SHINYBOW™

SEEING IS BELIEVING

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE | HDBT BASE | 4K|2K CAPABLE | PoH Power Over HDBASET

THE BEST MULTIMEDIA TOTAL SOLUTION

MULTIVIDEO SWITCHER

www.shinybow.com.tw www.shinybowusa.com www.shinybowusa.eu

SHINYBOW™

SEEING IS BELIEVING

2015
Complete Catalog

Vol:1050601

About US

About Shinybow

SHINYBOW Co., Ltd. was established in 1990. Shinybow specializes in Audio and Visual professional equipment for example , converters, scalers, extenders, distribution amplifiers and matrix routing switchers. Product line covers all equipment that A/V professionals use from analog signals to Digital video. Categories include scalers, converters, CATx extenders, and matrix routing switchers. In recent years, Shinybow is dedicated to developing HDMI and HDBaseT technologies to include HDBaseT series products.

With over twenty-five years' experience, Shinybow always provides products with the best quality and great service. We appreciate the reputation of comprehensive quality control and production efficiency. Because our factory in Taiwan is privately held, we are able to provide better product quality and precise delivery time with excellent service. Additionally, our R&D team is able to design customized products according to customers' needs. As a result, our distribution and customer base is located all over the world.

In the future, Shinybow will continue working in the professional Audio and Video industry. We aim to provide products not only with innovated functionality but also with the best quality for customers.

History

Established in 1990

- Shinybow Technology Co., Ltd was founded in 1990, New Taipei City, Taiwan
- Produce PC interface card for domestic market.

1991 ~ 1992

- Developed and produced PC AT BUS and I/O Interface Cards.
- Expanding oversea market.

1993 ~ 2003

- Produced Video/ Audio Switcher converter with its brand name "Shinybow."

2004 ~ 2008

- Developed and produced Multi-Port HDMI matrix switcher and distribution amplifier of Audio, Video, S-Video, Component, VGA and DVI.

2009

- Developing mainly on HDMI products.
- Start OEM Service for overseas customers.

2010

- Full product category passed ERP approvals .Prepare for ISO 9001 Application.
- Domestic market increased significantly. Shinybow products apply in government and commercial project.
- Shinybow becomes a well-know brand in domestic market.
- Revenue has reached USD$7M.

2011

- Start its ODM business .
- Expanding its production line .Capacity has reached 60,000 PCS annually.

2013

- Developed and produced professional matrix switcher (HDMI, HDBaesT, multi video, multi ports...)
- Expanding its production line .Capacity has reached 70,000 PCS annually.

2014

- Developed and produced modular matrix switcher and professional multi video matrix switcher.

2015

- Developed and produced PiP PoP Scaler Switcher and professional multi video matrix switcher.
- HDMI-OVER-CHANNEL IP Extender.

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New Product

Coming Soon

SB-2471
7x1 Multi Video To HDMI Switcher

SB-3695
8x2 HDMI-IP Seamless Routing Switch with Video Scaler

SB-3888
9x2 Multi-Video Matrix Switcher with Scaler

SB-3889
9x2 Multi-Video Matrix Switcher with Scaler

SB-5042
4x2 HDMI Seamless Matrix Switch with Video Scaler

SB-5044
4x4 HDMI Seamless Matrix Switch with Video Scaler

SB-5046
4x6 HDMI Seamless Matrix Switch with Video Scaler

SB-5049
4x9 HDMI Seamless Matrix Switch with Video Scaler

SB-5062
6x2 HDMI Seamless Matrix Switch with Video Scaler

SB-5064
6x4 HDMI Seamless Matrix Switch with Video Scaler

SB-5066
6x6 HDMI Seamless Matrix Switch with Video Scaler

SB-5069
6x9 HDMI Seamless Matrix Switch with Video Scaler

SB-5092
9x2 HDMI Seamless Matrix Switch with Video Scaler

SB-5094
9x4 HDMI Seamless Matrix Switch with Video Scaler

SB-5096
9x6 HDMI Seamless Matrix Switch with Video Scaler

SB-5099
9x9 HDMI Seamless Matrix Switch with Video Scaler

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Coming Soon

New Product

SB-5830
20x20 Modular Matrix Switcher
(4 port modular card)

SB-5860
16x16 Modular Matrix Switcher
(2 port modular card)

SB-5870
12x12 Modular Matrix Switcher
(2 port modular card)

SB-5880
6x6 Modular Matrix Switcher
(2 port modular card)

SB-6356T
HDMI HDBaseT Transmitter

SB-6356R
HDMI HDBaseT Receiver

SB-6361T
HDMI HDBaseT Transmitter

SB-6361R
HDMI HDBaseT Receiver

SB-6362T
HDMI HDBaseT Transmitter

SB-6362R
HDMI HDBaseT Receiver

SB-6500T
HDMI Fiber Optic Transmitter

SB-6500R
HDMI Fiber Optic Receiver

SB-6530T
HDMI To Fiber Optic Transmitter

SB-6530R
HDMI To Fiber Optic Receiver

SB-6600T
HDMI To SDI Transmitter

SB-6600R
SDI To HDMI Receiver

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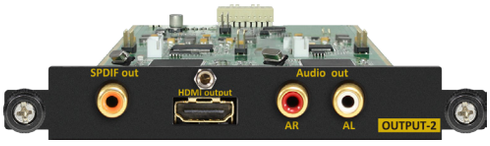
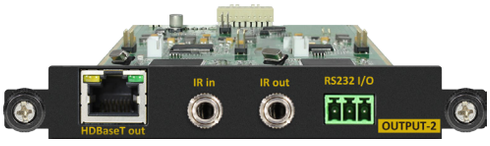
Modular Type



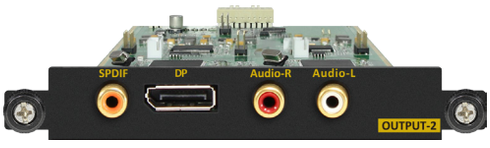
T-HDMI-A
Output : 1x HDMI, 1x S/PDIF, 1x Stereo Audio

T-HDMI-VGA-A
Output : 1x HDMI, 1x VGA/Audio, 1x Composite Video

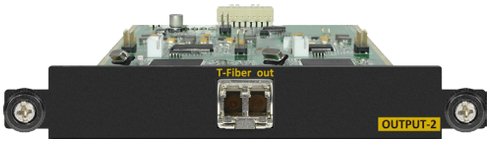


T-HDBT
Output : 1x HDBaseT
Control : IR (in/out), RS-232 (Tx)

T-IP-HDMI
Output : 1x IP Extender, Tx(100M), 1x HDMI Loopout
Control : IR (out), RS-232 (Tx)



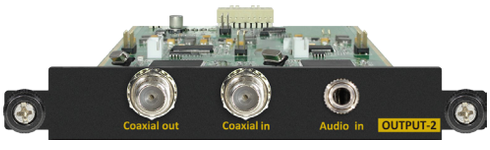
T-DP-A
Output : 1x Display Port, 1x S/PDIF, 1x Stereo Audio



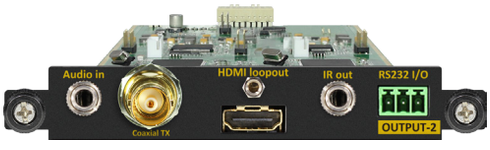
T-FIBER
Output : 1x Fiber

T-SDI-A
Input : 1x Audio
Output : 1x SDI

T-COAX-BNC
Output : 1x Coax (BNC)



T-COAX-F-A
Input : 1x Audio, 1x Coax (F)
Output : 1x Coax (F)



T-COAX-BNC-HDMI-A
Output : 1x Coax (BNC), 1x Audio, 1x HDMI Loopout
Control : IR (out), RS-232 (Tx)

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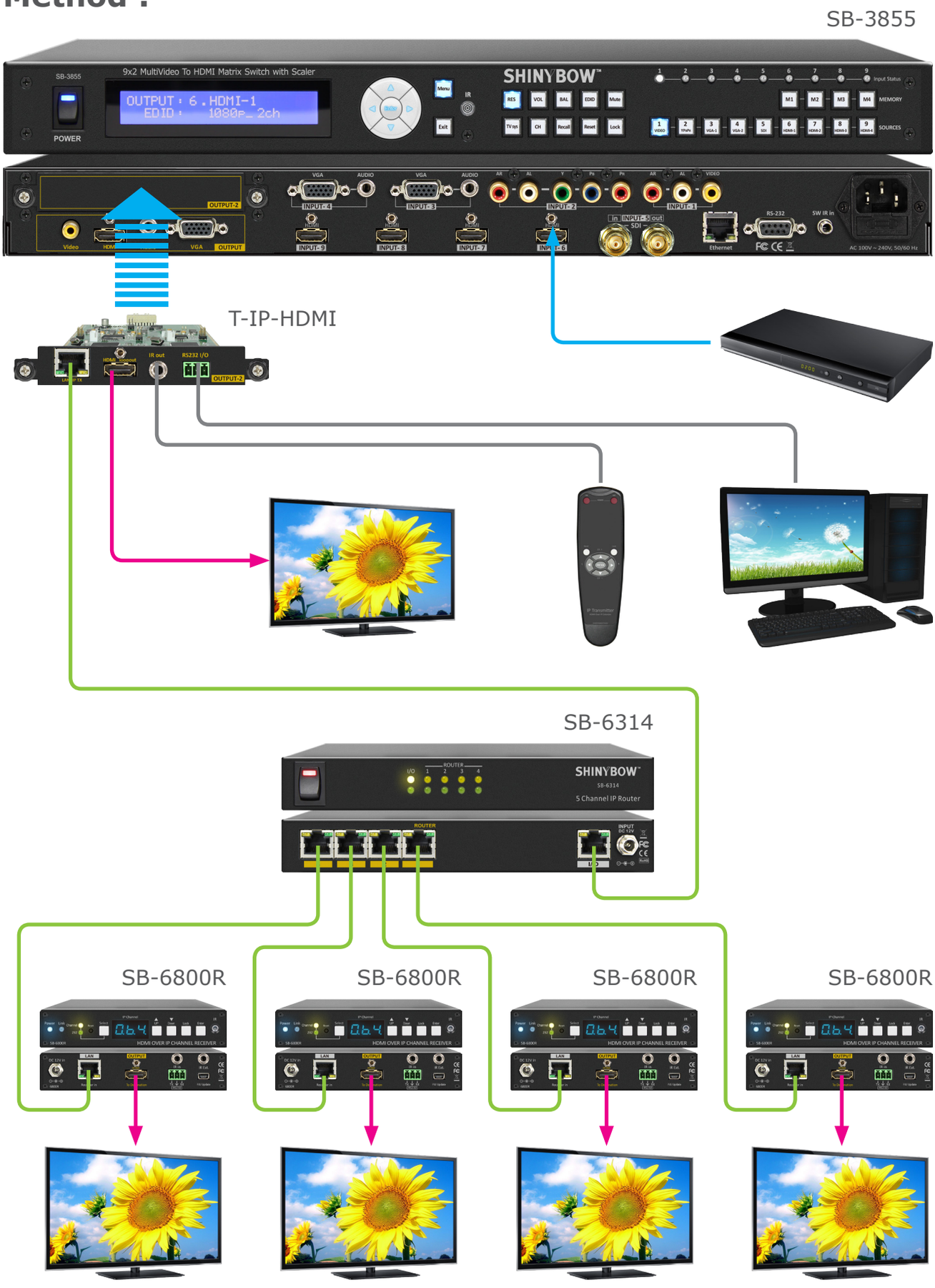
Method :



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SB-3691

2x1 HDMI PiP PoP Box

Input : 2x HDMI
Output : 1x HDMI, 1x S/PDIF, 1x Audio

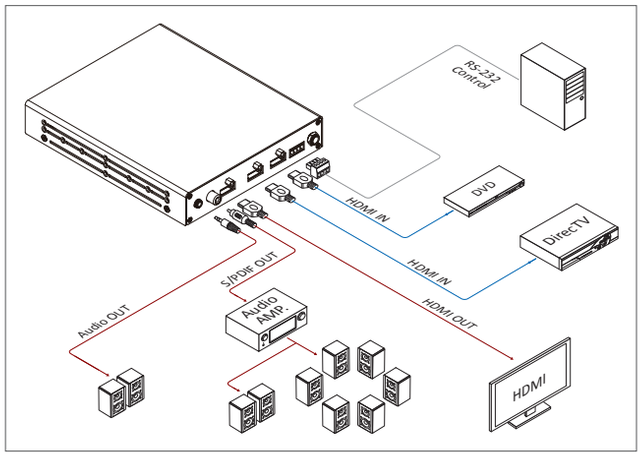
PRO HDMI SCALER

Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-3691 is the professional 2x1 HDMI™ PiP PoP Scaler Switcher. Supporting two(2) HDMI™ inputs and one(1) HDMI™ output with Picture in Picture(PiP) and Picture of Picture(PoP) that can be easily configured and controlled. Support video resolution up to 1080p with a signal bandwidth of 165MHz, data rate up to 4.95Gbps, there is no signal degradation. The switcher is being fully HDMI™ 1.3 and HDCP 1.2 compliant, with CE and FCC certification. Zoom management can be selected between 5 modes. Input resolutions can be scaling up to 1080p and scaling down to 480p. Support menu for controlling brightness, contrast and saturation. Control is provided via Front panel push buttons or IR remote and RS-232. The windows-based control software package is included to provide complete control of the SB-3691 from a PC.

DIAGRAM TYPICAL



FEATURES

01. 2x HDMI input and 1xHDMI output Scaler Box
02. Support Picture in Picture(PiP) and Picture of Picture(PoP)
03. Link speeds up to 4.95Gbps(link clock rate of 165MHz)
04. Support HDMI 1.3 and HDCP 1.2 compliant
05. Zoom management can be selected between 5 modes
06. Ditial Video TMDS formats Resolution up to 1080p with Deep color 36bit
07. Support menu for controlling brightness, contrast and saturation
08. Scaler supports :
    - Scaling down to 480p
    - Scaling up to 1080p
09. Audio output support PCM 2ch
10. HDMI Cable Distance 1080p-60Hz up to 98feet(30M)
11. Various User Interface Control : Front Panel push button, IR and RS-232
12. Support Universal power adaptor, Power input AC100V~AC240V, 50/60Hz

SPECIFICATIONS

Type of Switcher	2xHDMI input and 1xHDMI output Scaler Box
HDMI Support	HDMI 1080P@60Hz, H36-bit Deep color
HDCP / HDMI Support	HDCP 1.2 Compliant, HDMI 1.3 version
Video Bandwidth	Double Data Rates : 165Mhz, Total 4.95Gbps bandwidth
Digital Video Support	HD : 480i / 480p / 720p and up to 1080i/p
Input	2x HDMI (HDMI or DVI digital source)
Output	1x HDMI (To Destination)
Switch Control	1x Select & Function buttons on front panel 1x IR Remote Controller (switch control) 1x RS-232
Scaling mode	Scaler down to 480p, Scaler up to 1080p
HDMI Signal Booster	Distance 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via RS-232
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100 °F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.70" x 6.69" x 1.14" (145mm x 170mm x 29mm)
Weight	0.5 kg / 1.1 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3693

8:2 HDMI-VGA Quad-PiP-PoP Selector Switch Scaler

Input : 4x HDMI, 4x VGA / Audio, 1x AUX, 1x MIC
Output 1 : 1x HDMI, 1x VGA / Audio, 1x Composite Video
Output 2 : Modular Type (Page 01-01)

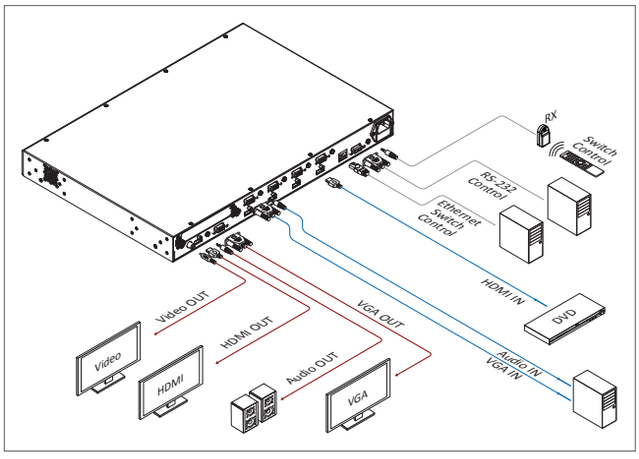
VGA | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

The SB-3693 is the professional 8:2 HDMI™/VGA Quad-PiP-PoP Selector Switch Scaler. Supporting four(4) HDMI™, (4)VGA/Audio inputs and one (1) HDMI™, (1)VGA, (1)Composite Video and (1)Audio output with Switch, Quad, Picture in Picture(PiP) and Picture of Picture(PoP) features that can be easily configured and controlled. Support video resolution up to 1080p with a signal bandwidth of 165MHz(1920x1200) and data rate up to 4.95Gbps with no signal degradation. The SB-3693 is HDMI™ 1.3 and HDCP 1.2 compliant, with CE and FCC certifications. Zoom management can be selected between 5 levels. Input resolutions can be scaled up to 1080p or down to 480p. EQ Audio output for Audio Equalizer Treble, Surround, Flat, Classic, Rock, Pops, Jazz, 3D and Bass. Support control function key as Resolution, EDID, Recall, Memory, Volume, Balance, Mute(HDMI audio), A/V(Audio Breakaway) and Modular second output. Six modular boards as the HDMI Scaler, HDBaseT(HDMI over HDBaseT), Coax. (BNC), IP channel(HDMI over ethernet IP channel), SDI, Fiber and HDMI-VGA. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. (4)x HDM and (4)x VGA inputs and (1)x HDMI / VGA / VIDEO / Audio with Modular output Selector switch Scaler
02. Support Switch, 4xQuad, PiP (Picture in Picture) and PoP (Picture of Picture)
03. Link speeds up to 4.95Gbps (link clock rate of 165MHz), HDMI 1.3 and HDCP 1.2 compliant
04. Digital Video TMDS formats Resolution up to 1080p with Deep color 36bit
05. Input supports : (4)x HDMI, (4)xVGA, Audio (480i/p to 1080p)
06. Output supports : (1)x HDMI 1080P-60Hz
    (1)x VGA
    (1)x Composite Video (NTSC/ PAL/ PAL-M/ PAL-Nc)
    (1)x Stereo audio (AR/AL). Audio output support PCM 2ch
07. External second Output : (1)x Modular type
08. Zoom management can be selected between 5 levels
09. Audio Breakaway function to select Video source and another port Audio source
10. Support Audio Volume and Balance(0~100 levels) control unction.
11. Support memory location up to (8) address H1,H2,H3,H4,V1,V2,V3,V4
12. Mute function to mute HDMI Audio output
13. Audio Equalizer 1. By Pass, 2. Treble, 3. Surround, 4. Flat, 5. Classic, 6. Rock, 7. Pops, 8. Jazz, 9. With 3D, 10. With Bass
14. (16) Control Buttons : SW1 / SW2 / PiP / PoP / AV / Menu / Enter / Resolution / Lock / Reset / Mute / Zoom / Up / Down / Right / Left
15. Support Audio Breakaway function to output different audio source
16. Scaling supports : - Scaling down to 480p
    - Scaling up to 1080p
17. HDMI Cable Distance 1080p-60Hz up to 98feet(30M)
18. Provide IR remote control Frequency (38KHz)
19. Various User Interface Control :
    - Windows based GUI via RS232 interface control driver for 2000/XP/ WIN7-32/WIN7-64/WIN8
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS232 controller (via simple ASCII)
20. Power supply Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Switcher	4x HDMI, 4x VGA input and 1x HDMI, VGA and Audio output Selector Switch Scaler Box
Function Modes	Switch, 4x Quad, PiP & PoP
HDMI Support	HDMI 1080P@60Hz, H36-bit Deep color
HDCP / HDMI Support	HDCP 1.2 Compliant, HDMI 1.3 version
Video Bandwidth	Double Data Rates : 165Mhz, Total 4.95Gbps bandwidth
Scaling Video Support	HD : 480i / 480p / 720p and up to 1080i/p
Input	4x HDMI, 4xVGA (HDMI or DVI digital source)
Output	1x HDMI, VGA, Composie Video (NTSC/PAL)
External second output	1x Modular type
PiP Zoom Type	5x zoom Sizes
Audio Breakaway	Output support select different Video or Audio source function
Recall-Memory	Memory location 8 address : H1, H2, H3, H4, V1, V2, V3, V4 source select buttons
Mute Audio	To mute the HDMI audio output
Audio Equalizer	1. By Pass, 2. Treble, 3. Surround, 4. Flat, 5. Classic, 6. Rock, 7. Pops, 8. Jazz, 9. With 3D, 10. With Bass
Control	Front Panel push button, IR, RS-232, Ethernet
HDMI Signal Booster	Distance 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via RS-232
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-3880

HDMI Scaler Box

Input : 1x HDMI, 1x Audio
Output : 1x HDMI, 1x S/PDIF, 1x Audio

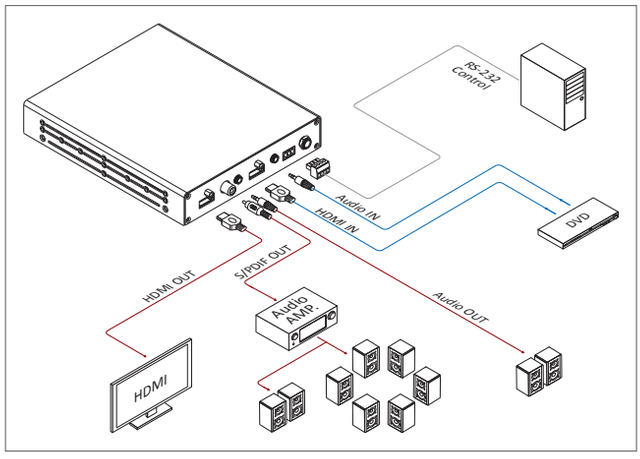
HDMI SCALER

Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-3880 is a high performance video graphics scaler supporting one (1) HDMI™, DVI-Audio and one(1)HDMI™, S/PDIF, Stereo audio output. ALL Output ports are active simultaneously. This scaler supports HDMI™ 1.3 formats and HDCP 1.2 Compliant. Support video resolution up to 1080p with a signal bandwidth of 165MHz, data rate up to 4.95Gbps. The SB-3880 Auto-detects the Input video and stereo audio input can be embedded to HDMI™ when the input is DVI signal. The scaler supports full HDTV resolution 480i/p, 576i/P, 720p or 1080i/p-60Hz formats, higher DVI resolution up to 1920x1200 . Built in video will control function to over lap and assign location. Support menu for controlling brightness, contrast and saturation. Control is provided via front panel buttons with LED display, RS232 or wireless IR remote control.

DIAGRAM TYPICAL



FEATURES

01. HDMI, Audio to HDMI, S/PDIF and Stereo Audio Scaler
02. Input : 1x HDMI, 1xStereo Audio
03. Output : 1x HDMI, 1xS/PDIF, 1xStereo Audio
04. Support HDMI 1.3, HDCP 1.2 Compliant
05. Supports full HDTV resolution 480i/p, 576i/P, 720p or 1080i/p-60Hz formats, DVI resolution up to 1920x1200
06. Stereo audio input can be embedded to HDMI when the input is DVI signal
07. Built in video will control function to over lap and assign location
08. Support menu for controlling brightness, contrast and saturation
09. Provide IR remote control (38KHz)
10. Various User Interface control :
    - Front Panel push button
    - IR wireless remote control
    - RS-232 interface control driver for 95/98/2000/xp/7/8
11. Power supply DC12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Scaler	HDMI, Audio to HDMI, S/PDIF and Stereo Audio Scaler
Video Input Signal	1x HDMI
Audio Input	1x Stereo Audio
Video Output Signal	1x HDMI
Audio Output	1x S/PDIF, 1x Stereo
HDMI/HDCP Support	HDMI 1.3 Receiver & Trasnmitter, compliant with HDCP 1.2
Video Bandwith	Double Data Rates : 165Mhz, Total 4.95Gbps bandwidth
Input Resolution	Up to 1080i/p-60Hz and 1920x1200
Output Resolution	Up to 1080i/p-60Hz and 1920x1200
HDMI Cable Distance	Max 15 meters (~49 feet), depending on cable quality
Infrared Frequency	38KHz
Chassis Material	Metal
Switch Control	1x Select & Function buttons on front panel 1x IR Remote Controller (switch control) 1x RS-232
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.70" x 6.69" x 1.14" (145mm x 170mm x 29mm)
Weight	0.5 kg / 1.1 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3688

Video To HDMI Switch with Scaler

Input : 1x Composite Video / Audio, 1x S-Video / Audio
Output : 1x VGA / Audio, 1x HDMI / S/PDIF, 1x Composite Video / Audio

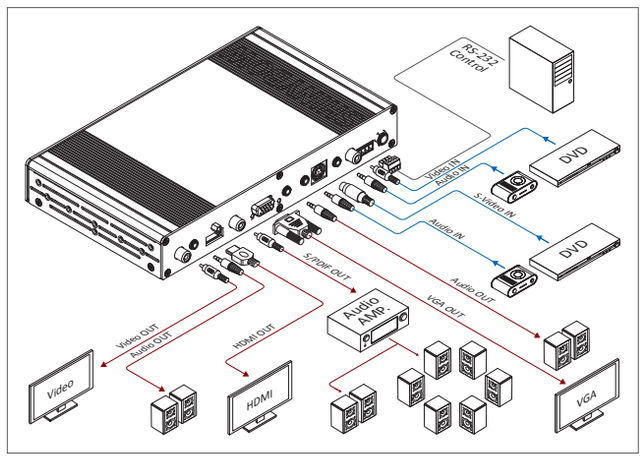
PRO VGA HDMI SCALER S-VIDEO VIDEO

Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-3688 is a high performance video graphics scaler supporting two (2) different video Input signal types including 1xComposite Video with Audio, 1x S-Video with Audio and one(1) output including 1x HDMI™ with S/PDIF Audio, 1x VGA with Audio and 1xComposite Video with Audio. ALL Output ports are active simultaneously. This scaler supports HDMI™ 1.3 formats and HDCP 1.2 Compliant. The SB-3690A Auto-detects the Input video standard in the form of NTSC,PAL and SECAM systems and converts to High Definition RGB digital HD signal. The scaler supports full HDTV resolution 480i/p, 576i/P, 720p or 1080i/p-60Hz formats, higher DVI resolution up to 1920x1200 . Zoom management can be selected between 5 modes. Input resolutions can be scaling up to 1080p and scaling down to 480p. Support menu for controlling brightness, contrast and saturation. Control is provided via front panel buttons with LED display, RS-232 or wireless IR remote control.

DIAGRAM TYPICAL



FEATURES

01. Composite Video / S-Video To HDMI, VGA and Composite Video Scaler
02. Input : 1x Composite Video with Audio, 1x S-Video with Audio
03. Output : 1x HDMI with S/PDIF, 1xVGA with Audio, 1x Composite Video with Audio
04. HDMI Video Scaler Support HDMI 1.3, HDCP 1.2 Compliant
05. Support VGA output resolution VGA 640x480, SVGA 800x600, XGA 1024x768, WUXGA 1920x1200
06. Support Multi-TV Video Standard System Inputs and Output : NTSC3.58, NTSC-J, PAL, PAL-N, PAL-N Com-n, PAL-M, PAL60
07. Support menu for controlling brightness, contrast and saturation
08. Zoom management can be selected between 5 modes
09. Provide IR remote control (38KHz)
10. Various User Interface control :
    - Front Panel push button
    - IR wireless remote control
    - RS 232 interface control driver for 95/98/2000/xp
11. Power supply DC12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Converter	Composite Video / S-Video To HDMI, VGA and Composite Video Scaler
Video Input Signal	1x Composite Video, 1x S-Video
Audio Input	1x Stereo Audio (Composite), 1x Stereo Audio (S-Video)
Video Output Signal	1x Composite Video, 1x VGA and 1x HDMI
Audio Output	2x Stereo Audio (PCM-2ch), 1x S/PDIF
HDMI/HDCP Support	HDMI 1.3 Receiver & Trasnmitter, compliant with HDCP 1.2
Video Color Subcarrier Frequency	NTSC-3.58 / NTSC-J 4.43 / PAL-4.433619 / PAL-M 3.575611 / PAL-N 3.582056 Mhz / PAL-60, 0.5 V-pp~2V-pp,75 Ohms
VGA Resolutions	VGA (640x480), SVGA (800x600), XGA (1024x768), Maximum WUXGA (1920x1200)
PAL/NTSC line Conversion	Composite Video 525 / 625Lines
PAL/NTSC Field Conversion	Composite 50 / 60 Hz Fields
Output Scaler	HDMI up to 1080p-60 and PC up to WXGA 1920x1200
Source Status	Automatic scanning of input/output status
HDMI Cable Distance	Max. 15 meters (~49 feet), depending on cable quality
Infrared Frequency	38KHz
Chassis Material	Metal
Control	Front Panel, IR, RS-232
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	8.66" x 5.03" x 1.29" (220mm x 128mm x 33mm)
Weight	1 kg / 2.2 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3685

Video To Video-VGA-HDMI Converter

Input : 1x Composite Video, 1x S-Video
Output : 1x VGA, 1x HDMI, 1x Composite Video

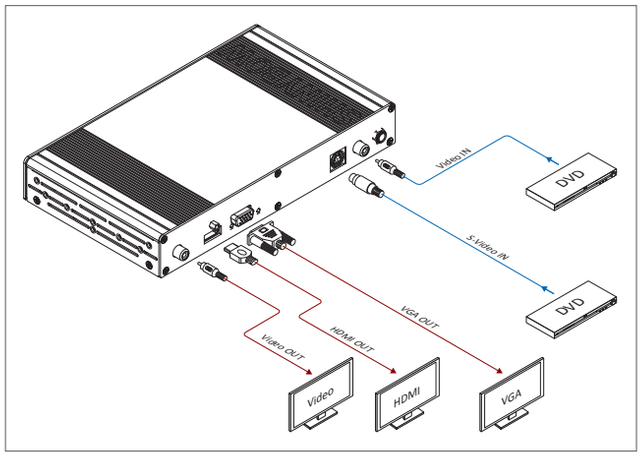
PRO | VGA | HDMI | SCALER | S-VIDEO | VIDEO

Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-3685 is a high performance video graphics scaler supporting two (2) different video Input signal types including 1xComposite Video, 1xS-Video and one(1) output including 1x HDMI™, VGA and 1xComposite Video. ALL Output ports are active simultaneously. This scaler supports HDMI™ 1.3 formats and HDCP 1.2 Compliant. The SB-3685 Auto-detects the Input video standard in the form of NTSC,PAL and SECAM systems and converts to High Definition RGB digital HD signal. The scaler supports full HDTV resolution 480i/p, 576i/P, 720p or 1080i/p-60Hz formats, higher DVI resolution up to 1920x1200. Zoom management can be selected between 5 modes. Input resolutions can be scaling up to 1080p and scaling down to 480p. Support menu for controlling brightness, contrast and saturation. Control is provided via front panel buttons with LED display and wireless IR remote control.

DIAGRAM TYPICAL



FEATURES

01. Composite Video / S-Video To HDMI, VGA and Composite Video Scaler
02. Input : 1x Composite Video, 1x S-Video
03. Output : 1x HDMI, 1xVGA, 1x Composite Video
04. HDMI Video Scaler Support HDMI 1.3, HDCP 1.2 Compliant
05. Support VGA output resolution VGA 640x480, SVGA 800x600, XGA 1024x768, WUXGA 1920x1200
06. Support Multi-TV Video Standard System Inputs and Output : NTSC3.58, NTSC-J, PAL, PAL-N, PAL-N Com-n, PAL-M, PAL60
07. Support menu for controlling brightness, contrast and saturation
08. Zoom management can be selected between 5 modes
09. Provide IR remote control (38KHz)
10. Various User Interface control :
    - Front Panel push button
    - IR wireless remote control
11. Power supply DC12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Converter	Composite Video / S-Video To HDMI, VGA and Composite Video Scaler
Video Input Signal	1x Composite Video, 1x S-Video
Video Output Signal	1x Composite Video, 1x VGA and 1x HDMI
HDMI/HDCP Support	HDMI 1.3 Receiver & Trasnmitter, compliant with HDCP 1.2
Video Color Subcarrier Frequency	NTSC-3.58 / NTSC-J 4.43 / PAL-4.433619 / PAL-M 3.575611 / PAL-N 3.582056 Mhz / PAL-60, 0.5 V-pp~2V-pp,75 Ohms
VGA Resolutions	VGA(640x480), SVGA(800x600), XGA(1024x768), Maximum WUXGA(1920x1200)
PAL/NTSC line Conversion	Composite Video 525 / 625Lines
PAL/NTSC Field Conversion	Composite 50 / 60 Hz Fields
Output Scaler	HDMI up to 1080p-60 and PC up to WXGA 1920x1200
Source Status	Automatic scanning of input/output status
HDMI Cable Distance	Max. 15 meters (~49 feet), depending on cable quality
Infrared Frequency	38KHz
Chassis Material	Metal
Control	Front Panel, IR, RS-232
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	8.66" x 5.03" x 1.29" (220mm x 128mm x 33mm)
Weight	1 kg / 2.2 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3686A

Video To Video-VGA-HDMI Converter

Input : 1x Composite Video, 1x Component Video, 1x VGA, 1x HDMI
Output : 1x Composite Video, 1x VGA, 1x HDMI

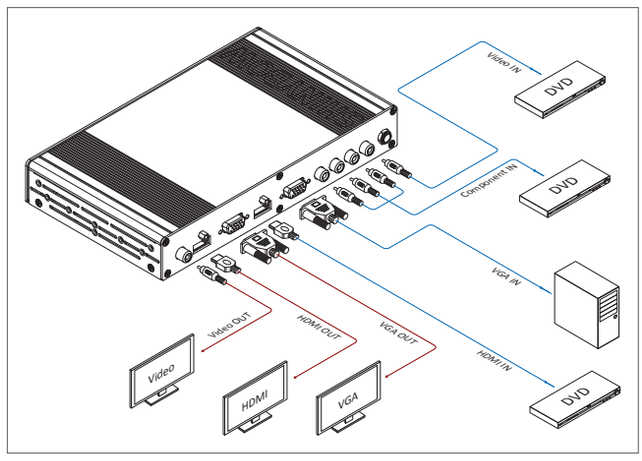
PRO | VGA | HDMI | SCALER | COMPONENT | VIDEO

Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-3686A is a high performance video graphics scaler supporting four (4) different video Input signal types including 1xComposite Video, 1x Component Video, 1x VGA and 1x HDMI™. The available Output ports 1x HDMI™, 1x Composite Video and 1x VGA. ALL Output ports are active simultaneously. This scaler supports HDMI™ 1.3 formats and is HDCP 1.2 Compliant.
The SB-3686A Auto-detects the Input video standard in the form of NTSC,PAL and SECAM systems and converts to High Definition RGB digital HD signal. The scaler supports full HDTV resolution 480i/p, 576i/P, 720p or 1080i/p-60Hz formats, higher DVI resolution up to 1920x1200. Zoom management can be selected between 5 modes. Input resolutions can be scaling up to 1080p and scaling down to 480p. Support menu for controlling brightness, contrast and saturation. Control is provided via front panel buttons with LED display, RS-232 or wireless IR remote control (included).

DIAGRAM TYPICAL



FEATURES

01. Multi-Video Input from Video / Comp. / VGA / HDMI To Video / VGA / HDMI Digital Scaler
02. Input : 1x Composite Video, 1x Component Video (YPbPr), 1x VGA and 1x HDMI
03. Output : 1x Composite Video, 1x VGA(XGA to WUXGA) and 1x HDMI
04. HDMI Video Scaler Support HDMI 1.3, HDMI V1.3 Transmitter & Receiver, HDMI 1.3, DVI 1.0, HDCP 1.2 Compliant
05. Support High VGA resolution Inputs and Output :
    VGA 640x480, SVGA 800x600, XGA 1024x768, WUXGA 1920x1200 (Maximum)
06. Support Multi-TV Video Standard System Inputs and Output :
    NTSC3.58, NTSC-J, PAL, PAL-N, PAL-N Com-n, PAL-M, PAL60
07. Input resolution Maximum 1080i 1920x1080 (only in Component Video)
08. Support menu for controlling brightness, contrast and saturation
09. Zoom management can be selected between 5 modes
10. Provide IR remote control (38KHz)
11. Various User Interface control :
    - Front Panel push button
    - IR wireless remote control
12. Power supply DC12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Converter	4 in 3 out HDMI MultiVideo Scaler Converter
Video Input Signal	1x Composite Video, 1x Component (YPbPr), 1x VGA (RGBHV) and 1x HDMI
Video Output Signal	1x Composite Video, 1x VGA and 1x HDMI
HDMI/HDCP Support	HDMI 1.3 Receiver & Trasnmitter, compliant with HDCP 1.2
Video Color Subcarrier Frequency	NTSC-3.58 / NTSC-J 4.43 / PAL-4.433619 / PAL-M 3.575611 / PAL-N 3.582056 Mhz / PAL-60, 0.5 V-pp~2V-pp,75 Ohms
VGA Resolutions	VGA (640x480), SVGA (800x600), XGA (1024x768), Maximum WUXGA (1920x1200)
PAL/NTSC line Conversion	Composite Video 525 / 625Lines
PAL/NTSC Field Conversion	Composite 50 / 60 Hz Fields
Input Resolution	Component Video input Maximum 1080i-60 1920x1080
Output Scaler	HDMI up to 1080p-60 and PC up to WXGA 1920x1200
Source Status	Automatic scanning of input/output status
HDMI Cable Distance	Max 15 meters (~49 feet), depending on cable quality
Infrared Frequency	38KHz
Chassis Material	Metal
Control	IR remote control, front panel push buttons
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	8.66" x 5.03" x 1.29" (220mm x 128mm x 33mm)
Weight	1 kg / 2.2 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3690A

Multi-Video System Converter

Input : 1x Composite Video / Stereo Audio (AR/AL),
1x Component Video / Stereo Audio (AR/AL), 1x VGA / Audio, 1x HDMI
Output : 1x VGA / Audio, 1x HDMI, 1x S/PDIF, 1x Composite Video

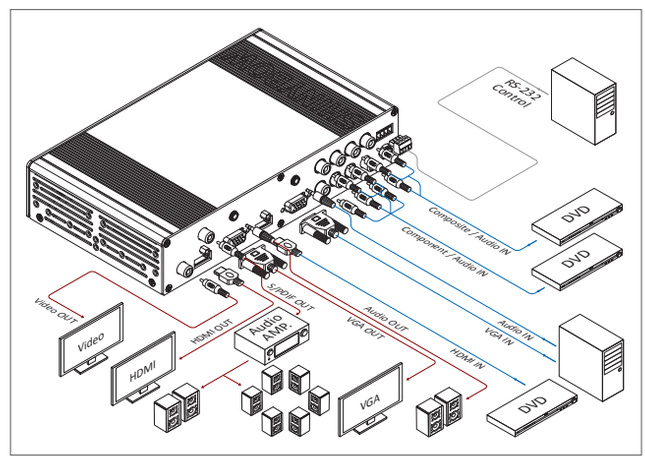
SCALER VIDEO PRO VGA HDMI COMPONENT COMPOSITE

Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-3690A is a high performance video graphics scaler supporting four (4) different video Input signal types including 1xComposite Video with Audio, 1x Component Video with Audio, 1x VGA with Audio and 1x HDMI™. The available Output ports 1x HDMI™, 1x Composite Video and 1x VGA. ALL Output ports are active simultaneously. This scaler supports HDMI™ 1.3 formats and is HDCP 1.2 Compliant. The SB-3690A Auto-detects the Input video standard in the form of NTSC,PAL and SECAM systems and converts to High Definition RGB digital HD signal. The scaler supports full HDTV resolution 480i/p, 576i/P, 720p or 1080i/p-60Hz formats, higher DVI resolution up to 1920x1200. Zoom management can be selected between 5 modes. Input resolutions can be scaling up to 1080p and scaling down to 480p. Support menu for controlling brightness, contrast and saturation. Control is provided via front panel buttons with LED display, RS-232 or wireless IR remote control (included).

DIAGRAM TYPICAL



FEATURES

01. Multi-Video Input from Video / Comp. / VGA / HDMI To Video / VGA / HDMI Digital Scaler
02. Input : 1x Composite Video, 1x Component Video (YPbPr), 1x VGA and 1x HDMI
03. Output : 1x Composite Video, 1x VGA(XGA to WUXGA) and 1x HDMI
04. HDMI Video Scaler Support HDMI 1.3, HDCP 1.2 Compliant
05. Support High VGA resolution Inputs and Output :
    VGA 640x480, SVGA 800x600, XGA 1024x768, WUXGA 1920x1200 (Maximum)
06. Support Multi-TV Video Standard System Inputs and Output :
    NTSC3.58, NTSC-J, PAL, PAL-N, PAL-N Com-n, PAL-M, PAL60
07. Input resolution Maximum 1080i 1920x1080 (only in Component Video)
08. Support menu for controlling brightness, contrast and saturation
09. Zoom management can be selected between 5 modes
10. Provide IR remote control (38KHz)
11. Various User Interface control :
    - Front Panel push button
    - IR wireless remote control
    - RS 232 interface control driver for 95/98/2000/xp
12. Power supply DC12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Converter	4 in 3 out HDMI MultiVideo Scaler Converter
Video Input Signal	1x Composite Video, 1x Component (YPbPr), 1x VGA (RGBHV) and 1x HDMI
Audio Input	1x Stereo Audio (Video), 1x Stereo Audio (Comp.) and 1x Stereo Audio (VGA)
Video Output Signal	1x Composite Video, 1x VGA and 1x HDMI
Audio Output	1x Stereo Audio (PCM-2ch), 1x S/PDIF
HDMI/HDCP Support	HDMI 1.3 Receiver & Trasnmitter, compliant with HDCP 1.2
Video Color Subcarrier Frequency	NTSC-3.58 / NTSC-J 4.43 / PAL-4.433619 / PAL-M 3.575611 / PAL-N 3.582056 Mhz / PAL-60, 0.5 V-pp~2V-pp,75 Ohms
VGA Resolutions	VGA (640x480), SVGA (800x600), XGA (1024x768), Maximum WUXGA (1920x1200)
PAL/NTSC line Conversion	Composite Video 525 / 625Lines
PAL/NTSC Field Conversion	Composite 50 / 60 Hz Fields
Input Resolution	Component Video input Maximum 1080i-60 1920x1080
Output Scaler	HDMI up to 1080p-60 and PC up to WXGA 1920x1200
Source Status	Automatic scanning of input/output status
HDMI Cable Distance	Max. 15 meters (~49 feet), depending on cable quality
Infrared Frequency	38KHz
Chassis Material	Metal
Control	Front Panel, IR and RS-232
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	8.66" x 5.03" x 1.73" (220mm x 128mm x 44mm)
Weight	1.2 kg / 2.64 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3879

HDMI Video Scaler

Input : 1x Component Video / Stereo Audio (AR/AL), 1x Composite Video / Stereo Audio (AR/AL), 1x S-Video / Stereo Audio (AR/AL), 1x VGA / Audio, 1x DVI / Audio, 1x HDMI, 1x Display Port

Output : 1x HDMI, 1x VGA, 1x S/PDIF, 1x Stereo Audio (AR/AL)

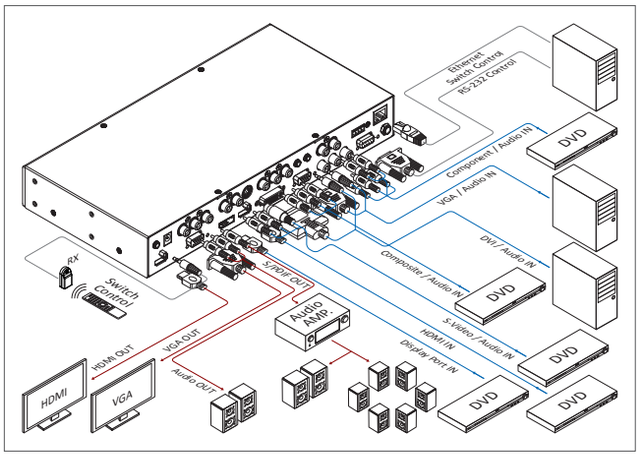
VIDEO | PRO | VGA | HDMI | COMPONENT | COMPOSITE | SCALER | DVI | S-VIDEO

Ear Rack : 1U-300L

INTRODUCTION

The SB-3879 is a professional high performance video graphics scaler supporting seven (7) different inputs and output signal, HDMI™, VGA and S/PDIF & Stereo Audio. The Inputs are comprised of 1x Composite Video & Audio, 1x S-Video & Audio, 1x Component Video & Audio, 1x VGA & Audio, 1x DVI & Audio, 1x DisplayPort and 1x HDMI™. The available output ports are 1x HDMI™, 1xVGA, 1x S/PDIF and 1x Stereo Audio. This scaler supports S-Video with 3D comb filter, HDMI™ 3D 1.4a formats, HDCP 1.3 Compliant. It is able to auto detects the video standard format of input signal from NTSC / PAL / SECAM system, and convert to high definition RGB digital HD signal. The scaler supports full HDTV resolution data rates enabling 480i/p, 576i/P, 720p or 1080i/p formats, higher DVI resolution (1920x1200), HDMI™ 1080p-60, DP (2550x1600) which is ideally for high definition 3D TV, HDTV, Plasma display or monitor applications. Control is provided via front panel buttons, RS-232, Ethernet, or IR remote control (included). A RS-232 interface is provided for interfacing with third party controller. The windows-based control software package is included to provide complete control of the SB-3879 from a PC.

DIAGRAM TYPICAL



FEATURES

01. HDMI Video Scaler Support HDMI 1.4a 3D formats, HDMI V1.4 Transmitter & Receiver, HDMI 1.4, DVI 1.0, HDCP 1.3 Compliant
02. Wide range scales HD resolutions any PC (XGA to WUXGA) and HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p from Any analog video, S-Video(Y/C), Component Video (YPbPr), PC VGA, DVI, HDMI or Display Port resolutions
03. Input port Composite Video, S-Video(Y/C), Component Video(YPbPr) 480i/p, 576i/p, 720p, 1080i/p, DVI (1920x1200), HDMI 1080p-60, Display Port (2560x1600)
04. Output Support PC VGA (XGA to WUXGA) and HDMI 1080P-60 with Deep color 36-bit, Digital Audio support S/PDIF and Stereo Audio outputs
05. Input resolution up to 1080p, 1920x1080, 1920x1200 and 2560x1600 (only in DP)
06. Bypass XGA & 720P 120Hz 3D signal for DLP link 3D ready projector for active 3D display. and audio receivers/amplifiers
07. Advanced 3D de-interlace, smooth edge algorithm and 3:2/2:2 film mode processing
08. Support 3D formats : Frame packing, side by side and top/bottom signal types
09. Support full HD @24Hz full HD 3D signal with special algorithm for RH/LH synchronization
10. Support intelligent color adjustment (Discrete RGB color adjustment, Hue, saturation, sharpness, contrast, brightness and (4) preset color modes)
11. OSD (on screen display) for menu color, resolution and input source selections
12. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet with built-in web browser
    - Third party RS-232 controller (via simple ASCII)
13. Support IR Remote and IR Extender with cable distance up to ~ 1000 feet (300M) Maximum
14. Desktop with optional 19 inch Rack mount (included)
15. Power supply DC12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Scaler Type	7 in 2 out HDMI Video Scaler
Video Input Signal	1x Composite / 1x S-Video / 1x Component / 1x VGA / 1x DVI / 1x HDMI / 1x DP
Audio Input Signal	Digital Audio (PCM), Stereo Audio
Video Output Signal	1x RGB, 1x HDMI
Audio Output Signal	1x S/PDIF Digital Audio, 1x Analog Audio RH/LH, 1x HDMI Audio
3D Support	3D Video Format in HDMI 1.4a (225MHz)
Input Resolution	Up to 1080p-60, 1920x1200, and DP 2560x1600
Output Resolution	Up to 1080p-60 and 1920x1200
Source Status	Automatic scanning of input/output status
HDCP Support	DVI / HDMI / Display Port, compliant with HDCP 1.3
HDMI Compliance	HDMI 1.4a receiver and transmitter
HDMI Cable Distance	Max 15 meters (~49 feet), depending on cable quality
Infrared Frequency	38KHz
Chassis Material	Metal
IR Extend Distance	300 meters (~1000 feet) line cable via IR extender
Control	IR remote control, RS-232, front panel push buttons
Temperature	32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3855

9x2 Multi-Video Routing Switcher with Scaler

SCALER | VIDEO | PRO | VGA | HDMI | SDI | COMPONENT | COMPOSITE

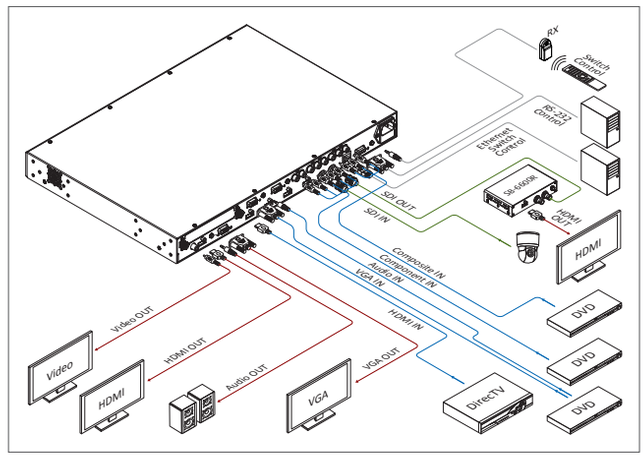
Input : 1x Composite Video / Stereo Audio (AR/AL),
1x Component Video / Stereo Audio (AR/AL),
2x VGA / Audio, 1x SDI (in/out), 4x HDMI
Output 1 : 1x HDMI, 1x VGA / Audio, 1x Composite Video
Output 2 : Modular Type (Page 01-01)

Ear Rack : 1U-440L

INTRODUCTION

The SB-3855 is a high professional video graphics scaler supporting Nine (9) different video Input signal types including 4xHDMI™, 2xVGA+Audio, 1xSDI, 1xComposite Video Audio,1xComponent Video Audio and outputs are VGA, HDMI™ and Video. The optional of the output modules support SDI, HDBaseT™, IP and COAX. This scaler supports HDMI™ 1.3 formats and is HDCP 1.2 Compliant. The SB-3855 Auto-detects the Input video standard in the form of NTSC,PAL and SECAM systems and converts to High Definition RGB digital HD signal. The scaler supports full HDTV resolution 480i/p, 576i/P, 720p and 1080i/p-60Hz formats, higher DVI resolution (1920x1200). HDMI™ 1080p is ideal for high definition HDTV, Plasma display or other monitor applications. The volume value can be controlled when the output is stereo audio. Provide four (4) memory locations to memorize the previous different settings. The Control is provided via front panel buttons with LED display, wireless IR remote control, RS-232 and Ethernet.

DIAGRAM TYPICAL



FEATURES

01. 9x2 Multi-video To HDMI Switcher with Scaler
02. Support HDCP, DVI format and CEC/HDCP 1.2 compliant
03. Link speeds up to 4.95 Gbps (link clock rate of 165MbHz)
04. Wide range of HD output resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
05. SDI supports:
    - 3G-SDI : 1080p at 50/59.94/60 Hz (4:2:2)
    - HD-SDI : 720p at 50/59.94/60 Hz
      1080i at 50/59.94/60 Hz
      1080p at 23.98/24/25/29.97/30 Hz
    - SD-SDI : NTSC at 59.94 Hz, PAL at 50 Hz
06. The volume value can be controlled when the output is stereo audio
07. Provide four(4) memory locations to memorize the previous different settings
08. Support IR remote and IR extender with cable distance up to 1000ft (300M)
09. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet with built-in web browser
    - Third party RS-232 controller (via simple ASCII)
10. HDMI Output with Booster function, Cable Distance is up to 98 feet (30M) when at 1080p-60Hz
11. Support Universal power input AC100V~AC240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Scaler	9x2 Multivideo To HDMI Switcher with Scaler
Video Input Signal	4x HDMI, 2x VGA+Audio, 1x SDI, 1x Composite Video Audio, 1x Component Video Audio
Video Output Signal	1xHDMI, 1xVGA, 1xComposite Video
Output Model Cards	HDMI+Audio, SDI+Audio, HDBaseT+Audio, IP+Audio, DTV COAX
Output Support	HD resolution up to 1080P, PC resolution up to WUXGA 1920x1200
HDCP / HDMI	HDMI 1.3, HDCP 1.2 complaint
Video Bandwidth	Double Data Rates : 165Mhz, Total 4.95Gbps
SDI Support	3G-SDI : 1080p at 50/59.94/60 Hz (4:2:2) HD-SDI : 720p at 50/59.94/60 Hz 1080i at 50/59.94/60 Hz 1080p at 23.98/24/25/29.97/30 Hz SD-SDI : NTSC at 59.94 Hz, PAL at 50 Hz
Control	Front Panel push button, IR, RS-232, Ethernet
Input Status	LEDs indicates presence of a live signal
HDMI Cable Length	1080p up to 98 feet (30M)
Infrared Frequency	38 Khz
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-6357

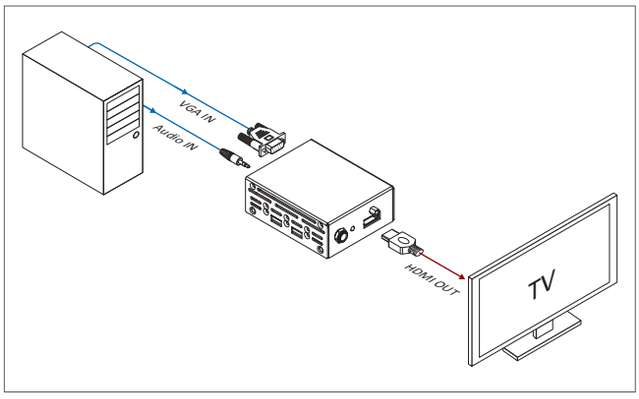
VGA To HDMI Converter

VGA CONVERTER

Input : 1x VGA, 1x Audio
Output : 1x HDMI

Ear Rack :
#WM-1INCH-130MM

DIAGRAM TYPICAL



FEATURES

01. Analog VGA To HDMI Digital Audio Video Converter
02. Inputs : 1x VGA+Stereo Audio
03. Outputs : 1x HDMI (Digital Video/Audio)
04. Automatically detect and pass through the signal from HDMI to VGA
05. Support Video input and output resolution up to 1920x1200
06. Easy installation and no need of setting
07. Wall mounted Ear Rack included
08. Support Universal power adaptor for AC 100V~240V, 50/60Hz

SPECIFICATIONS

Video/Audio Input Signals	VGA + Stereo Audio
Video/Audio outputs	HDMI (Digital Video+Digital Audio)
Stereo Audio	1x Audio (3.5mm jack)
Video Support	Up to WUXGA 1920x1200
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	2.55" x 3.14" x 1.14" (65mm x 80mm x 29mm)
Weight	0.25 kg / 0.55 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

SB-6358

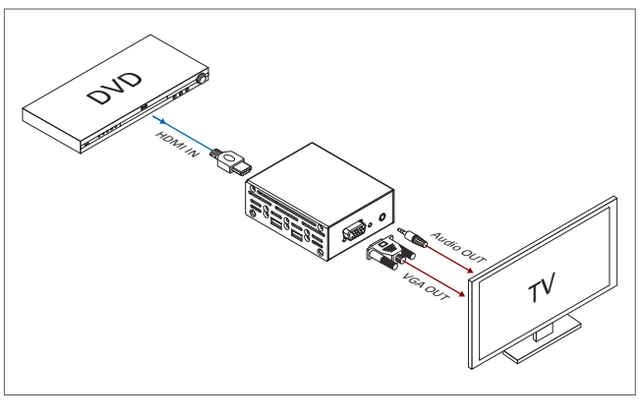
HDMI To VGA Converter

VGA CONVERTER

Input : 1x HDMI
Output : 1x VGA, 1x Audio

Ear Rack :
#WM-1INCH-130MM

DIAGRAM TYPICAL



FEATURES

01. Support HDMI Digital Audio Video to Analog VGA Converter
02. Inputs : 1x HDMI (Digital Video/Audio)
03. Outputs : 1x VGA+Stereo Audio
04. Automatically detect and pass through the signal from HDMI to VGA
05. Support Video input and output resolution up to 1920x1200
06. Support Stereo Audio(PCM 2ch) outputs
07. Easy installation and no need of setting
08. Wall mounted Ear Rack included
09. Support Universal power adaptor for AC 100V~240V, 50/60Hz

SPECIFICATIONS

Video/Audio Input Signals	HDMI (Digital Video+Digital Audio)
Video/Audio outputs	VGA+ Stereo Audio
Stereo Audio	1x Audio (3.5mm jack)
Video Support	Up to WUXGA 1920x1200
Audio Support	Stereo Audio(PCM 2ch)
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	2.55" x 3.14" x 1.14" (65mm x 80mm x 29mm)
Weight	0.25 kg / 0.55 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-2818

VGA To Component Converter

Input : 1x VGA, 1x Stereo Audio (AR/AL)
Output : 1x Component Video, 1x Stereo Audio (AR/AL)

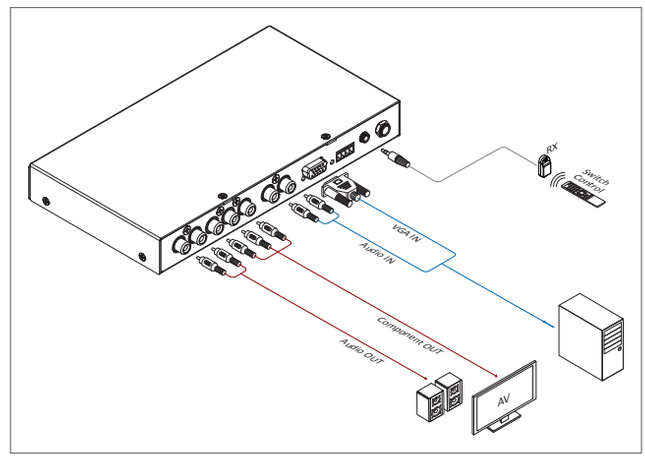
VGA | COMPONENT | CONVERTER

INTRODUCTION

SB-2818 is one of the most innovative VGA / AUDIO (AR/AL) and Stereo Audio Signals Connect to Component Video (YPbPr) Monitor / Stereo Audio (AR/AL) converters on the market today. It is used to convert VGA and Audio signals to Component Video+Audio via RCA connectors.

This product provides high- quality Component Resolution, 480i/p, 720p, 1080i/p outputs that are identical to the quality of source signals. It is useful for converting and scaling up and down VGA video signals to video of high HD resolution quality on Component Video (YPbPr) display.

DIAGRAM TYPICAL



FEATURES

01. VGA to Component Video Converter
02. Inputs Video : 1x VGA (RGBHV)
    Audio : 1x Stereo Audio(AR/AL)
    Outputs Video : 1x Component Video (YPbPr)
    Audio : 1x Stereo Audio(AR/AL)
03. Automatically detect input resolution for VGA, SVGA, XGA, SXGA, WXGA, WSXGA+, WUXGA
04. Automatically down Scale and up Scale for video input/output
05. Selections for input Component Video 50 & 60 Hz, resolution of 480p/720p/1080p
06. Support 3D motion adaptive de-interlacing SD up to HD

SPECIFICATIONS

Input Signals	Video : VGA(RGBHV) via 1x HD-15P Female Connector Audio : Stereo Audio(AR/AL) via 2x RCA connectors
Outputs Signals	Video : Component Video(YPbPr) via 3x RCA connectors Audio : Stereo Audio via 2x RCA connectors
Output Selections	Component Video resolution and Frequency of 50/60Hz
Video bandwidth	350MHz, (-3dB), Audio Bandwidth: 50MHz, (-3dB)
Audio Frequency Respond	20Hz~20KHz
Safety Approvals	CE, FCC
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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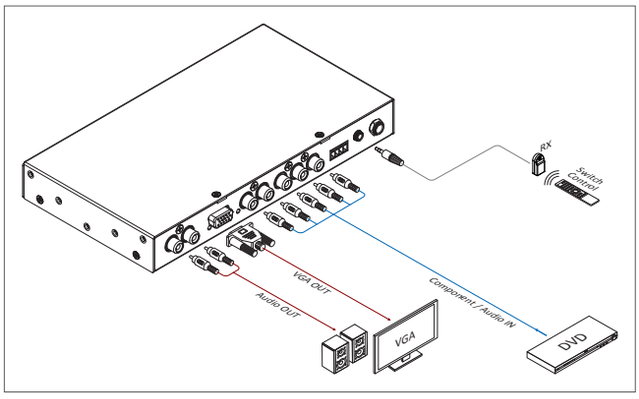
SB-2829

Component To VGA Converter

VGA | COMPONENT | CONVERTER

Input : 1x Component Video, 1x Stereo Audio (AR/AL)
Output : 1x VGA, 1x Stereo Audio (AR/AL)

DIAGRAM TYPICAL



FEATURES

01. Support Component Video to VGA Converter
02. Inputs Video : 1x Component Video (YPbPr)
    Audio : 1x Stereo Audio (AR/AL)
    Outputs Video : 1x VGA (RGBHV)
    Audio : 1x Stereo Audio (AR/AL)
03. Automatic detection HDTV Component Video Standards 480p, 720p AND, 1080i/p Resolution system
04. Automatically control Down Scaling and Up Scaling for Video in/out
05. Direct Output VGA Resolution VGA, SVGA, XGA, SXGA, WXGA, WSXGA+, WUXGA Selections

SPECIFICATIONS

Input Signals	Video : Component Video(YPbPr) 3x via RCA Connectors Audio : Stereo Audio(AR/AL) 2x via RCA Connectors
Outputs Signals	Video : VGA(RGBHV) 1x via HD-15P connector Audio : Stereo Audio via 2x RCA connectors
Output Selections	Direct VGA Resolution Output Selections
Video bandwidth	350MHz, (-3dB)
Audio Bandwidth	50MHz, (-3dB)
Audio Frequency Respond	20Hz~20KHz
Safety Approvals	CE, FCC
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

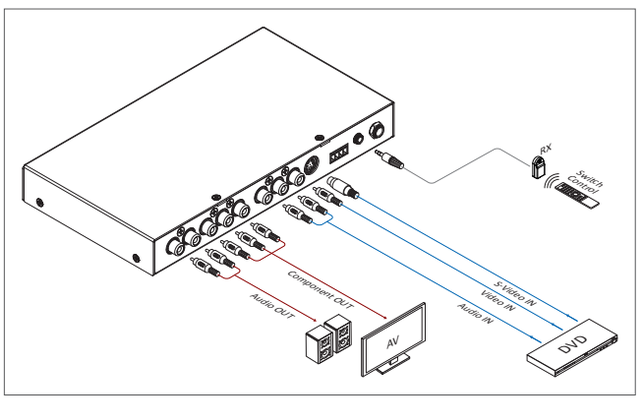
SB-2834

Video · S-Video To Component Converter

VIDEO | S-VIDEO | COMPONENT | CONVERTER

Input : 1x S-Vidoe, 1x Composite Video, 1x Stereo Audio (AR/AL)
Output : 1x Component Video, 1x Stereo Audio (AR/AL)

DIAGRAM TYPICAL



FEATURES

01. Support CVB S/ SV to Component Video Converter
02. Inputs Video : 1x Composite Video & 1x S-Video (Y/C)
    Audio : 1x Stereo Audio (AR/AL)
    Out put s Video : 1x Component Video (YPbPr)
    Audio : 1x Digital Audio (PCM), 1x Stereo Audio (AR/AL)
03. Automatic detection TV Standards system NT SC-M3.58, NT SC-JEia, PAL, PAL-N, PAL-60, PAL-M input system
04. Automatic control UP and Dow n Screen when Video or S-Video in/out
05. Direct Selection the Component Video 480p / 720p / 1080p Resolutions out put
06. Support 5% of overscan range of HDTV Screen output
07. Support Screen up/ down and adjusted

SPECIFICATIONS

Input Signals	Video : Composite Video 1x RCA & 1x S-Video(Y/C) & 1x 4p Mini -Din Connector Audio : Stereo Aud io(AR/AL) 2x RCA & Digital Audio via 1x RCA Connector
Outputs Signals	Video : Component Video (YPbPr) via 3x RCA connectors Audio : Stereo Audio (AR/AL) 2x RCA Connectors
Output Selection	Direct Component Video Resolution and Frequency 50/60Hz Output Selections
Video Bandwidth	200 MHz, (-3dB)
Audio Frequency Respond	50 MHz, (-3dB)
Audio Bandwidth	20 Hz~ 20 KHz
Safety Approvals	CE, FCC
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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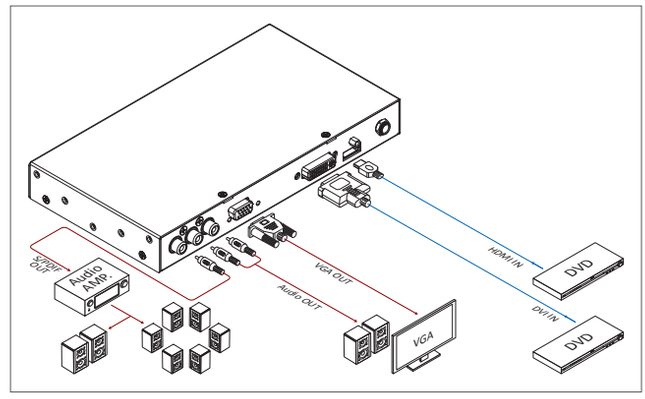
SB-2833

HDMI · DVI To VGA · Digital · Audio Converter

VGA CONVERTER

Input : 1x HDMI, 1x DVI
Output : 1x VGA, 1x Stereo Audio (AR/AL), 1x Digital Audio

DIAGRAM TYPICAL



FEATURES

01. Support HDMI/DVI Digital Audio Video to Analog VGA Converter
02. Inputs : 1x HDMI (Digital Video/Audio) & 1x DVI (Digital Video)
    Outputs: 1xVGA+Stereo Audio & 1x Digital Audio(PCM)
03. Automatic detecting video of 480P,720P and 1080i/p from HDMI and DVI input
04. Direct HDMI & DVI input selection by buttons on front panel
05. VGA Output resolution selections :
    SVGA (800x600), XGA (1024x768), SXGA (1280x1024),
    WSXGA (1366x768), WXGA (1440x900), WSXGA+ (1680x1050),
    UGA (1600x1200), WUXGA (1920 x 1200)
06. Support Digital Audio (PCM) and Stereo Audio outputs

SPECIFICATIONS

Video / Audio Input Signals	HDMI : Digital Video, Digital Audio (PCM), 1x HDMI connector DVI : Digital Video, 1x DVI connector
Video / Audio Outputs	VGA (RGBHV) : 1x via HD-15 Female connector Digital Audio (PCM) : 1x via RCA connector Stereo Audio : 2x via RCA Connectors
Video Bandwidth	350MHz, (-3dB), Audio Bandwidth : 50MHz, (-3dB)
Audio Frequency Respond	Audio Frequency Respond : 20Hz~20KHz
Safety Approvals	CE, FCC
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

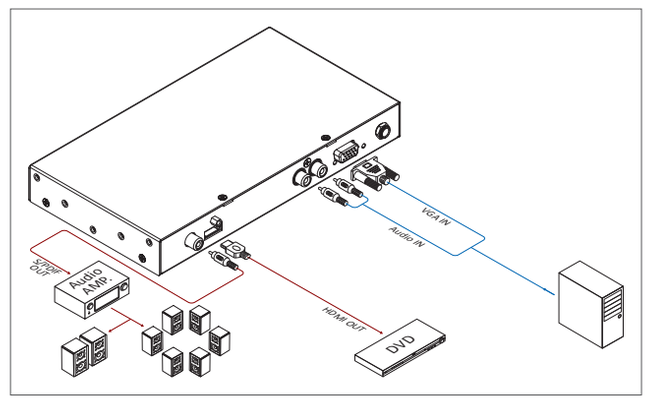
SB-2835

VGA To HDMI Converter

VGA CONVERTER

Input : 1x VGA, 1x Stereo Audio (AR/AL)
Output : 1x HDMI, 1x Digital Audio

DIAGRAM TYPICAL



FEATURES

01. VGA to HDMI Converter
02. Inputs : 1x VGA (RGBHV) & 1x Stereo Audio (AR/AL)
    Outputs : Video : 1x HDMI (Digital Video + Digital Audio)
    Audio : 1x Digital Audio (PCM)
03. Automatically detects for VGA, SVGA, XGA signal
04. Highest input resolution is SXGA (1280x1024)
05. Output automatically scan HDMI resolution of 480p, 720p or 1080i/p
06. Support HDMI version 1.3 with HDCP Compliant
07. Support audio (PCM) outputs

SPECIFICATIONS

Video / Audio Input Signals	VGA (RGBHV) 1x HD-15p Female Connector Stereo Audio (AR/AL) 2x via RCA Connectors
Video / Audio outputs Signals	HDMI, 1x HDMI connector Digital Audio (PCM) 1x via RCA connector
Video Bandwidth	450MHz, (-3dB), Audio Bandwidth : 50MHz, (-3dB)
Audio Frequency Respond	20Hz~20KHz
Safety Approvals	CE, FCC
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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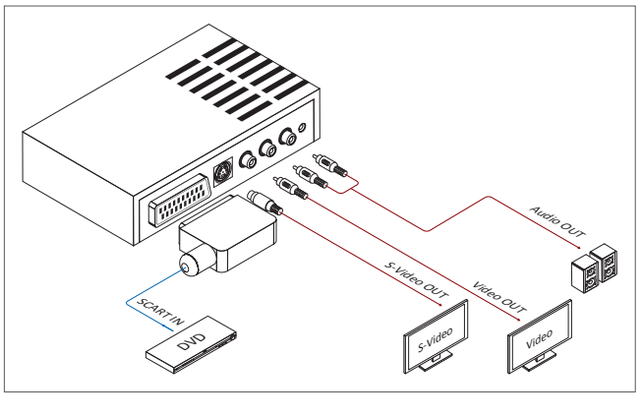
SB-3680

SCART-RGB To S-Video · Video · Audio Converter

SCART VIDEO CONVERTER

Input : 1x SCART
Output : 1x S-Video, 1x Composite Video, 1x Stereo Audio (AR/AL)

DIAGRAM TYPICAL



FEATURES

01. SCART To S-Video / Composite Video / Audio Converter
02. Support S-Video (Y/C) 100Vpp/75Ω and Stereo Audio (AR/AL)
03. Video Bandwidth : 80MHz (-3dB)
04. Audio: Stereo Audio (AR/AL)
05. Gain Flatness : 0.1dB to 20MHz, RL=150Ω
06. Differential Gain Error : 0.03%, RL=150Ω
07. Differential Phase Error : 0.030,RL=150Ω
08. Switch SCART input signals to video signals for TV monitors and plasma displays
09. It is also suitable for SCART RGB signals
10. Terminals : SCART plug, Mini-4din Female, RCA connectors

SPECIFICATIONS

Video / Audio Input Signals	1x SCART
Video / Audio Outputs	1x S-Video, 1x Video, 1x Stereo Audio (AR/AL)
Video Bandwidth	80MHz (-3dB)
Gain Flatness	0.1dB to 20MHz, RL=150Ω
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	6.02" x 3.14" x 1.41" (153mm x 80mm x 36mm)
Weight	0.25 kg / 0.55 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

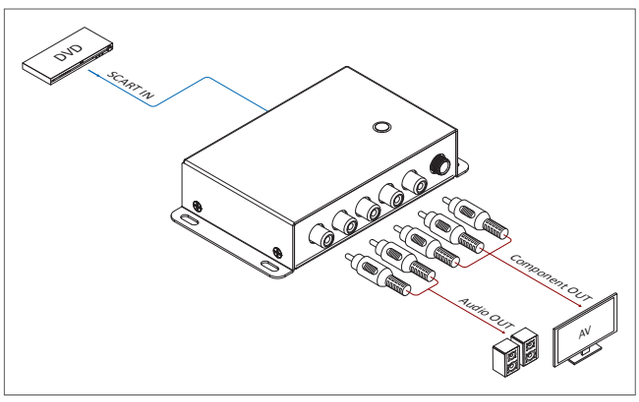
SB-2840

SCART-RGB To Component · Audio Converter

SCART COMPONENT CONVERTER

Input : 1x SCART
Output : 1x Component Video / Stereo Audio (AR/AL)

DIAGRAM TYPICAL



FEATURES

01. SCART To SDTV Component Video/ Audio Converter
02. Support Component Y/Pb/Pr, Y/CbCr.1.00Vpp/75Ω, Stereo Audio (AR/AL)
03. Video Bandwidth : >165MHz (-3dB), 200 mVp-P
04. YUV output for SDTV 480i (13.50MHz), 480P (27.00MHz)
05. Gain Flatness : 0.1dB to 20MHz, RL=150Ω
06. Differential Gain Error : 0.03%, RL=150Ω
07. Differential Phase Error : 0.030,RL=150Ω
08. Switch SCARTsignal form devices into TV monitors and plasma displays
09. Suitable for 480i, 480P
10. Use RCA connectors
11. Wall mountable

SPECIFICATIONS

Video / Audio Input Signals	1x SCART
Video / Audio outputs Signals	1x Component Video / Stereo Audio (AR/AL)
Video Bandwidth	>165MHz (-3dB), 200 mVp-P
Gain Flatness	0.1dB to 20MHz, RL=150Ω
Safety Approvals	CE, FCC
Dimension (WxDxH)	5.03" x 2.83" x 1.06" (128mm x 72mm x 27mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5601

2x1 HDMI Switcher

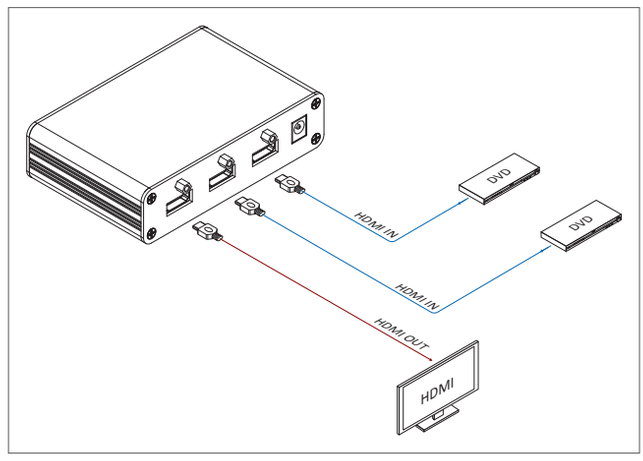
Input : 2x HDMI
Output : 1x HDMI

SWITCHER

INTRODUCTION

The SB-5601 is a competitive, high performance switcher designed for HDMI™ signal support Digital Video TMDS format and Digital Audio via HDMI™ connector. Providing 2 inputs and 1 output, the switcher support data rates up to 2.25 Gbps. Also Control any inputs to output via press the selection buttons on front panel. This product is certified, and with fully HDMI™ and HDCP compliant. The product approved the CE , FCC compliant. Support High resolution1080p quality HDMI™ sources to HDMI™ display, monitor or projector.

DIAGRAM TYPICAL



FEATURES

01. Support 2:1 HDMI Switcher
02. Input : 2x HDMI (with HDCP) via 2x HDMI connectors
    Output : 1x HDMI (with HDCP) via 1x HDMI connector
03. Support HDMI Max Data Rate – 2.25Gbps
04. HDTV Compatible and HDCP compliant
05. Control by press buttons on the front panel
06. Power Input : DC 12V, AC100V~240V Universal switch adaptor

SPECIFICATIONS

Type of Switcher	2x1 HDMI Switcher
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1600x1200
Data Rates	250Mbps to 2.25 Gbps
Pixel clocks	25MHz ~ 225 MHz
HDMI Cable Distance	15 meters at 2.25Gbps
Controls	select buttons on the front panel
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Dimension (WxDxH)	4.44" x 2.87" x 1.14" (113mm x 73mm x 29mm)
Weight	0.2 kg / 0.44 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5601K

2x1 HDMI Routing Switcher

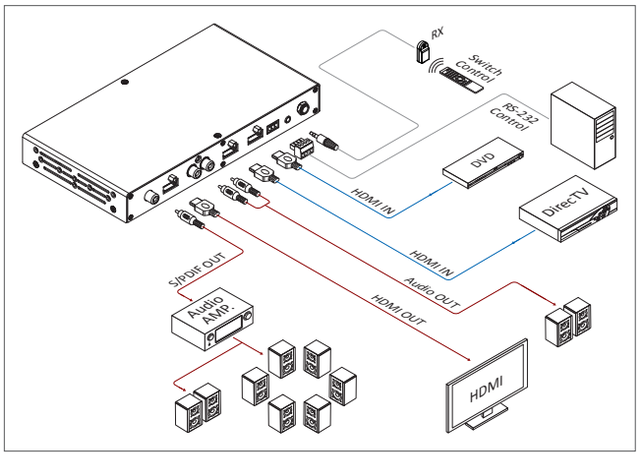
Input : 2x HDMI
Output : 1x HDMI, 1x S/PDIF, 1x Stereo Audio (AR/AL)

PRO SWITCHER 4K2K-60Hz

INTRODUCTION

The SB-5601K is professional 2x1 4K2K HDMI™ Routing Switcher. Supporting two (2) HDMI™ Inputs, one (1) HDMI™, S/PDIF and Stereo Audio (AR/AL) output. The SB-5601K is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be switched (two) Inputs to (1) output. The Routing Switcher is certified as being fully CEC and HDCP 2.2 compliant, full UHD HDMI™ V2.0, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. It supports cable distance up to 20M for 4K2K and 30M for 1080p. Input status LED's indicate the presence of a live signal. Controlis provided via Front panel push buttons, IR and RS-232.

DIAGRAM TYPICAL



FEATURES

01. (2)x HDMI 4K2K source device routing switch to (1)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS with embedded HDCP, DVI format and CEC / HDCP 2.2 compliant
03. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, V2.0
04. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (60Hz)
05. Digital Video TMDS formats Resolution up to 4K2K with Deep color 12-bit
06. Audio Input : Support HDMI standard multi-channel digital audio
07. Audio Output : Support HDMI standard multi-channel digital audio
08. User Interface controls : Front Panel push button, IR remote control, RS-232
09. Support HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
10. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	2x input To 1x Outputs HDMI Switcher
HDMI Support	HDMI 1080P, 4K2K-@60Hz, H12-bit Deep color
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Input	2x HDMI (HDMI or DVI digital source)
Output	1x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out)
Input Status	Autoscan the input status and show via LEDs to indicate a live signal
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via RS-232
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Dimension (WxDxH)	8.26" x 4.44" x 1.06" (210mm x 113mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5604

4x1 HDMI Routing Switcher

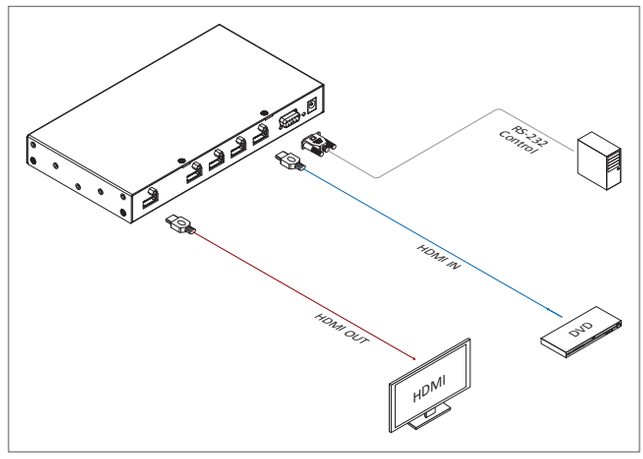
Input : 4x HDMI
Output : 1x HDMI

SWITCHER

INTRODUCTION

The SB-5604 is a competitive, high performance switcher designed for HDMI™ signal, support Digital Video TMDS format and Digital Audio via HDMI™ connectors. Providing 4 inputs and 1 output. The Switcher support data rate up to 2.25 Gbps. Also control any inputs to output via press the selection buttons on the front panel. Control by selection buttons on the front panel, IR Remote controller and RS-232 via a PC. This product is certified and fully HDMI™ and HDCP compliant. The product approved the CE, FCC compliants. Support high resolution 1080p quality HDMI™ sources to a HDMI™ display, monitor or projector.

DIAGRAM TYPICAL



FEATURES

01. Support HDMI 4xInputs to 1xOutput Switcher
02. Input: 4x HDMI (with HDCP) via 4x HDMI connector
03. Output: 1x HDMI (with HDCP) via 1x HDMI connectors
04. Support HDMI Max Data Rates – 2.25Gbps
05. HDTV Compatible and HDCP compliant
06. Control by press buttons on the front panel
07. RS-232 serial port interface on the rear panel
08. IR transceiver on the front panel and IR External device connection
09. Input status with LED display

SPECIFICATIONS

Type of Switcher	4x1 HDMI Switcher
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1600x1200
Data Rates	50Mbps to 2.25 Gbps
Pixel clocks	25MHz to 225 MHz
HDMI Cable Distance	15 meters at 2.25Gbps
Infrared frequency	38KHz
Control	RS-232, IR, Select buttons (on the front panel)
Safety Approvals	CE, FCC, REACH, Erp, WEEE
Dimension (WxDxH)	8.26" x 4.44" x 1.06" (210mm x 113mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5604K

4x1 HDMI Routing Switcher

Input : 4x HDMI, 4x Stereo Audio (AR/AL), 2x AUX, 1x MIC
Output : 1x HDMI, 1x S/PDIF, 1x Stereo Audio (AR/AL)

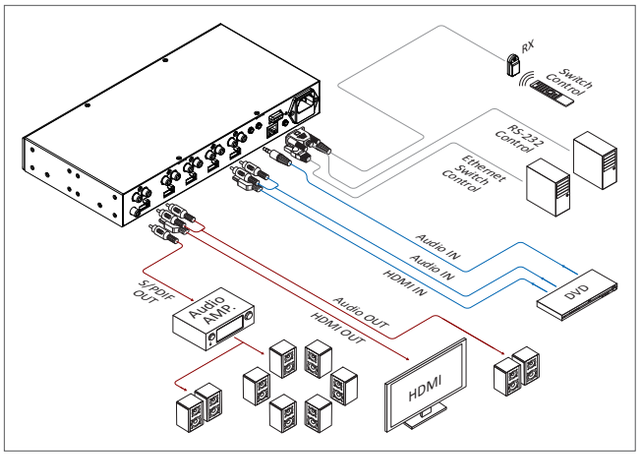
PRO | EDID | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-300L

INTRODUCTION

The SB-5604K is professional 6x1 4K2K HDMI™ Routing Switcher. Supporting four (4) HDMI™ with External Audio, 2x Stereo inputs and one (1) HDMI™, S/PDIF and Stereo Audio (AR/AL) output. The SB-5604K is based on the HDMI™ UHD 4K2K and supports full resolution HDMI™ Video with a signal bandwidth of 340Mhz. The Routing Switcher is able to switch Video and Audio separately. The HDMI™ output can be selected from 4xHDMI™ inputs, the Audio output cab be selected from HDMI™ inputs or Stereo Audio inputs. The Routing Switcher is certified as being fully CEC and HDCP 2.2 compliant, full HD 4K2K HDMI™ 2.0 formats, data rates up to 6.75 Gbps. Supports PC resolution up to 1920x1200. It supports cable distance up to 65 feet (20M) for 4K2K and 98 feet (30M) for 1080p. Volume up and down can be controlled via Knob. Input status LED's indicate the presence of a live signal. Controls provided via Front panel push buttons, IR, RS-232 and Ethernet.

DIAGRAM TYPICAL



FEATURES

01. (4)x HDMI 4K2K source device routing switch to (1)x HDMI output 4K2K destinations
02. Support Video and Audio separate switching, audio output is able to switch not only from HDMI but also from Stereo Audio(AR/AL) and two AUX inputs
03. Support Six(6) audio inputs, four(4) is from HDMI or Stereo Audio(AR/AL) and two(2) is from AUX
04. Support HDMI 2.0 and HDCP 2.2 compliant
05. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz)
06. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions
07. 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K-60Hz
08. Digital Video TMDS formats Resolution up to 4K2K with Deep color 12-bit
09. Volume can be controlled via Knob
10. Audio bandwidth is 10Hz to 20KHz with Gain Error 0.05dB
11. Audio Output(AR/AL) : Support PCM 2ch
12. Audio Output(S/PDIF) : Support multi-channel digital audio up to 5.1ch
13. User Interface controls: Front Panel push button, IR, RS-232 and Ethernet
14. Support HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
15. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz
16. Wall mounted ear rack included

SPECIFICATIONS

Type of HDMI Switcher	4x input To 1x Outputs HDMI Switcher
Input	4x HDMI, 4xStereo Audio (AR/AL), 2xAUX
Output	1x HDMI, 1xS/PDIF, 1xStereo Audio (AR/AL)
HDMI Support	HDMI 1080P, 4K2K-@60Hz, H12-bit Deep color
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Audio Frequency	10Hz ~ 20KHz
Audio Volume Control	+0 ~ +100 levels (+6db)
Audio Balance Control	L= +0 ~ +50, R= +51 ~ +100
Gain Error	0.05dB
THD+N	0.004% @ 20KHz
De-emphasis Error	0.05dB (FS=44.1KHz)
Dynamic range	120dB
Fast setting time	160nS
Harmonic Distortion	-88dB@0dB
Switch Controls	Front Panel, IR, RS-232 and Ethernet
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5605

4x1 HDMI · Digital · Optical Routing Switcher

Input : 4x HDMI, 4x Digital Audio, 4x Optical (Toslink)
Output : 1x HDMI, 1x Digital Audio, 1x Optical (Toslink)

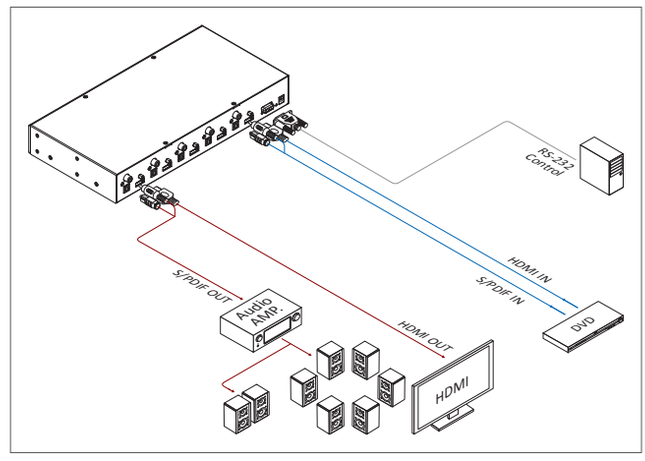
SWITCHER

Ear Rack : 1U-300L

INTRODUCTION

The SB-5605 is a competitive, high performance switcher designed for HDMI™ signal,Digital Audio(PCM) and Optical (Toslink) signals.
Support Digital Video TMDS format and Digital Audio via HDMI™ connectors. Providing 4 inputs and 1 output. The Switcher supports data rate up to 2.25Gbps. Also Control any inputs to output via press the selection buttons on the front panel. This product is certified, and fully HDMI™ and HDCP compliant. The product approved the CE & FCC compliants. Support high resolution 1080p quality HDMI™ sources to a HDMI™ display, Monitor or Projector.

DIAGRAM TYPICAL



FEATURES

01. Support 4:1 HDMI Switcher
02. Input : 4x HDMI
03. Output : 1x HDMI
04. HDTV Compatible and HDCP compliant
05. Support HDMI Max Data Rate – 2.25Gbps
06. Control by press buttons on the front panel
07. RS-232 serial port interface on the rear panel
08. IR transceiver on the front panel
09. Input status with LED display

SPECIFICATIONS

Type of Switcher	4x1 HDMI Switcher
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1600x1200 resolution
Data Rates	250Mbps to 2.25 Gbps
Pixel clocks	25MHz to 225 MHz
HDMI Cable Distance	15 meters at 2.25Gbps
Infrared frequency	38KHz
Control	RS-232, IR, Select buttons (on the front panel)
Safety Approvals	CE, FCC, REACH, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5605K

4x2 HDMI · Digital · Optical Routing Switcher

PRO | EDID | SWITCHER | 4K2K-60Hz

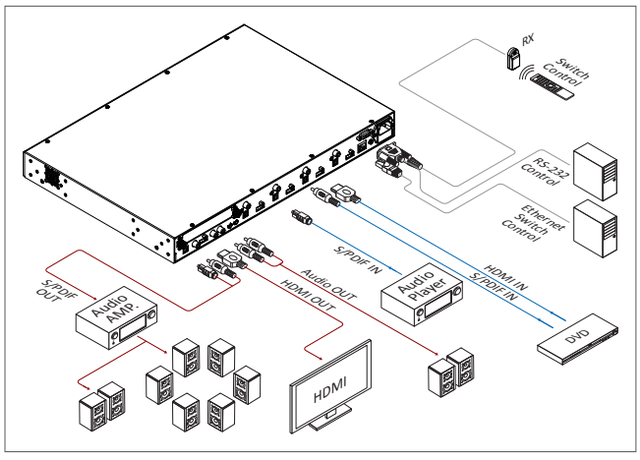
Input : 4x HDMI, 4x S/PDIF, 4x Optical (Toslink), 2x AUX
Output 1 : 1x HDMI, 1x S/PDIF, 1x Optical (Toslink), 1x Stereo Audio (AR/AL)
Output 2 : Modular Type (Page 01-01)

Ear Rack : 1U-440L

INTRODUCTION

The SB-5605K is professional 4x2 4K2K HDMI™ Routing Switcher. Supporting four (4) HDMI™, Optical, S/PDIF Inputs, one (1) HDMI™, Optical, S/PDIF and Stereo Audio(AR/AL) Output. The SB-5605K is based on the HDMI™ UHD 4K2K and supports full resolution HDMI™ Video with a signal bandwidth of 340Mhz, there is no signal degradation. The Routing Switcher is certified as being fully CEC and HDCP 2.2 compliant, full UHD 4K2K HDMI™ 2.0 format, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. It supports cable distance up to 65 feet (20M) for 4K2K and 98 feet (30M) for 1080p. Volume and Balance control is available for analog audio output. Input status LED's indicate the presence of a live signal. Controls provided via Front panel push buttons, IR, RS-232 and Ethernet.

DIAGRAM TYPICAL



FEATURES

01. (4)x HDMI 4K2K source device routing switch to (1)x HDMI output 4K2K destinations
02. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz)
03. Support HDMI 2.0, HDCP 2.2
04. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K-60Hz
05. Digital Video TMDS formats Resolution up to 4K2K with Deep color 12-bit
06. Volume and Balance control is available for analog audio output
07. The additional output module can be supported different various type of signal modules
08. Easily control via front panel fucntion control keys
09. Audio bandwidth is 10Hz to 20KHz with Gain Error 0.05dB
10. Audio Output(AR/AL) : Support PCM 2ch
11. Audio Output(S/PDIF) : Support multi-channel digital audio up to 5.1ch
12. User Interface controls: Front Panel push button, IR, RS-232 and Ethernet
13. Support HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
14. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz
15. Wall mounted ear rack included

SPECIFICATIONS

Type of HDMI Switcher	4x input To 1x Outputs HDMI Switcher
Input	4x HDMI, 4xOptical, 4xS/PDIF
Output	1x HDMI, 1xOptical, 1xS/PDIF, 1xAnalog Audio (AR/AL)
HDMI Support	HDMI 1080P, 4K2K-@60Hz, H12-bit Deep color
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Audio Frequency	10Hz ~ 20KHz
Audio Volume Control	+0 ~ +100 levels(+6db)
Audio Balance Control	L= +0 ~ +50, R= +51 ~ +100
Gain Error	±0.05dB
THD+N	0.0004% @ 20KHz
De-emphasis Error	±0.05dB (FS=44.1KHz)
Dynamic range	120dB
Fast setting time	160nS
Harmonic Distortion	-88dB@0dB
Switch Controls	Front Panel, IR, RS-232 and Ethernet
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5608

8x2 HDMI Routing Switcher

Input : 8x HDMI
Output : 2x HDMI

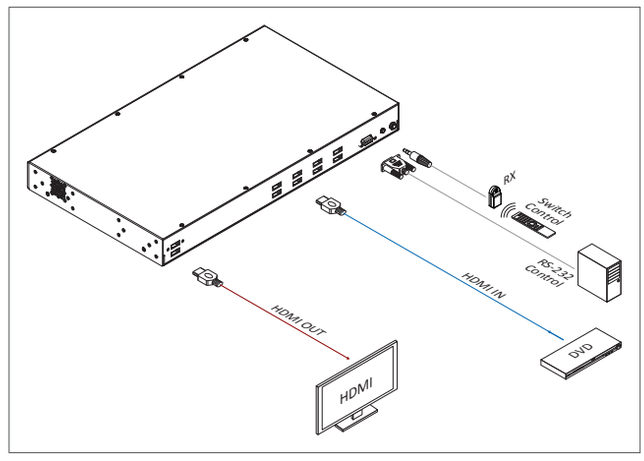
SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5608 is a competitive, high performance switcher designed for HDMI™ signal, Support Digital Video TMDS format and Digital Audio via HDMI™ connectors. Providing 8 inputs and 1 output. The Switcher support data rate up to 2.25Gbps. Also control any one of the 8 inputs to 1 output via press the selection buttons on the front panel.Control by selection buttons on the front panel, IR Remote controller and RS-232 via a PC. This product is certified, and fully HDMI™ and HDCP compliant. The product approved the CE & FCC compliants. Support high resolution 1080p quality HDMI™ sources to a HDMI™ display, Monitor or Projector.

DIAGRAM TYPICAL



FEATURES

01. Support 8:2 HDMI Switcher
02. Input: 8x HDMI
03. Output: 2x HDMI
04. Support HDMI Max Data Rate – 2.25Gbps
05. HDTV Compatible and HDCP compliant
06. Control by press buttons on the real panel
07. RS-232 serial port interface on the rear panel
08. IR transceiver on the front panel
09. Input status with LED display

SPECIFICATIONS

Type of Switcher	8x1 HDMI Switcher
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1600x1200
Data Rates	250Mbps to 2.25 Gbps
Pixel clocks	25MHz to 225 MHz
HDMI Cable Distance	15 meters at 2.25Gbps
Infrared frequency	38KHz
Controls	RS-232, IR, Select buttons on the front panel
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5608K

8x2 HDMI Routing Switcher

PRO | EDID | SWITCHER | 4K2K-60Hz

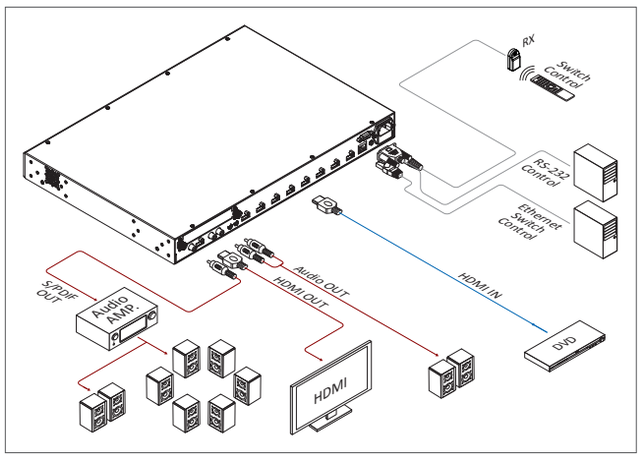
Input : 8x HDMI, 2x AUX
Output 1 : 1x S/PDIF, 1x HDMI, 1x Stereo Audio (AR/AL)
Output 2 : Modular Type (Page 01-01)

Ear Rack : 1U-440L

INTRODUCTION

The SB-5608K is professional 8x1 4K2K HDMI™ Routing Switcher. Supporting eight (8) HDMI™ Inputs; and one (1) HDMI™, S/PDIF and Stereo Audio(AR/AL) Output. The SB-5608K is based on the HDMI™ UHD 4K2K and supports full resolution HDMI™ Video with a signal bandwidth of 340Mhz, there is no signal degradation. The Routing Switcher is certified as being fully CEC and HDCP 2.2 compliant, full UHD 4K2K HDMI™ 2.0 formats, data rates up to 6.75 Gbps. Supports UXGA /WUXGA / DVI 1920x1200 resolution to any HD displays. It supports cable distance up to 65 feet (20M) for 4K2K and 98 feet (30M) for 1080p. Volume and Balance control is available for analog audio output. Input status LED's indicate the presence of a live signal. Controls provided via Front panel push buttons, IR, RS-232 and Ethernet.

DIAGRAM TYPICAL



FEATURES

01. (8)x HDMI 4K2K source device routing switch to (1)x HDMI output 4K2K destinations
02. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz)
03. Support HDMI 2.0, HDCP 2.2
04. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K-60Hz
05. Digital Video TMDS formats Resolution up to 4K2K with Deep color 12-bit
06. Volume and Balance control is available for analog audio output
07. The additional output module can be supported different various type of signal modules
08. Easily control via front panel fucntion control keys
09. Audio bandwidth is 10Hz to 20KHz with Gain Error 0.05dB
10. Audio Output(AR/AL) : Support PCM 2ch
11. Audio Output(S/PDIF) : Support multi-channel digital audio up to 5.1ch
12. User Interface controls: Front Panel push button, IR, RS-232 and Ethernet
13. Support HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
14. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz
15. Wall mounted ear rack included

SPECIFICATIONS

Type of HDMI Switcher	8x input To 1x Outputs HDMI Switcher
Input	8x HDMI
Output	1x HDMI, 1xS/PDIF, 1xAnalog Audio (AR/AL)
HDMI Support	HDMI 1080P, 4K2K-@60Hz, H12-bit Deep color
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Audio Frequency	10Hz ~ 20KHz
Audio Volume Control	+0 ~ +100 levels (+6db)
Audio Balance Control	L= +0 ~ +50, R= +51 ~ +100
Gain Error	±0.05dB
THD+N	0.0004% @ 20KHz
De-emphasis Error	±0.05dB (FS=44.1KHz)
Dynamic range	120dB
Fast setting time	160nS
Harmonic Distortion	-88dB@0dB
Switch Controls	Front Panel, IR, RS-232 and Ethernet
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5612

12x2 HDMI Routing Switcher

Input : 12x HDMI
Output : 2x HDMI

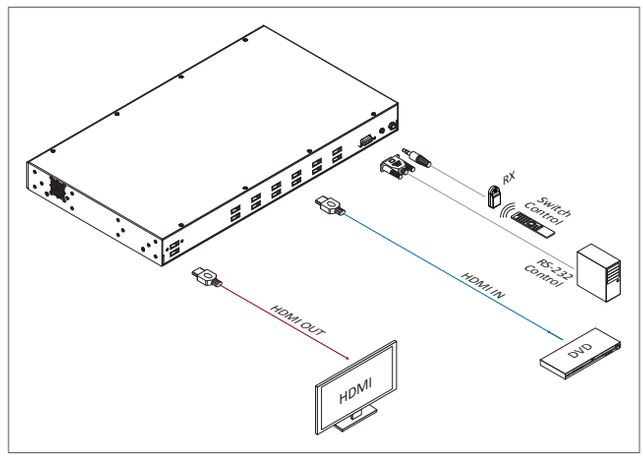
SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5612 is a competitive high performance 12 inputs to 2 outputs routing switcher. Designed for HDMI™ signal, Support Digital Video TMDS format and Digital Audio via HDMI™ 19 Pin connectors. This product is certified as being fully HDMI™ and HDCP 1.2 compliant. Providing 12 HDMI™ device inputs and 2 HDMI™ device outputs. The Switcher support HDMI™ 1.3a 3D formats the data rate up to 2.25Gbps. Also control any one of the 12 inputs to 2 outputs via press the selection buttons on the front panel. Control by selection buttons on the front panel, IR Remote controller and RS-232 via a PC. The product approved the CE & FCC compliants. Support high resolution 1080p quality HDMI™ sources to a HDMI™ display, monitor or projector.

DIAGRAM TYPICAL



FEATURES

01. Support 12 HDMI inputs to 2 HDMI outputs Routing Switcher
02. Input: 12x HDMI
03. Output: 2x HDMI
04. Support HDMI 1.3a 3D formats Max Data Rate 2.25Gbps
05. HDTV Compatible and HDCP 1.2 compliant
06. Control by press buttons on the front panel
07. Support the RS-232 serial port interface
08. Support IR transceiver on the front panel and IR External device connection
09. Input status with LED display

SPECIFICATIONS

Type of Switcher	12x2 HDMI Routing Switcher
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP 1.2
HDTV Support	1080p HDMI formats and UXGA 1600x1200
Data Rates	Support 1.3a 3D formats, up to 2.25 Gbps
Pixel clocks	225Mbps
HDMI Cable Distance	15 meters (49 feet)
Infrared frequency	38KHz
Controls	RS-232, IR, IR EXT,Select buttons(on the front panel)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5612K

12x2 HDMI Routing Switcher

PRO | EDID | SWITCHER | 4K2K-60Hz

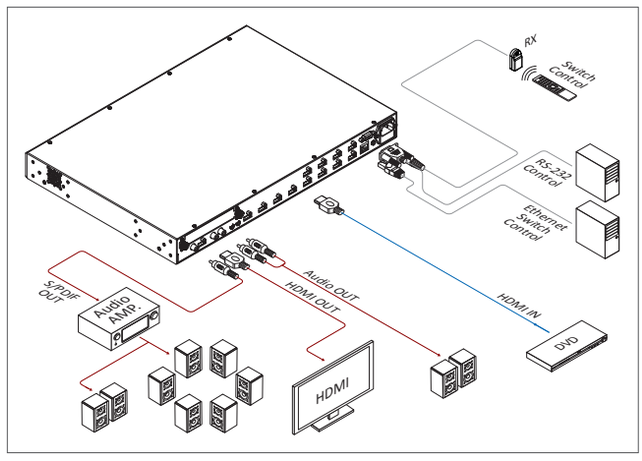
Input : 12x HDMI, 2x AUX
Output 1 : 1x S/PDIF, 1x HDMI, 1x Stereo Audio (AR/AL)
Output 2 : Modular Type (Page 01-01)

Ear Rack : 1U-440L

INTRODUCTION

The SB-5612K is professional 12x1 4K2K HDMI™ Routing Switcher. Supporting eight (8) HDMI™ Inputs; and one (1) HDMI™, S/PDIF and Stereo Audio(AR/AL) Output. The SB-5612K is based on the HDMI™ UHD 4K2K and supports full resolution HDMI™ Video with a signal bandwidth of 340Mhz, there is no signal degradation. The Routing Switcher is certified as being fully CEC and HDCP 2.2 compliant, full UHD 4K2K HDMI™ 2.0 formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. It supports cable distance up to 65 feet (20M) for 4K2K and 98 feet (30M) for 1080p. Volume and Balance control is available for analog audio output. Input status LED's indicate the presence of a live signal. Controls provided via Front panel push buttons, IR, RS-232 and Ethernet.

DIAGRAM TYPICAL



FEATURES

01. (12)x HDMI 4K2K source device routing switch to (1)x HDMI output 4K2K destinations
02. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz)
03. Support HDMI 2.0, HDCP 2.2
04. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K-60Hz
05. Digital Video TMDS formats Resolution up to 4K2K with Deep color 12-bit
06. Volume and Balance control is available for analog audio output
07. The additional output module can be supported different various type of signal modules
08. Easily control via front panel fucntion control keys
09. Audio bandwidth is 10Hz to 20KHz with Gain Error 0.05dB
10. Audio Output(AR/AL) : Support PCM 2ch
11. Audio Output(S/PDIF) : Support multi-channel digital audio up to 5.1ch
12. User Interface controls: Front Panel push button, IR, RS-232 and Ethernet
13. Support HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
14. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz
15. Wall mounted ear rack included

SPECIFICATIONS

Type of HDMI Switcher	12x input To 1x Outputs HDMI Switcher
Input	12x HDMI
Output	1x HDMI, 1xS/PDIF, 1xAnalog Audio (AR/AL)
HDMI Support	HDMI 1080P, 4K2K-@60Hz, H12-bit Deep color
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Audio Frequency	10Hz ~ 20KHz
Audio Volume Control	+0 ~ +100 levels (+6db)
Audio Balance Control	L= +0 ~ +50, R= +51 ~ +100
Gain Error	±0.05dB
THD+N	0.0004% @ 20KHz
De-emphasis Error	±0.05dB (FS=44.1KHz)
Dynamic range	120dB
Fast setting time	160nS
Harmonic Distortion	-88dB@0dB
Switch Controls	Front Panel, IR, RS-232 and Ethernet
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5616

16x2 HDMI Routing Switcher

Input : 16x HDMI
Output : 2x HDMI

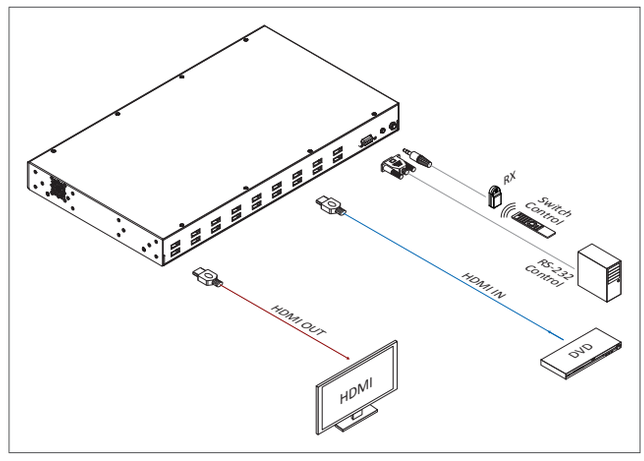
SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5616 is a competitive high performance 16 inputs to 2 outputs routing switcher. Designed for HDMI™ signal, Support Digital Video TMDS format and Digital Audio via HDMI™ 19 Pin connectors. This product is certified as being fully HDMI™ and HDCP 1.2 compliant. Providing 16 HDMI™ device inputs and 2 HDMI™ device outputs. The Switcher support HDMI™ 1.3a 3D formats the data rate up to 2.25Gbps. Also control any one of the 16 inputs to 2 outputs via press the selection buttons on the front panel. Control by selection buttons on the front panel, IR Remote controller and RS-232 via a PC. The product approved the CE & FCC compliants. Support high resolution 1080p quality HDMI™ sources to a HDMI™ display, monitor or projector.

DIAGRAM TYPICAL



FEATURES

01. Support 16 HDMI inputs to 2 HDMI outputs Routing Switcher
02. Input : 16x HDMI
03. Output : 2x HDMI
04. Support HDMI 1.3a 3D formats Max Data Rate 2.25Gbps
05. HDTV Compatible and HDCP 1.2 compliant
06. Control by press buttons on the front panel
07. Support the RS-232 serial port interface
08. Support IR transceiver on the front panel and IR External device connection
09. Input status with LED display

SPECIFICATIONS

Type of Switcher	16x2 HDMI Routing Switcher
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP 1.2
HDTV Support	1080p HDMI formats and UXGA 1600x1200
Data Rates	Support 1.3a 3D formats, up to 2.25 Gbps
Pixel clocks	225Mbps
HDMI Cable Distance	15 meters (49 feet)
Infrared frequency	38KHz
Controls	RS-232, IR, IR EXT, Select buttons (on the front panel)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5616K

16x2 HDMI Routing Switcher

Input : 16x HDMI, 2x AUX
Output 1 : 1x S/PDIF, 1x HDMI, 1x Stereo Audio (AR/AL)
Output 2 : Modular Type (Page 01-01)

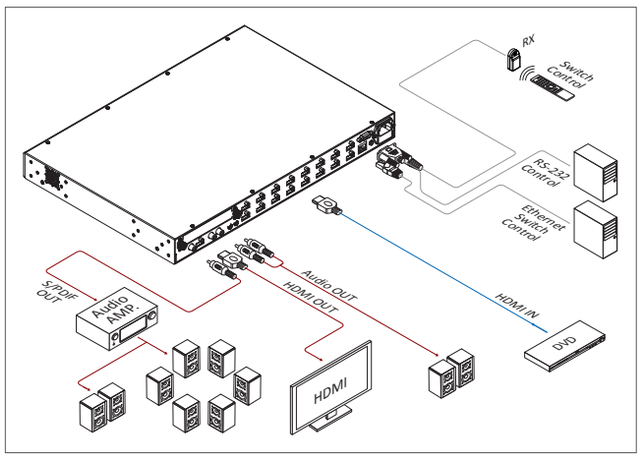
PRO | EDID | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-440L

INTRODUCTION

The SB-5616K is professional 16x1 4K2K HDMI™ Routing Switcher. Supporting eight (8) HDMI™ Inputs; and one (1) HDMI™, S/PDIF and Stereo Audio(AR/AL) Output. The SB-5616K is based on the HDMI™ UHD 4K2K and supports full resolution HDMI™ Video with a signal bandwidth of 340Mhz, there is no signal degradation. The Routing Switcher is certified as being fully CEC and HDCP 2.2 compliant, full UHD 4K2K HDMI™ 2.0 formats, data rates up to 6.75 Gbps. Supports UXGA / WUXGA / DVI 1920x1200 resolution to any HD displays. It supports cable distance up to 65 feet (20M) for 4K2K and 98 feet (30M) for 1080p. Volume and Balance control is available for analog audio output. Input status LED's indicate the presence of a live signal. Controls provided via Front panel push buttons, IR, RS-232 and Ethernet.

DIAGRAM TYPICAL



FEATURES

01. (16)x HDMI 4K2K source device routing switch to (1)x HDMI output 4K2K destinations
02. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz)
03. Support HDMI 2.0, HDCP 2.2
04. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K-60Hz
05. Digital Video TMDS formats Resolution up to 4K2K with Deep color 12-bit
06. Volume and Balance control is available for analog audio output
07. The additional output module can be supported different various type of signal modules
08. Easily control via front panel fucntion control keys
09. Audio bandwidth is 10Hz to 20KHz with Gain Error 0.05dB
10. Audio Output(AR/AL) : Support PCM 2ch
11. Audio Output(S/PDIF) : Support multi-channel digital audio up to 5.1ch
12. User Interface controls: Front Panel push button, IR, RS-232 and Ethernet
13. Support HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
14. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz
15. Wall mounted ear rack included

SPECIFICATIONS

Type of HDMI Switcher	16x input To 1x Outputs HDMI Switcher
Input	16x HDMI
Output	1x HDMI, 1xS/PDIF, 1xAnalog Audio (AR/AL)
HDMI Support	HDMI 1080P, 4K2K-@60Hz, H12-bit Deep color
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Audio Frequency	10Hz ~ 20KHz
Audio Volume Control	+0 ~ +100 levels (+6db)
Audio Balance Control	L= +0 ~ +50, R= +51 ~ +100
Gain Error	±0.05dB
THD+N	0.0004% @ 20KHz
De-emphasis Error	±0.05dB (FS=44.1KHz)
Dynamic range	120dB
Fast setting time	160nS
Harmonic Distortion	-88dB@0dB
Switch Controls	Front Panel, IR, RS-232 and Ethernet
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5642LCM

4x2 HDMI Matrix Switcher

Input : 4x HDMI
Output : 2x HDMI

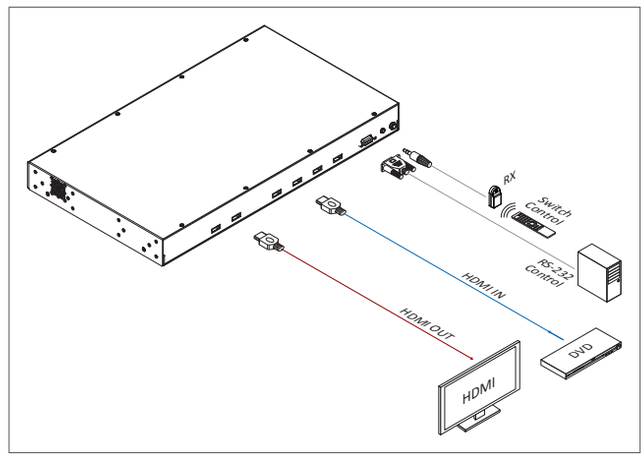
PRO MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5642LCM is high-performance 4x2 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 2.25 Gbps, enabling 1080p HDMI™ formats and UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any outputs simultaneously. The Switcher is certified and fully HDMI™ and HDCP compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via front panel push buttons, IR remote or via RS-232. A RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (4)x HDMI digital source devices Matrix switched to (2)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats
04. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
06. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2.
07. Support IR Remote and IR Extender with distance 300M Maximum
08. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
09. Compatible with full HD high resolution Video player device and LCD / Plasma monitor displays or Projector
10. Direct selection and confirm via Front push buttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support world wide eight (8) select embedded EDID modes
13. Support seven (7) control function key :
    ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
14. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8
    A Windows-based control software Driver packaged
15. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
16. Support Lower power consumed full load under 1800 mA
17. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(4)x inputs To (2)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 250Mhz, Total 2.25Gbps bandwidth
Digital Video Support	HD:480i/480p/720p/1080i/p up to 36bit deep color
Input	(4)x HDMI (HDMI or DVI digital source)
Output	(2)x HDMI (To 2x Destinations)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(13) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (2), 9.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5642K

4x2 HDMI Matrix Switcher

Input : 4x HDMI
Output : 2x HDMI

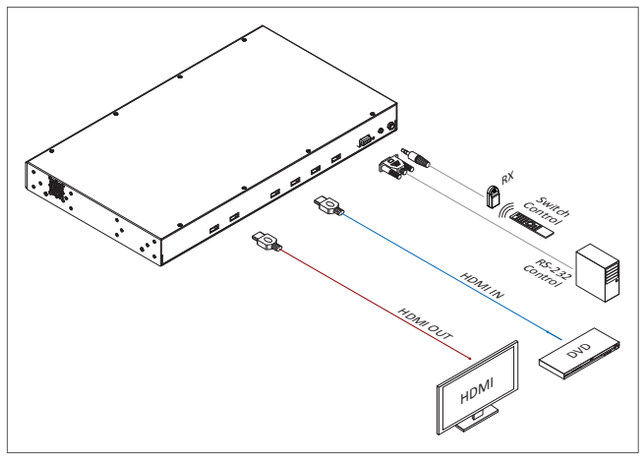
PRO | MATRIX | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-440L

INTRODUCTION

The SB-5642LCM is high-performance 4x2 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 6.75 Gbps, enabling 4K2K-60Hz HDMI™ formats and UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any outputs simultaneously. The Switcher is certified and fully HDMI™ V2.0 and HDCP 2.2 compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via front panel push buttons, IR remote or via RS-232. A RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (4)x HDMI digital source devices Matrix switched to (2)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.2 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 4K2K
04. Support link speeds of up to 6.75 Gbps (link clock rate of 340 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p, 4K2K-60Hz
06. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
07. Support IR Remote and IR Extender with distance 300M Maximum
08. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
09. Compatible with full HD high resolution Video player device and LCD / Plasma monitor displays or Projector
10. Direct selection and confirm via Front push buttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support world wide seven (7) select embedded EDID modes
13. Support seven (7) control function key :
    ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
14. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8
    A Windows-based control software Driver packaged
15. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
16. Support Lower power consumed full load under 1800 mA
17. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(4)x inputs To (2)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-@60Hz, 36-bit Deep color, HDMI V2.0 format
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75 Gbps bandwidth
Input	(4)x HDMI (HDMI or DVI digital source)
Output	(2)x HDMI (To 2x Destinations)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(13) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (2), 9.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5645LCM

4x4 HDMI Matrix Switcher

Input : 4x HDMI
Output : 4x HDMI

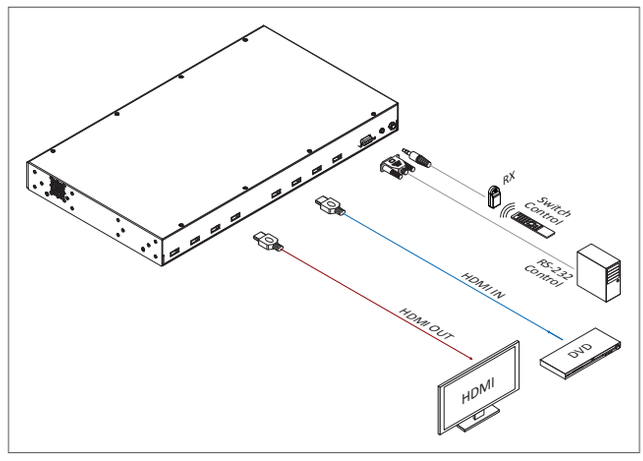
PRO MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5645LCM is high-performance 4x4 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 2.25 Gbps, enabling 1080p, HDMI™ formats and UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully HDMI™ and HDCP compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (4)x HDMI digital source devices Matrix switched to (4)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats
04. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
06. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2.
07. Support IR Remote and IR Extender with distance 300M Maximum
08. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
09. Compatible with full HD high resolution Video player device and LCD / Plasma monitor displays or Projector
10. Direct selection and confirm via Front push buttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support world wide seven (7) select embedded EDID modes
13. Support seven (7) control function key :
    ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
14. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8
    A Windows-based control software Driver packaged
15. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
16. Support Lower power consumed full load under 2450 mA
17. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(4)x inputs To (4)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 250Mhz, Total 2.25Gbps bandwidth
Input	(4)x HDMI (HDMI or DVI digital source)
Output	(4)x HDMI (To 4x Destinations)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(15) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (4), 9.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5645K

4x4 HDMI Matrix Switcher

Input : 4x HDMI
Output : 4x HDMI

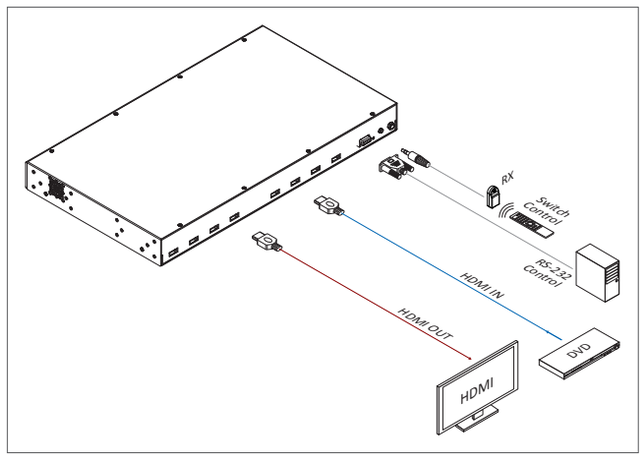
PRO | MATRIX | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-440L

INTRODUCTION

The SB-5645K is high-performance 4x4 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 6.75 Gbps, enabling 4K2K-60Hz HDMI™ formats and UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully HDMI™ V2.0 and HDCP 2.2 compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (4)x HDMI digital source devices Matrix switched to (4)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.2 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 4K2K formats
04. Support link speeds of up to 6.75 Gbps (link clock rate of 340 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p, 4K2K
06. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
07. Support IR Remote and IR Extender with distance 300M Maximum
08. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
09. Compatible with full HD high resolution Video player device and LCD / Plasma monitor displays or Projector
10. Direct selection and confirm via Front push buttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support world wide seven (7) select embedded EDID modes
13. Support seven (7) control function key : ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
14. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8 A Windows-based control software Driver packaged
15. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
16. Support Lower power consumed full load under 2450 mA
17. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(4)x inputs To (4)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-@60Hz, 36-bit Deep color, HDMI V2.0 format
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
Input	(4)x HDMI (HDMI or DVI digital source)
Output	(4)x HDMI (To 4x Destinations)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(15) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (4), 9.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5645AK

4x4 HDMI Matrix Switch with Auxiliary Audio

Input : 4x HDMI, 4x AUX
Output : 4x HDMI, 4x S/PDIF or ARC

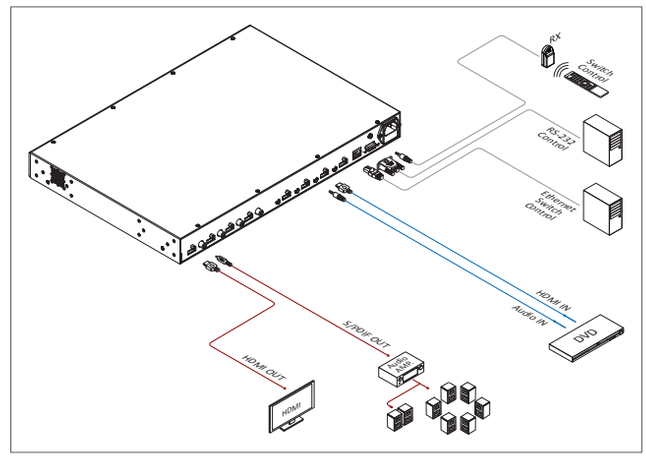
S/PDIF | ARC | AUXILIARY | PRO | MATRIX | SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5645AK is professional 4x4 matrix routing switch. Supporting four (4) HDMI™ Inputs and (4) Auxiliary Audio Inputs. Output supported (4) HDMI™ and (4) S/PDIF audio. The SB-5645AK is based on the HDMI™ standard and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (4) Inputs to (4) outputs. The Switcher is certified as being fully CEC , ARC and HDCP 1.3 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5645AK has 1x HDMI™ and Auxiliary Audio(analog stereo audio) connector for Input, effectively making this an 8 in x8 out switcher. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Four (4)x HDMI with Auxiliary Audio (Analog Audio) source devices matrix switched to Four (4)x HDMI with S/PDIF output destinations.
02. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/ DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
07. Digital Audio Support : - Dolby TrueHD
    - Dolby Digital
    - Dolby Digital Plug/ex
    - DTS
    - DTS-HD
    - DTS-HD Master
    - DTS-EX
    - PCM, PCM2, LPCM2
08. Audio Input : Support Auxiliary Audio (Analog stereo audio)
09. Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
10. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support world wide (9)x control function keys :
    Full function front panel controls :
    ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
15. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	4x inputs To 4x Outputs HDMI Matrix Switch with Audio
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75Gbps bandwidth
Video Input	4x HDMI (HDMI or DVI digital source)
Audio Input	4x Audio (Analog Stereo, AUX port. 3.5mm Jack)
Video Output	4x HDMI (To Destination)
Audio Output	4x S/PDIF:Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio 4x ARC:TV Return Channel Audio. 4x HDMI:Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby DigitalPlus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	1x Ethernet series interface (switch control)t status LEDs indicates presence of a live signal
(17) Function Control Keys	1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 8.Destination button (1) thru (4), 9.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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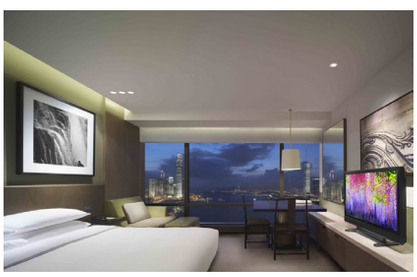
4x4 Matrix Switch with Auxiliary Audio

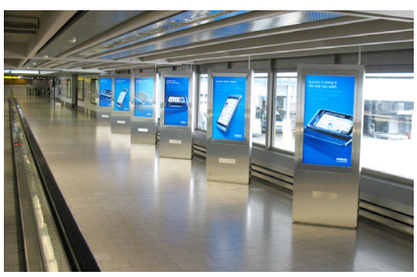
Office

Restaurant

Home Theater



Hotel



Airport

School

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SB-5648LCM

4x8 HDMI Matrix Switcher

Input : 4x HDMI
Output : 8x HDMI + 1 Preview port

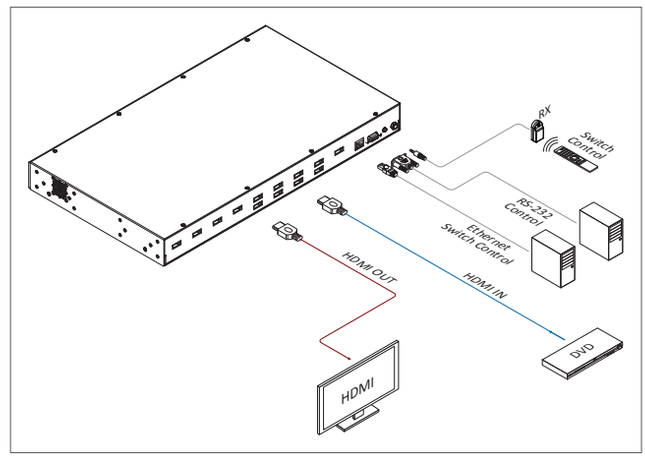
PRO MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5648LCM is high-performance 4x8 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 2.25 Gbps, enabling 1080p HDMI™ formats and UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully HDMI™ and HDCP compliant, with CE, FCC, REACH certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors,projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing. RS-232 or TCP/IP (not a web browser).

DIAGRAM TYPICAL



FEATURES

01. Support (4)x HDMI digital source devices Matrix switched to (8)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats
04. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
06. Support (1) Preview output, Signal as output #1 simultaneously
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Prasma monitor displays or Projector
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key :
    ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8
    A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 3880 mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(4)x inputs To (8)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:250Mhz, Total 2.25Gbps bandwidth
Input	(4)x HDMI (HDMI or DVI digital source)
Output	(8)x HDMI (To 8x Destinations) (1)x HDMI (Preview output:Signal as output #1 simultaneously)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(19) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19" pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5648K

4x8 HDMI Matrix Switcher

Input : 4x HDMI
Output : 8x HDMI + 1 Preview port

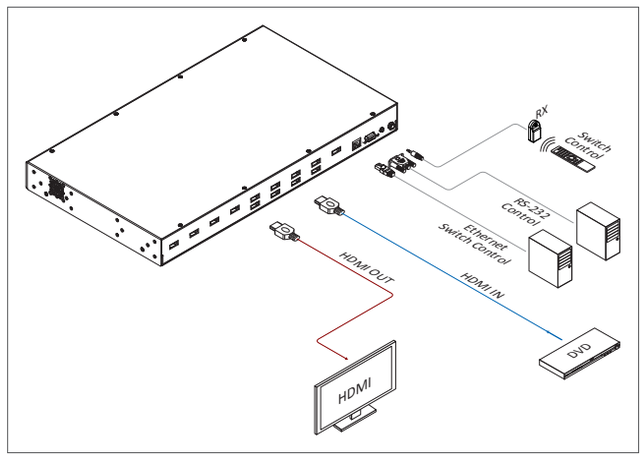
PRO | MATRIX | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-440L

INTRODUCTION

The SB-5648K is high-performance 4x8 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 6.75 Gbps, enabling 4K2K-60Hz HDMI™ formats and UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully HDMI™ V2.0 and HDCP 2.2 compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (4)x HDMI digital source devices Matrix switched to (8)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 4K2K
04. Support link speeds of up to 6.75 Gbps (link clock rate of 340 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p, 4K2K
06. Support (1) Preview output, Signal as output #1 simultaneously
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Prasma monitor displays or Projector,
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key : ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8 A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 3880 mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(4)x inputs To (8)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-@60Hz, 36-bit Deep color, HDMI V2.0 format
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75 Gbps bandwidth
Input	(4)x HDMI (HDMI or DVI digital source)
Output	(8)x HDMI (To 8x Destinations) (1)x HDMI (Preview output:Signal as output #1 simultaneously)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(19) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5682LCM

8x2 HDMI Matrix Switcher

Input : 8x HDMI
Output : 2x HDMI + 1 Preview port

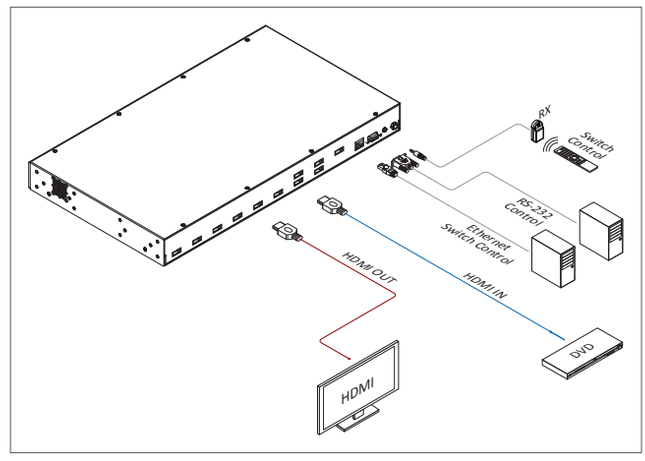
PRO MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5682LCM is high-performance 8x2 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 2.25 Gbps, enabling 1080p HDMI™ formats and UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully HDMI™ and HDCP compliant, with CE,FCC, REACH certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors,projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing. RS-232 or TCP/IP (not a web browser).

DIAGRAM TYPICAL



FEATURES

01. Support (8)x HDMI digital source devices Matrix switched to (2)x HDMI destinations.
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant.
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats.
04. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p.
06. Support (1) Preview output, Signal as output #1 simultaneously.
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2.
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls:
    - Windows based GUI control via RS-232 port.
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface. (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key : ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8 A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 3880 mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(8)x inputs To (2)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 250Mhz, Total 2.25Gbps bandwidth
Input	(8)x HDMI (HDMI or DVI digital source)
Output	(2)x HDMI (To 2x Destinations) (1)x HDMI (Preview output : Signal as output #1 simultaneously)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(17) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (2), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5682K

8x2 HDMI Matrix Switcher

Input : 8x HDMI
Output : 2x HDMI + 1 Preview port

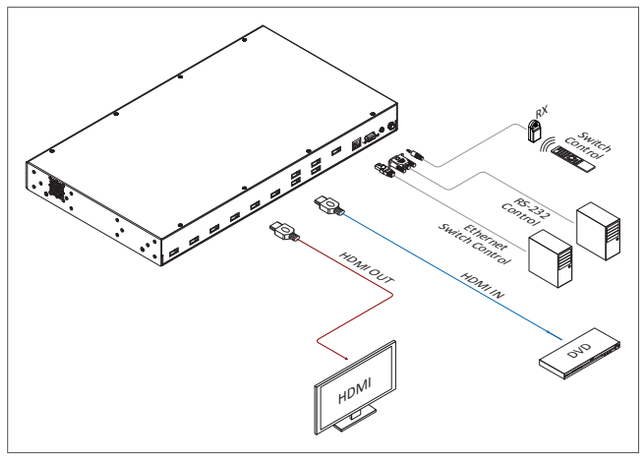
PRO | MATRIX | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-440L

INTRODUCTION

The SB-5682K is high-performance 8x2 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 6.75 Gbps, enabling 4K2K-60Hz HDMI™ formats and UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully HDMI™ V2.0 and HDCP 2.2 compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (8)x HDMI digital source devices Matrix switched to (2)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.2 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 4K2K
04. Support link speeds of up to 6.75 Gbps (link clock rate of 340 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p, 4K2K
06. Support (1) Preview output, Signal as output #1 simultaneously
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key : ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8 A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 3880 mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(8)x inputs To (2)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-@60Hz, 36-bit Deep color, HDMI V2.0 format
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75 Gbps bandwidth
Input	(8)x HDMI (HDMI or DVI digital source)
Output	(2)x HDMI (To 2x Destinations) (1)x HDMI (Preview output : Signal as output #1 simultaneously)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(17) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (2), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5684LCM

8x4 HDMI Matrix Switcher

Input : 8x HDMI
Output : 4x HDMI + 1 Preview port

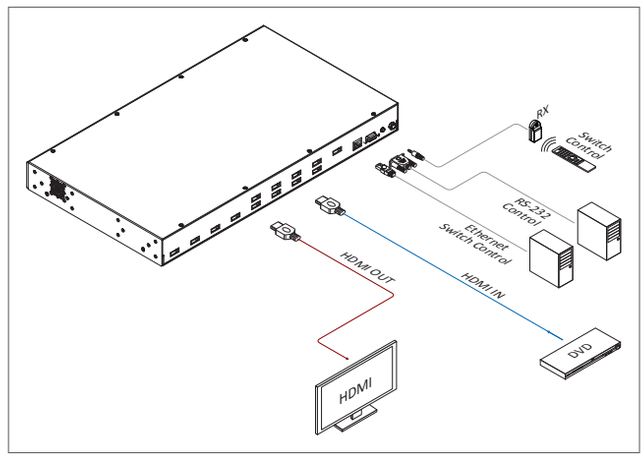
PRO MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5684LCM is high-performance 8x4 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 2.25 Gbps, enabling 1080p HDMI™ formats and UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any outputs simultaneously. The Switcher is certified and fully HDMI™ and HDCP compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via front panel push buttons, IR remote RS-232 or TCP/IP (not a web browser) A RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (8)x HDMI digital source devices Matrix switched to (4)x HDMI destinations.
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant.
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats.
04. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p.
06. Support (1) Preview output, Signal as output #1 simultaneously.
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2.
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls:
    - Windows based GUI control via RS-232 port.
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface. (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key :
    ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8
    A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 3880 mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(8)x inputs To (4)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 250Mhz, Total 2.25Gbps bandwidth
Input	(8)x HDMI (HDMI or DVI digital source)
Output	(4)x HDMI (To 4x Destinations) (1)x HDMI (Preview output:Signal as output #1 simultaneously)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(19) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (4), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5684K

8x4 HDMI Matrix Switcher

Input : 8x HDMI
Output : 4x HDMI + 1 Preview port

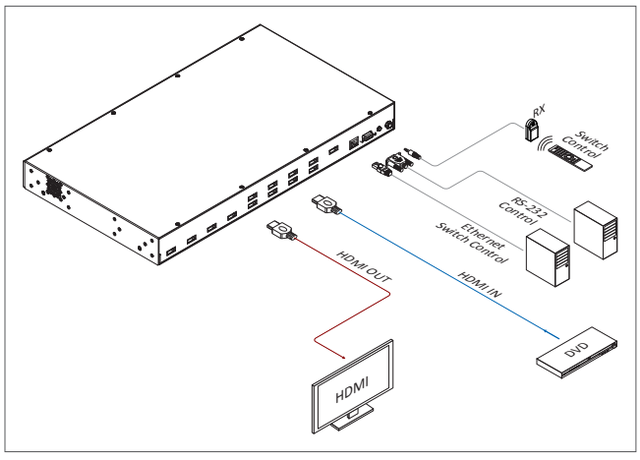
PRO | MATRIX | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-440L

INTRODUCTION

The SB-5684K is high-performance 8x4 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 6.75 Gbps, enabling 4K2K-60Hz HDMI™ formats and UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully HDMI™ V2.0 and HDCP 2.2 compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (8)x HDMI digital source devices Matrix switched to (4)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.2 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 4K2K
04. Support link speeds of up to 6.75 Gbps (link clock rate of 340 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p, 4K2K
06. Support (1) Preview output, Signal as output #1 simultaneously
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key: ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8 A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 3880 mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(8)x inputs To (4)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-@60Hz, 36-bit Deep color, HDMI V2.0 format
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75Gbps bandwidth
Input	(8)x HDMI (HDMI or DVI digital source)
Output	(4)x HDMI (To 4x Destinations) (1)x HDMI (Preview output:Signal as output #1 simultaneously)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(19) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (4), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5685LCM

8x5 HDMI Matrix Switcher

Input : 8x HDMI
Output : 5x HDMI + 1 Preview port

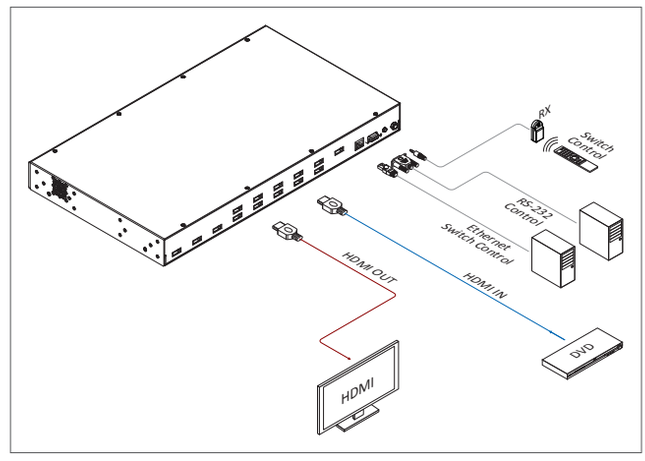
PRO MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5685LCM is high-performance 8x5 matrix routing switcher for HDMI™ signals.This switcher supports data rates up to 2.25 Gbps, enabling 1080p HDMI™ formats and UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully HDMI™ and HDCP compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote RS-232 or TCP/IP (not a web browser). An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (8)x HDMI digital source devices Matrix switched to (5)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit
04. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
06. Support Digital Video TMDS in Deep Color 36 bits, 3D formats
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key :
    ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8
16. A Windows-based control software Driver packaged
17. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
18. Support Lower power consumed full load under 3880 mA
19. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(8)x inputs To (5)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:225Mhz, Total 2.25Gbps bandwidth
Input	(8)x HDMI (HDMI or DVI digital source)
Output	(5)x HDMI (To 5x Destinations)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(20) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (5), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5685K

8x5 HDMI Matrix Switcher

Input : 8x HDMI
Output : 5x HDMI + 1 Preview port

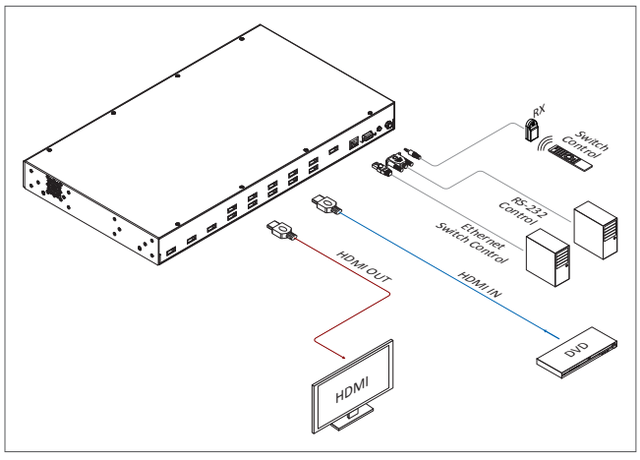
PRO | MATRIX | SWITCHER | 4K2K-60Hz

Ear Rack : 1U-440L

INTRODUCTION

The SB-5685K is high-performance 8x5 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 6.75 Gbps, enabling 4K2K-60Hz HDMI™ formats and UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully HDMI™ V2.0 and HDCP 2.2 compliant, with CE,FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors, projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (8)x HDMI digital source devices Matrix switched to (5)x HDMI destinations
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.2 compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 4K2K
04. Support link speeds of up to 6.75 Gbps (link clock rate of 340 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p, 4K2K
06. Support Digital Video TMDS in Deep Color 36 bits, 3D formats
07. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Support IR Remote and IR Extender with distance 300M Maximum
09. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Ethernet serial interface (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide seven (7) select embedded EDID modes
14. Support seven (7) control function key : ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8
16. A Windows-based control software Driver packaged
17. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
18. Support Lower power consumed full load under 3880 mA
19. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(8)x inputs To (5)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-@60Hz, 36-bit Deep color, HDMI V2.0 format
HDCP / CEC Support	HDCP 2.2 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Input	(8)x HDMI (HDMI or DVI digital source)
Output	(5)x HDMI (To 5x Destinations)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(20) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (5), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5688LCM

8x8 HDMI Matrix Switcher

Input : 8x HDMI
Output : 8x HDMI + 1 Preview port

PRO MATRIX SWITCHER

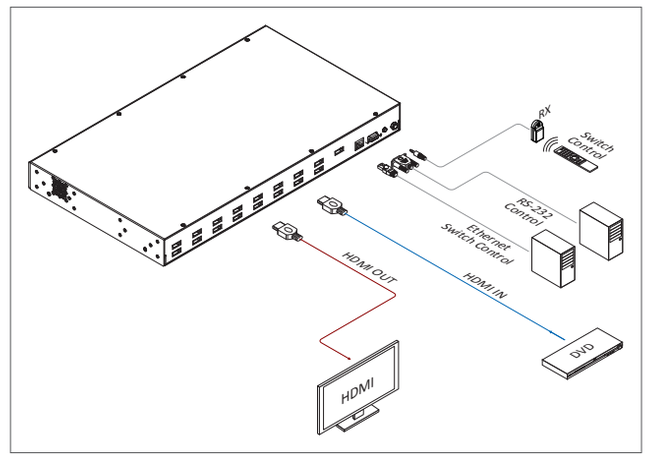
Ear Rack : 1U-440L

03

INTRODUCTION

The SB-5688LCM is high-performance 8x8 matrix routing switcher for HDMI™ signals. This switcher supports data rates up to 2.25 Gbps, enabling 1080p HDMI™ formats and UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully HDMI™ and HDCP compliant, with CE,FCC, REACH certification. Support high resolution HDMI™ sources routed to HDMI™ displays, monitors,projector or audio receivers. The EDID can be selected between seven (7) different modes and learning mode. Control is provided via Front panel push buttons, IR remote RS-232 or TCP/IP (not a web browser). An RS-232 Windows GUI interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support (8)x HDMI digital source devices Matrix switched to (8)x HDMI destinations.
02. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant.
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats.
04. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p.
06. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
07. Support IR Remote and IR Extender with distance 300M Maximum
08. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
09. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
10. Direct selection and confirm via Front push buttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Supports seven (7) worldwide standard embedded EDID modes
13. Support seven (7) control function key : ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
14. Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8 A Windows-based control software Driver packaged
15. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
16. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	(8)x inputs To (8)x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 250Mhz, Total 2.25Gbps bandwidth
Input	(8)x HDMI (HDMI or DVI digital source)
Output	(8)x HDMI (To 4x Destinations)
Switch Controls	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS-232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(23) Function Control Keys	ALL, OFF, RECALL, ENTER, MEMORY, LOCK, EDID, Destination button (1) thru (8), Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5688K

8x8 HDMI Matrix Switcher

Input : 8x HDMI
Output : 8x HDMI + 1 Preview port

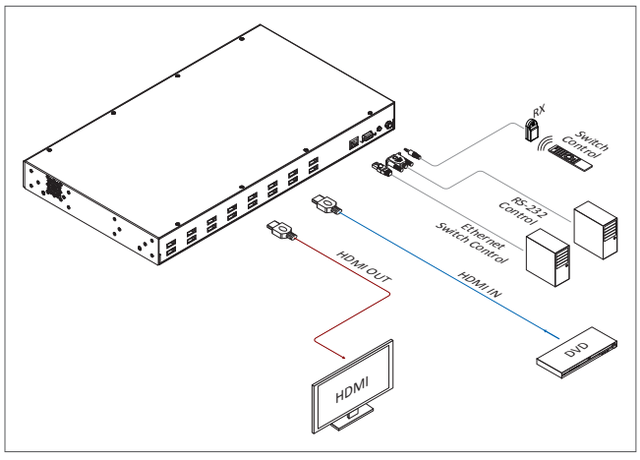
PRO MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5688K is professional 8x8 matrix routing switch. Supporting eight (8) HDMI™ Inputs. Output supported (8) HDMI™ port. The SB-5688K is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (8) Inputs to (8) outputs. The Switcher is certified as being fully CEC and HDCP 1.3 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. (8)x HDMI source devices matrix switched to (8)x HDMI output destinations
02. HDMI digital Video TMDS with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV / DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX PCM, PCM2, LPCM2.
08. Audio Input : Support HDMI standard multi-channel digital audio.
09. Audio Output : Support HDMI standard multi-channel digital audio.
10. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support seven (7) control function key :
    ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
15. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	8x inputs To 8x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Input	8x HDMI (HDMI or DVI digital source)
Output	8x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(23) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5688AK

8x8 HDMI Matrix Switch with Auxiliary Audio

Input : 8x HDMI, 8x AUX
Output : 8x HDMI, 8x S/PDIF or ARC

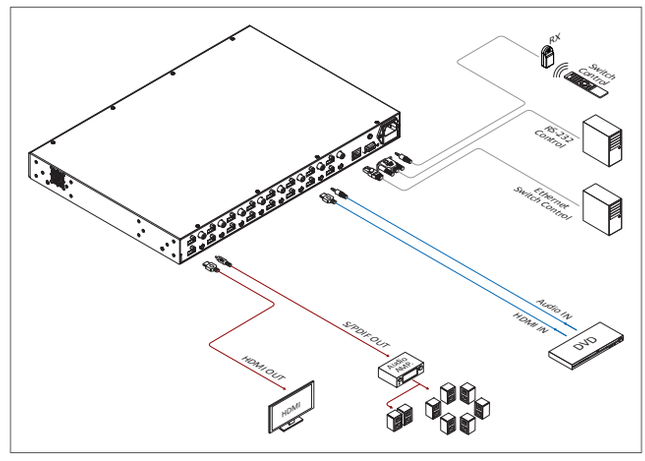
S/PDIF | ARC | AUXILIARY | PRO | MATRIX | SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5688AK is professional 8x8 matrix routing switch. Supporting eight (8) HDMI™ Inputs and (8) Auxiliary Audio Inputs. Output supported (8) HDMI™ and (8) S/PDIF audio. The SB-5688AK is based on the HDMI™ standard and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (8) Inputs to (8) outputs. The Switcher is certified as being fully CEC , ARC and HDCP 1.3 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/ WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5688AK has 1x HDMI™ and Auxiliary Audio (analog stereo audio) connector for Input, effectively making this an 8 in x8 out switcher. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. (8)x HDMI with Auxiliary Audio (Analog Audio) source devices matrix switched to (8)x HDMI with S/PDIF output destinations
02. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV / DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2.
08. Audio Input : Support Auxiliary Audio (Analog stereo audio)
09. Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
10. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support world wide (9)x control function keys :
    Full function front panel controls :
    ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
15. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	8x inputs To 8x Outputs HDMI Matrix Switch with Audio and Extension
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	8x HDMI (HDMI or DVI digital source)
Audio Input	8x Audio (Analog Stereo, AUX port. 3.5mm Jack)
Video Output	8x HDMI (To Destination)
Audio Output	8x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio 8x ARC : TV Return Channel Audio 8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(25) Function Control Keys	1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10. Destination button (1) thru (8), 11.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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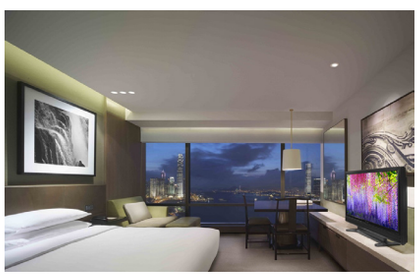
8x8 Matrix Switch with Auxiliary Audio

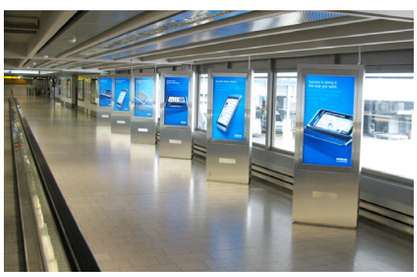
Office

Restaurant

Home Theater



Hotel



Airport

School

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SB-5669K

16x16 HDMI Matrix Switcher

Input : 16x HDMI
Output : 16x HDMI

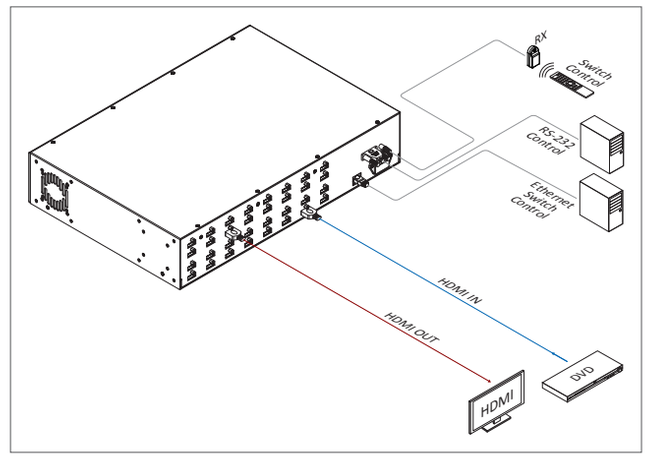
PRO MATRIX SWITCHER

Ear Rack : 2U-440L

INTRODUCTION

The SB-5669k is professional 16x16 matrix routing switch. Supporting sixteen (16) HDMI™ Inputs. Output supported (16) HDMI™ ports. The SB-5669k is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (16) Inputs to (16) outputs. The Switcher is certified as being fully CEC and HDCP 1.3 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA / WUXGA / DVI 1920x1200 resolution to any HD displays. The SB-5669K has 1x HDMI™ connector for Input, effectively making this an 16 in x16 out switcher. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. (16)x HDMI source devices matrix switched to (16)x HDMI output destinations
02. HDMI digital Video TMDS with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/ DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Audio Input : Support HDMI standard multi-channel digital audio
09. Audio Output : Support HDMI standard multi-channel digital audio
10. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support world wide (7)x control function keys :
    Full function front panel controls : ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
15. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	16x inputs To 16x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Input	16x HDMI (HDMI or DVI digital source)
Output	16x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(39) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (16), 9.Source button (1) thru (16)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5645CT

4x4 HDMI HDBaseT Matrix Switcher

Input : 4x HDMI
Output : 4x HDMI, 4x HDBaseT

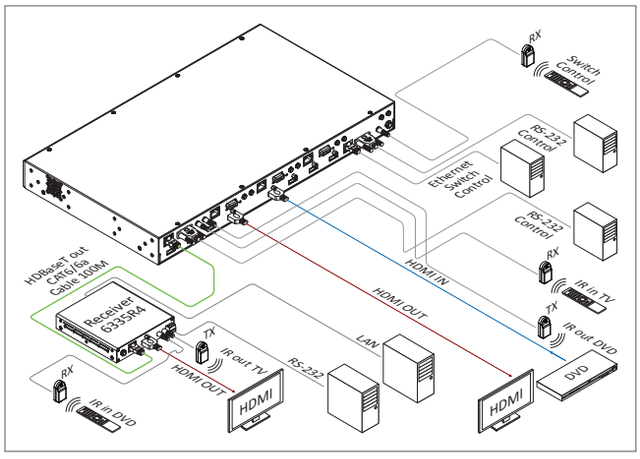
CAT5e/6 MATRIX SWITCHER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5645CT is high-performance 4x4 matrix routing switcher for HDMI™ input, HDMI™ and CAT5e/6 output signals simultaneously. Switcher supports Bandwidth 225MHz, HDMI™ 1.4a 3D formats, data rates up to 2.25 Gbps, UXGA / WUXGA / DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously.
The Switcher is certified and fully HDMI™ and HDCP 1.3 compliant, with CE, FCC certification. Support high resolution HDMI™ sources routed to HDMI™ displays, HDMI™ monitors, HDMI™ projectors or audio receivers. Support CAT5e/CAT6 and HDMI™ outputs simultaneously. CAT5e/6 connection on each output extends the HDMI™ signal to remote room via CAT5e/6 HDMI™ Receiver SB-6335R. The EDID can be selected between eight (8) different modes via source row. Control is provided via the front panel push buttons, IR remote, IR Ext. or via RS-232. A RS-232 interface is provided for matrix routing.

DIAGRAM TYPICAL



FEATURES

01. Support 4x HDMI digital source devices Matrix to 4x HDMI and 4x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 2.25 Gbps (link clock rate of 225MbHz), Support 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
06. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
09. Support world wide eight seven (7)x control function keys :
    Full function front panel controls : ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
10. Supports seven (7) worldwide standard embedded EDID modes
11. Automatic scanning input & output status via LCM show on front panel
12. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
13. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	4x inputs To 4x Outputs HDMI over HDBaseT Matrix Switch
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio over one CATx cable
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 225Mhz, Total 2.25Gbps bandwidth
Video Input	4x HDMI (HDMI or DVI digital source)
Audio Input	4x HDMI (To Destination)
Video Output	4x HDMI, 4x HDBaseT Transmitter with via category cable & RJ-45 connector
Audio Output	4x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
HDBaseT Control In	4x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control Out	4x IR out, 1x ALL, IR, out (Send IR Signals from Room)
HDBaseT Control I/O	4x RS-232 I/O (Control 4x Rooms RS-232 via Switcher HDBaseT Extender Tx)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 4x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(15) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (4), 11.Source button (1) thru (4)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extender Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5688CT

8x8 HDMI HDBaseT Matrix Switcher

Input : 8x HDMI
Output : 8x HDMI, 8x HDBaseT

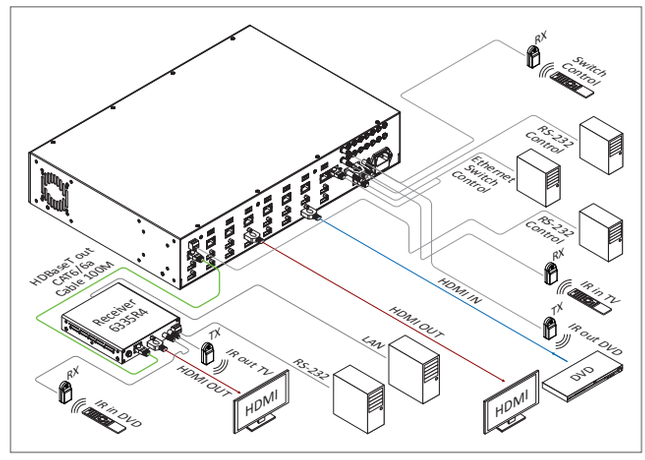
CAT5e/6 MATRIX SWITCHER

Ear Rack : 2U-440L

INTRODUCTION

The SB-5688CT is a professional 8x8 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (8)HDMI™ inputs, (8)HDMI™ outputs and (8)HDBaseT™ Transmitter. High definition digital signals can be selected and distributed to any (8)inputs to (16)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.3 and HDCP 1.3 compliant, data rate up to 2.25Gbps with signal bandwidth 225MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 1080p. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support 8x HDMI digital source devices Matrix to 8x HDMI and 8x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 2.25 Gbps (link clock rate of 340MbHz), Support HDMI 1080P, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
06. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Audio Input : Support Standard HDMI Multi-channel Audio (Digital audio)
09. Audio Output : Support Standard HDMI Multi-channel Audio (Digital audio)
10. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support Seven (7) worldwide control function keys :
    Full function front panel controls :
    ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
15. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	8x inputs To 8x Outputs HDMI-HDBaseT Matrix Switch
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio over one CATx cable
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 225Mhz, Total 2.25Gbps bandwidth
Video Input	8x HDMI (HDMI or DVI digital source)
Video Output	8x HDMI (To Destination)
Audio Output	8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
HDBaseT Control in	8x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control out	8x IR out, 1x ALL, IR, out (Send IR Signals from Room)
HDBaseT Control I/O	8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 8x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(23) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extend Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5688CK/SB-5688CKP

8x8 HDMI HDBaseT Matrix Switcher (PoH)

Input : 8x HDMI
Output : 8x HDMI, 8x HDBaseT (PoH)

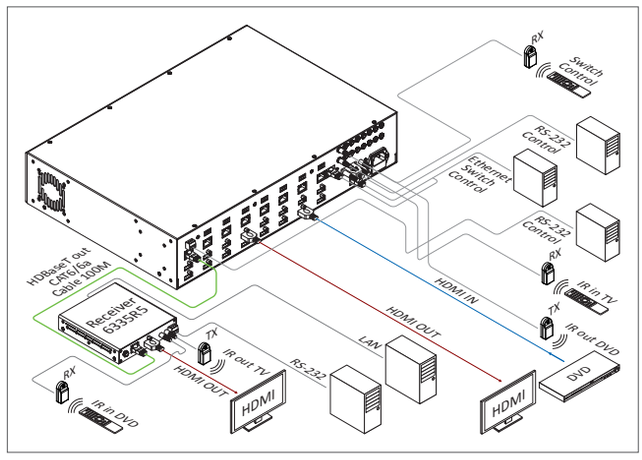
PRO MATRIX SWITCHER

Ear Rack : 2U-440L

INTRODUCTION

The SB-5688CK/SB-5688CKP is a professional 8x8 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (8)HDMI™ inputs, (8)HDMI™ outputs and (8)HDBaseT™ Transmitter with POH outputs(SB-5688CKP only). High definition digital signals can be selected and distributed to any (8)inputs to (16)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support 8x HDMI digital source devices Matrix to 8x HDMI and 8x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions
06. 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
07. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
08. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
09. Audio Input : Support Standard HDMI Multi-Channel Audio (Digital audio)
10. Audio Output : Support Standard HDMI Multi-Channel Audio (Digital audio)
11. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
12. Support Seven (7) worldwide control function keys :
    Full function front panel controls : ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
13. Supports seven (7) worldwide standard embedded EDID modes
14. Automatic scanning input & output status via LCM show on front panel
15. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
16. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
17. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	8x inputs To 8x Outputs HDMI-HDBaseT Matrix Switch
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio over one CATx cable
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	8x HDMI (HDMI or DVI digital source)
Video Output	8x HDMI (To Destination) 8x HDBaseT Transmitter with PoH via category cable & RJ-45 connector
Audio Output	8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
HDBaseT Control in	8x IR in, (Send IR Signals to Room)
HDBaseT Control out	8x IR out, (Send IR Signals from Room)
HDBaseT Control I/O	8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 8x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS-232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(23) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (8)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extend Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5669CK/SB-5669CKP

16x16 HDMI HDBaseT Matrix Switch (PoH)

Input : 16x HDMI
Output : 16x HDMI, 16x HDBaseT (PoH)

PRO MATRIX SWITCHER

Ear Rack : 4U-440L

INTRODUCTION

The SB-5669CK/SB-5669CKP is a professional 16x16 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (16)HDMI™ inputs, (16)HDMI™ outputs and (16)HDBaseT™ Transmitter with PoH (SB-5669CKP only). High definition digital signals can be selected and distributed to any (16)inputs to (32)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

FEATURES

01. (16)x HDMI player devices matrix switched to (16)x HDMI and (16)x HDBaseT Transmitter(PoE) output to (32)x destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Audio Input : Support Standard HDMI Multi-Channel Audio (Digital audio)
09. Audio Output : Support Standard HDMI Multi-Channel Audio (Digital audio)
10. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support world wide (7)x control function keys :
    Full function front panel controls :
    ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
15. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
16. Support Universal power adaptor AC100V~240V, 50/60Hz

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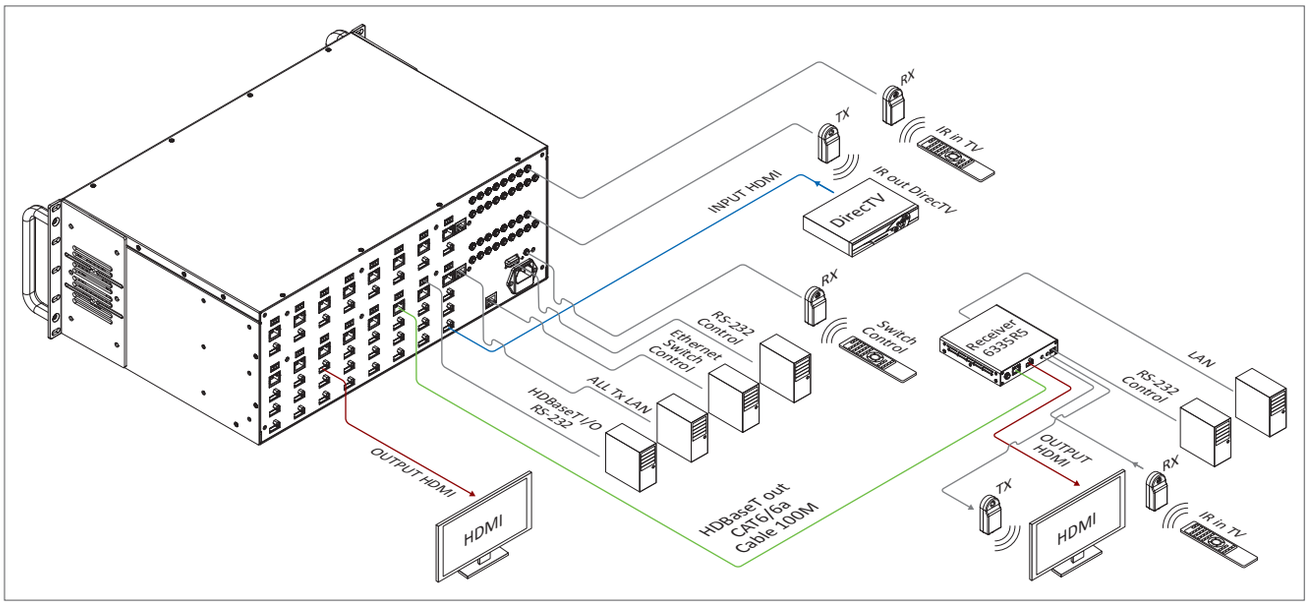
DIAGRAM TYPICAL



SPECIFICATIONS

Type of HDMI Switcher	16x inputs To 16x Outputs HDMI over HDBaseT Matrix Switch
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE. over one CATx cable
PoH Support	HDBaseT Transmitter Power 48VDC Over category cable PoH supported
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	16x HDMI (HDMI or DVI digital source)
Video Output	16x HDMI (To Destination) 8x HDBaseT Transmitter with PoH via category cable & RJ-45 connector
Audio Output	16x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master (PCM-2CH)
HDBaseT Control in	16x IR in, (Send IR Signals to Room)
HDBaseT Control out	16x IR out, (Send IR Signals from Room), 2x LAN
HDBaseT Control I/O	16x RS-232 I/O (Control 16x Rooms RS-232 via Switcher HDBaseT Extender Tx)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 16x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(39) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (16), 9.Source button (1) thru (16)
Infrared Frequency	38 Khz
HDMI Booster	1080p up to ~98feet(30M) & 4K2K up to ~66feet(20M)
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extender Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 4U High Rack Mount Bracket (4U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 6.92" (442mm x 303mm x 176mm)
Weight	6.4 kg / 14.1 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5645CAK/SB-5645CAP

4x4 HDMI HDBaseT Matrix Switch with Auxiliary Audio (PoH)

Input : 4x HDMI, 4x AUX
Output : 4x HDMI, 4x S/PDIF or ARC, 4x HDBaseT (PoH)

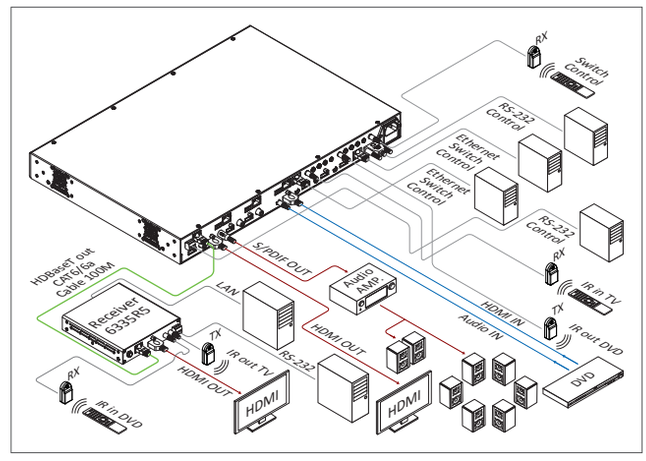
PRO | MATRIX | SWITCHER | S/PDIF | ARC | AUXILIARY

Ear Rack : 1U-440L

INTRODUCTION

The SB-5645CAK/SB-5645CAP is a professional 4x4 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (4)HDMI™ inputs and (4) Auxiliary Audio inputs. Output supported (4)HDMI™ outputs, (4)S/PDIF Audio and and (4) HDBaseT™ Transmitter with POH outputs(SB-5645CAP only). High definition digital signals can be selected and distributed to any (4)inputs to (8)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support 4x HDMI digital source devices Matrix to 4x HDMI and 4x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Audio Input : Support Auxiliary Audio (Analog stereo audio)
09. Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
10. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support world wide (9)x control function keys :
    Full function front panel controls :
    ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
15. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
16. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	4x inputs To 4x Outputs HDMI over HDBaseT Matrix Switch with Audio and Extension
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio, LAN and PoH. over one CATx cable
PoE Support	HDBaseT Transmitter Power 48VDC Over category cable PoH supported
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	4x HDMI (HDMI or DVI digital source)
Audio Input	4x Audio (Analog Stereo, AUX port. 3.5mm Jack)
Video Output	4x HDMI (To Destination) 4x HDBaseT Transmitter with via category cable & RJ-45 connector
Audio Output	4x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio 4x ARC : TV Return Channel Audio 4x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD,Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
HDBaseT Control In	4x IR in, (Send IR Signals to Room)
HDBaseT Control Out	4x IR out, (Send IR Signals from Room), 1x LAN
HDBaseT Control I/O	4x RS-232 I/O (Control 4x Rooms RS-232 via Switcher HDBaseT Extender Tx)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 4x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(17) Function Control Keys	1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10.Destination button (1) thru (4), 11.Source button (1) thru (4)
Infrared Frequency	38 Khz
HDMI Booster	1080p up to~98feet(30M) & 4K2K up to~66feet(20M)
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extender Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5688CAK/SB-5688CAP

8x8 HDMI HDBaseT Matrix Switch with Auxiliary Audio (PoH)

Input : 8x HDMI, 8x AUX
Output : 8x HDMI, 8x S/PDIF or ARC, 8x HDBaseT (PoH)

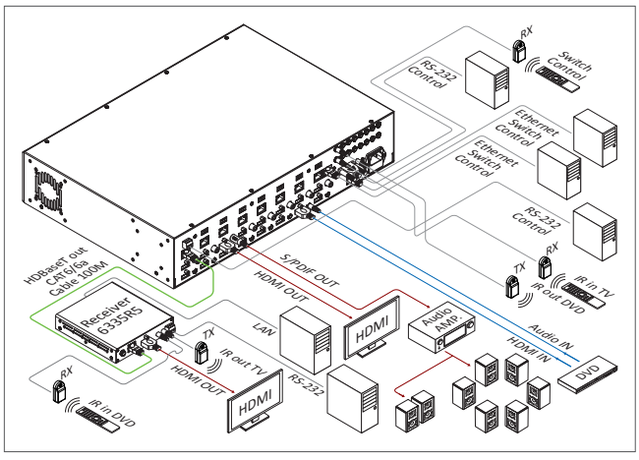
PRO | MATRIX | SWITCHER | S/PDIF | ARC | AUXILIARY

Ear Rack : 2U-440L

INTRODUCTION

The SB-5688CAK/SB-5688CAP is a professional 8x8 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (8)HDMI™ inputs and (8) Auxiliary Audio inputs. Output supported (8)HDMI™ outputs, (8)S/PDIF Audio and and (8) HDBaseT™ Transmitter with POH outputs(SB-5688CAP only). High definition digital signals can be selected and distributed to any (8)inputs to (16)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support 8x HDMI digital source devices Matrix to 8x HDMI and 8x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 and Ethernet signals via single CATx cable
03. HDMI digital Video with embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV / DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Audio Input : Support Auxiliary Audio (Analog stereo audio)
09. Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
10. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
11. Support world wide (9)x control function keys :
    Full function front panel controls :
    ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
15. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
16. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	8x inputs To 8x Outputs HDMI over HDBaseT Matrix Switch with Audio and Extension
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE. over one CATx cable
PoH Support	HDBASET Transmitter Power 48VDC Over category cable PoH supported
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	8x HDMI (HDMI or DVI digital source)
Audio Input	8x Audio (Analog Stereo, AUX port. 3.5mm Jack)
Video Output	8x HDMI (To Destination) 8x HDBaseT Transmitter with PoH via category cable & RJ-45 connector)
Audio Output	8x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio 8x ARC : TV Return Channel Audio 8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
HDBaseT Control In	8x IR in, (Send IR Signals to Room)
HDBaseT Control Out	8x IR out, (Send IR Signals from Room), 1x LAN
HDBaseT Control I/O	8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 8x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(25) Function Control Keys	1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10.Destination button (1) thru (8), 11.Source button (1) thru (8)
Infrared Frequency	38 Khz
HDMI Booster	1080p up to ~98feet(30M) & 4K2K up to ~66feet(20M)
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extend Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	AC 100~240V 50/60Hz

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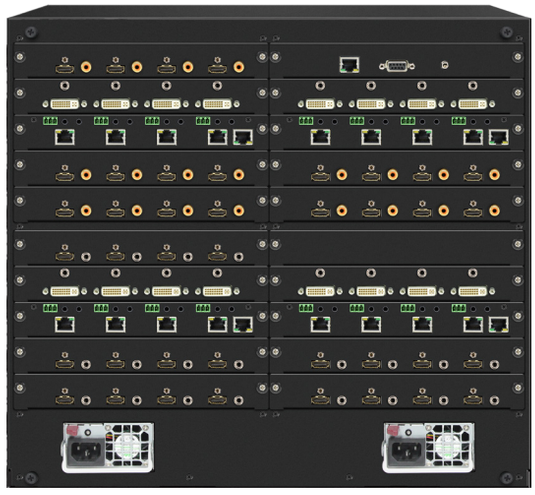
SB-5800

36x36 Modular Matrix Switcher

Input : 8x Modular (4x Ports Input Type)
Output : 8x Modular (4x Ports Output Type)

PRO MATRIX SWITCHER



Ear Rack : 9U-440L

INTRODUCTION

The SB-5800 is professional 36x36 matrix routing switch with Scaler. Supporting (36)in to (36) out with (4) ports in one modular. Support 4x HDMI™+Audio, 4x DVI+Audio, 4x HDBaseT™, 4x CV/Comp./VGA+Audio, 4x SDI, 4x Coax(DTV) output, 4xIP(0utput) and 4x Fiber(output). SB-5800 is based on the HDMI™ standard and supports full HDMI™ Video resolution with (7) embedded EDID and HDBaseT™ support PoH function(output), Audio, RS-232, Ethernet and bi-directional IR, all over a single CATx category cable. Signal bandwidth 340Mhz (4K2K) 30FPS, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (36) Inputs to (36) outputs simultaneously. The switcher is certified as being fully CEC , ARC and HDCP 1.3 compliant. Support full HD HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps 4K2K (30fps). Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. SB-5800 support has Auxiliary Audio, ARC control, and S/PDIF output. Also support two redundant power, one is for standard input/output usage and another is for full POH outputs support. The EDID management can be selected between seven (7) different modes. Controls are provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

SIZE

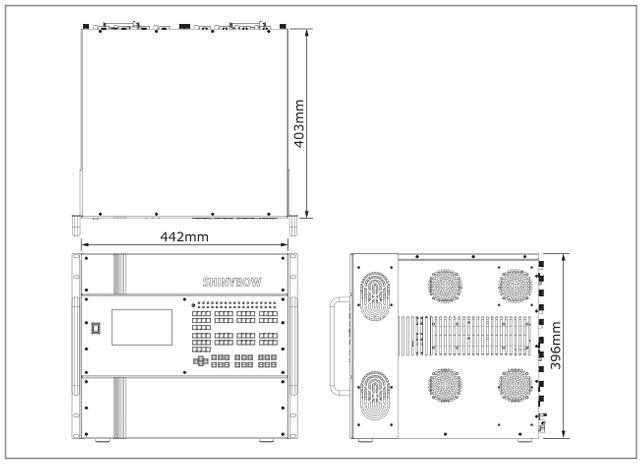
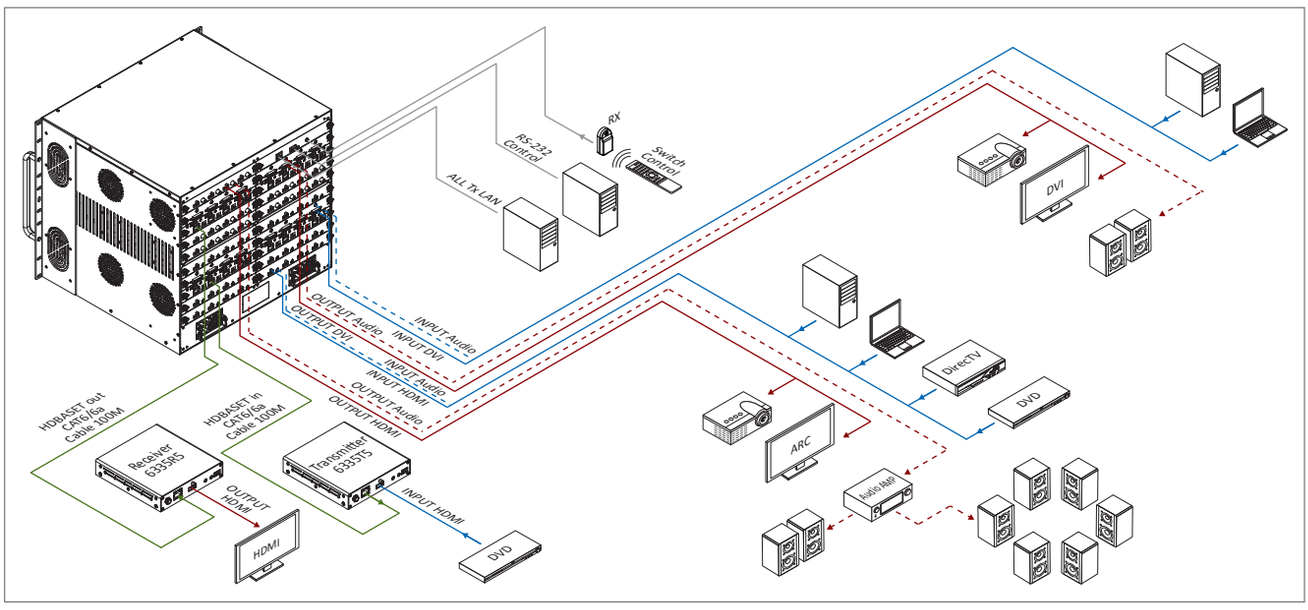


DIAGRAM TYPICAL



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FEATURES

01. (36) source devices matrix switched to (36)x destination display devices
02. Support (4) ports input and output in one modular. Application 4x HDMI+Audio, 4x DVI+Audio, 4x HDBASET, 4x Composite Video-Component Video/VGA+Audio, 4x SDI, 4x Coax(DTV) output, 4xIP(output) and 4x Fiber
03. Switcher link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), 4K2K (30Hz) 30fps
04. HDBaseT support Transmitter/Receiver, Multi Audio Format and HD Video/ Audio 4K2K Signals, HDBaseT over one CATx (6/6a/7) category cable
05. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS-232 controller (via simple ASCII)
06. Support world wide (7) control function keys :
07. Full function front panel controls:
    ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
08. Support EDID modes :
    a. Embedded EDID modes :
       FSS / H24-3D / H24-3D-M / H36-3D / H36-3D-M / 4K2K-3D / DVI-D 1920x1200-60Hz
    b. External modes : Learning mode-1 & Learning mode-2
09. Automatic scanning input & output status via LCM show on front panel
10. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
11. Support switch IR Remote Extender with distance up to ~ 984 feet (300M) Maximum. Support two redundant powers
12. Support universal power AC100V~240V, 50/60Hz in reserve

CONSOLE INFORMATION

Switcher	Standard 19 inch Rack Mount (482mm)
high : (H)	H=9U (396mm) high
wide : (W)	W=17.4 inch (442mm)
Depth : (D)	D=15.87 inch (403mm)
Ear Rack Mount	H=9U (396mm) high, W=3.86 inch (98mm)
Input Modualr support	Total 9x Moldulars
HDMI+Audio	4x HDMI+Audio
HDBaseT	4x HDBaseT
DVI+Audio	4x DVI+Audio
Video/Component/VGA/Audio	4x Video/Component/VGA+Audio
SDI	4x SDI
Fiber	4x Fiber
Over IP extender	4x Over IP extender
DTV channel Mixer Over Coax	4x DTV channel Mixer Over Coax
Output Modualr support	Total 9x Moldulars
HDMI+Audio	4x HDMI+Audio
HDBaseT	4x HDBaseT
DVI+Audio	4x DVI+Audio
Video/Component/VGA/Audio	4x Video/Component/VGA+Audio
SDI	4x SDI
Fiber	4x Fiber
Over IP extender	4x Over IP extender
DTV channel Mixer Over Coax	4x DTV channel Mixer Over Coax
Switch control moduar	1x Switch control modular
Power support	2x Power modular

SPECIFICATIONS

Type of Switcher	(36)x inputs To (36)x Outputs Matrix Switch with (4) ports per one Modular
Video Bandwidth	Double Data Rates : 340Mhz, 6.75Gbps bandwidth
HDMI Support	HDMI 4K2K(24/30Hz), 1080P-@60Hz, 3D of HDMI V1.4 formats. HD : 480i / 480p / 720p / 1080i/p and 4K2K (3860x2160) up to 36bit deep color. HDCP 1.3 Compliant, CEC Compliant
DVI Support	DVI digital Video with DVI format. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200. Digital Video TMDS formats. Support stereo audio
HDBaseT Support	HDBaseT bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE(Tx). over one CATx category cable
Video Input	36 inputs with 4 ports multi format modular cards
Video Output	36 outputs with 4 ports multi format modular cards
Audio Output	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
HDBaseT Control in	36x IR in (Send IR signals To 16x Rooms via HDBaseT Transmitter)
HDBaseT Control out	36x IR out (Link to Receive IR signals from 36x Rooms via HDBaseT Extender)
HDBaseT Controls	36x RS-232 I/O (Control 36x Rooms RS-232 via Switcher HDBaseT Extender Tx) Maximun 9x LAN (Switch1-4, 5-8, 9-12, 13-16, 17-20, 21-24, 25-28, 29-32 & 33~36 output port HDBaseT Transmitter Ethernet link to HDBaseT Receivers)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 36x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
Function Keys	ALL, OFF, RECALL, ENTER, MEMORY, LOCK, EDID, AUX, ARC, MENU, HDBT, PiP/PoP, SW, VM, CH SELECT, RESOLUTION, RESET, ZOOM, TV SYS, IP CH, UP, DOWN, RIGHT, LIFT, Destination button (1) thru (36), Source button (1) thru (36)
EDID management	Select Embedded EDID modes : Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz Select Single Learning mode-1 or Multiple Learning mode-2 Learning Destination EDID To Link Source
Learning Mode	Learning Destination EDID To Link Source
Infrared Frequency	38 Khz
HDMI Booster	1080p up to~98feet (30M) & 4K2K up to~66feet (20M)
IR Distance	~984 feet / 300 meters maximum
HDBT Distance	~328 feet / 100 meters maximum
HDMI I/O	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 9U High Rack Mount Bracket (9U-440L)
Dimension (WxDxH)	17.4" x 15.8" x 15.5" (442mm x 403mm x 396mm)
Weight	45 kg / 99.2 lb
Power Supply	AC 100~240V 50/60Hz

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MODULAR TYPE (INPUT)

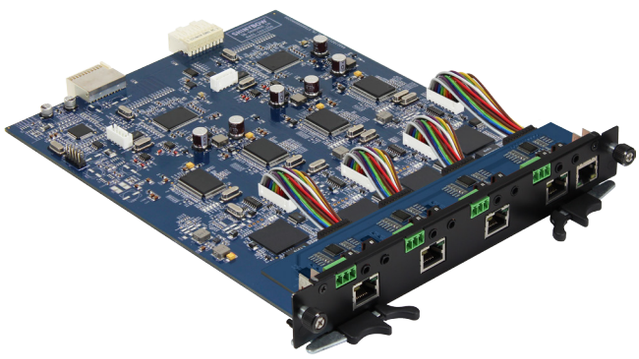
R-4HDMI-A

(4)x HDMI inputs modular specification :

Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz). Support HDMI™ 1.4a 3D formats, CEC/HDCP 1.3 compliant. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. Supports

HDMI Digital Audio input Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

Analog Auxiliary Audio In Support :
Standard Steroeo Audio (Digital audio)



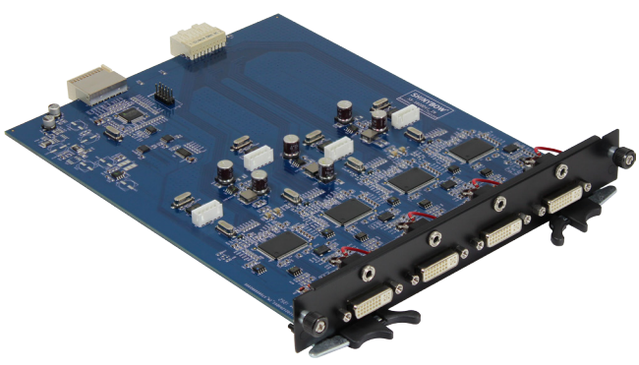
R-4HDBT

(4)x HDMI inputs modular specification :

HDBaseT™ with embedded HDMI™ 4K2K, 1.4a 3D formats. HDCP, DVI format and CEC/HDCP 1.3 compliant. Wide range of HD resolutions from HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz). Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. Extend HDMI™ signal up to 330ft(100M)

HDBaseT Digital Audio input Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

Controls Support :
IR (in/out), RS-232 (i/o) and LAN (i/o)



R-4DVI-A

(4)x DVI with Audio inputs modular specification :

Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit

DVI Audio input Support :
Standard Steroeo Audio (PCM-2CH)

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MODULAR TYPE (OUTPUT)

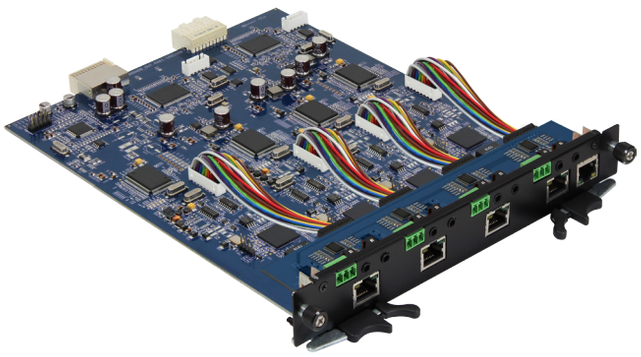
T-4HDMI-A

(4)x HDMI outputs modular specification :

Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz). Support HDMI™ 1.4a 3D formats, CEC/HDCP 1.3 compliant. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. S/PDIF support digital audio output or ARC(Audio Return Channel) output. Cable length is 1080p 30M and 4K2K 20M

HDMI Digital Audio output Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

S/PDIF Support :
Standard HDMI Dolby Digital 5.1 (Digital audio PCM, PCM2, LPCM2)



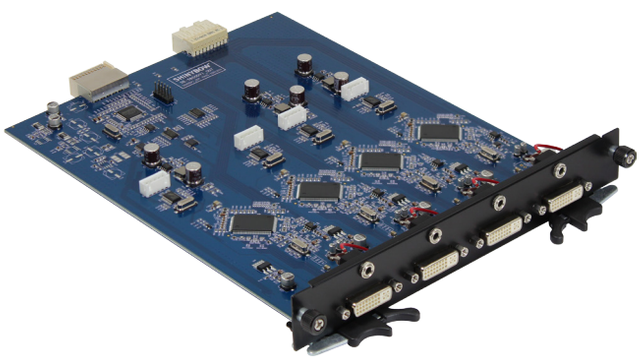
T-4HDBT

(4)x HDMI outputs modular specification :

HDBaseT™ with embedded HDMI™ 4K2K, 1.4a 3D formats. HDCP, DVI format and CEC/HDCP 1.3 compliant. Wide range of HD resolutions from HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz). Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. Transmitter (Tx) support POE (48V). Extend HDMI™ signal up to 330ft(100M)

HDBaseT Digital Audio output Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

Controls Support :
IR (in/out), RS-232 (i/o) and LAN (i/o)



T-4DVI-A

(4)x DVI with Audio outputs modular specification :

Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit

DVI Audio output Support :
Standard Stereo Audio (PCM-2CH)

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SB-5652

1x2 HDMI Distribution Amplifier

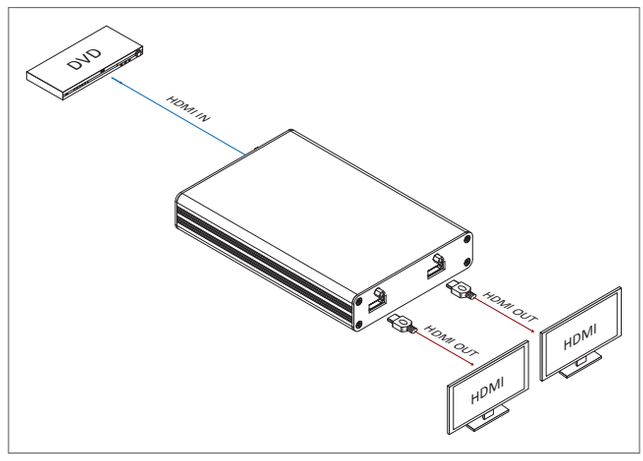
Input : 1x HDMI
Output : 2x HDMI

Distributor

INTRODUCTION

The SB-5652 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1 input and 2 outputs, the distributor supports data rates up to 2.25 Gbps and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance, control one inputs to 2 outputs. This product is certified, and fully HDMI™ and HDCP compliant. This product is also with CE, FCC compliant. Support high resolution quality HDMI™ source to HDMI™ displays, monitors or projectors.

DIAGRAM TYPICAL



FEATURES

01. Support 1x HDMI digital A/V device Amplifier to 2x HDMI monitors
02. HDMI digital video/audio format, DVI format and HDCP compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. HDTV compatible and HDCP compliant

SPECIFICATIONS

Type of Amplifier	1x2 HDMI Distribution Amplifier
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1920x1200 resolution
Data Rates	250Mbps to 2.25 Gbps
Pixel clocks	25MHz to 225MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Safety Approvals	CE, FCC
Dimension (WxDxH)	4.44" x 5.70" x 1.14" (113mm x 145mm x 29mm)
Weight	0.45 kg / 0.99 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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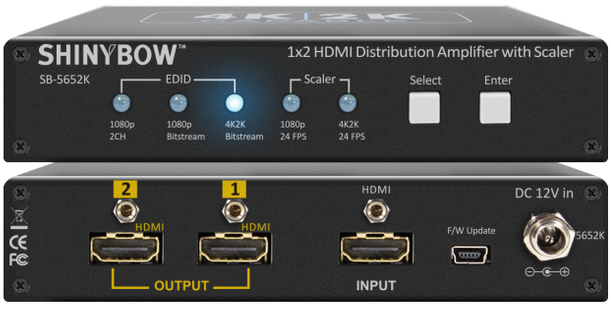
SB-5652K

1x2 HDMI Distribution Amplifier with Scaler

Input : 1x HDMI
Output : 2x HDMI

PRO | EDID | SCALER | BOOSTER

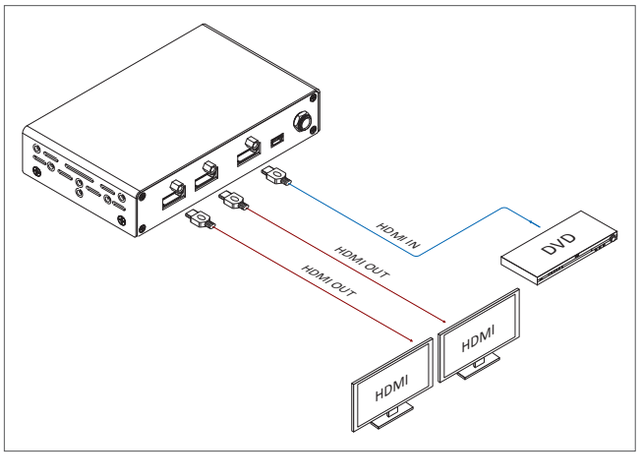


Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-5652K is professional 1x2 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input, two (2) HDMI™ outputs. The SB-5652K is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (2) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 1.4 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA / WUXGA / DVI 1920x1200 resolution to any HD displays. The SB-5652K has 1x HDMI™ connector for Input, effectively making this an (1) in x(2) out distributor. The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons.

DIAGRAM TYPICAL



FEATURES

01. (1)x HDMI 4K2K source device distributed to (2)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS with embedded HDCP, DVI format and CEC/ HDCP 1.4 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit
07. EDID supports : Embedded EDID modes
    - Mode (1) : 1080p - 2CH
    - Mode (2) : 1080p - Bitstream
    - Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio
10. Audio Output : Support HDMI standard multi-channel digital audio
11. Various User Interface controls: Front Panel push button
12. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
13. Support Universal power adaptor Power input AC90V~AC240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 2x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	2x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler down : 1080p-24Hz 2. Scaler up : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 3.14" x 1.06" (130mm x 80mm x 27mm)
Weight	0.25 kg / 0.55 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5654

1x4 HDMI Distribution Amplifier

Input : 1x HDMI
Output : 4x HDMI

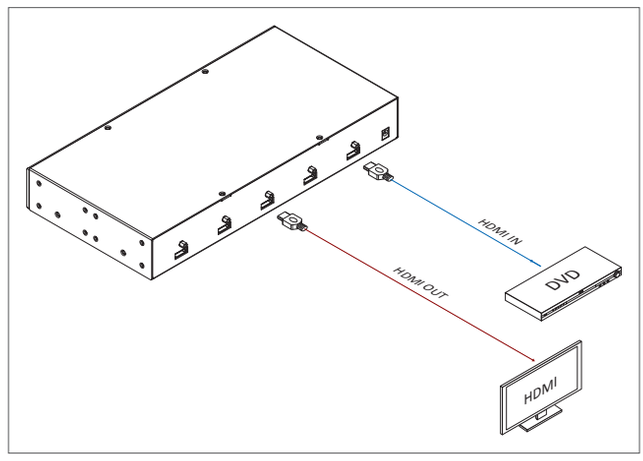
Distributor

Ear Rack : 1U-300L

INTRODUCTION

The SB-5654 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1 input and 4 outputs, the distributor supports data rates up to 2.25 Gbps. and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance, control one inputs to 4 outputs. This product is certified, and fully HDMI™ and HDCP compliant. This product is also with CE, FCC compliant. Support high resolution quality HDMI™ source to HDMI™ displays, monitors or projectors.

DIAGRAM TYPICAL



FEATURES

01. Support 1x HDMI digital A/V device Amplifier to 4x HDMI monitors
02. HDMI digital video/audio format, DVI format and HDCP compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. Support desktop with ear rackmount and 19 inch rack mountable type panel

SPECIFICATIONS

Type of Amplifier	1x4 HDMI Distribution Amplifier
Input Signal	Video (TMDS) 0.5~1.0Vpp
Signal Support	HDMI Standard, DVI and HDCP Compliant
Video Support	1080p HDMI formats and DVI UXGA 1920x1200 HD resolutions
Control	IR
Data Rates	250Mbps to 2.25Gbps
Audio Support	DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
Infrared frequency	38KHz
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5654K

1x4 HDMI Distribution Amplifier with Scaler

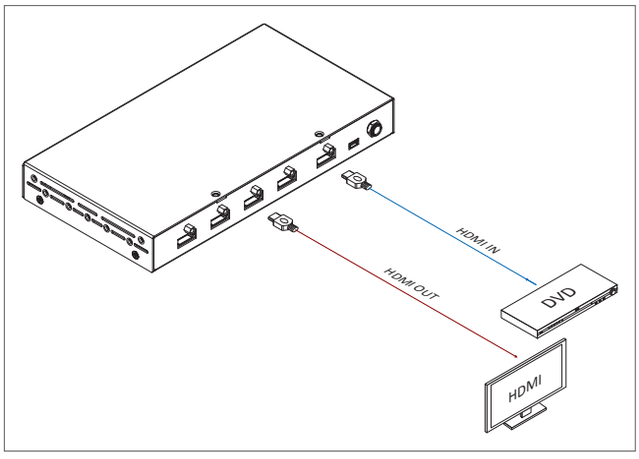
Input : 1x HDMI
Output : 4x HDMI

PRO | EDID | SCALER | BOOSTER

INTRODUCTION

The SB-5654K is professional 1x4 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input, four (4) HDMI™ outputs. The SB-5654K is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (4) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 1.4 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA / WUXGA / DVI 1920x1200 resolution to any HD displays. The SB-5654K has 1x HDMI™ connector for input, effectively making this an (1) in x(4) out distributor. Support HDMI™ Video Booster function as the 4K2K resolution 65 feet (20Meters) and 1080p resolution 98 feet (30Metters). The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons and IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. (1)x HDMI 4K2K source device distributed to (4)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS with embedded HDCP, DVI format and CEC/ HDCP 1.4 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
07. EDID supports : Embedded EDID modes
    - Mode (1) : 1080p - 2CH
    - Mode (2) : 1080p - Bitstream
    - Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio.
10. Audio Output : Support HDMI standard multi-channel digital audio.
11. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M).
12. Various User Interface controls: Front Panel push button, IR remote control
13. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 4x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	4x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler down : 1080p-24Hz 2. Scaler up : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	FCC, REACH
Dimension (WxDxH)	8.26" x 4.44" x 1.06" (210mm x 113mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5658

1x8 HDMI Distribution Amplifier

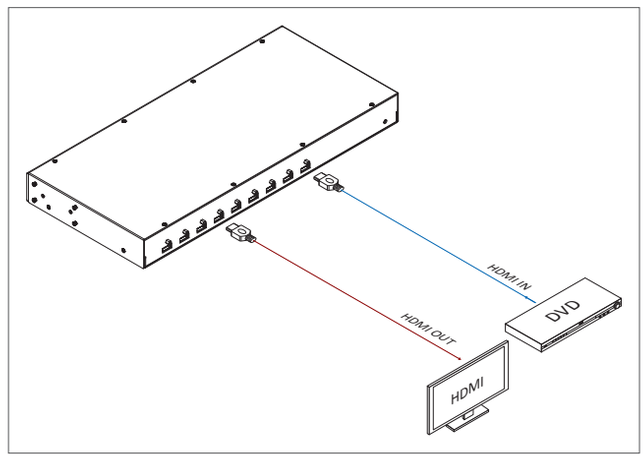
Input : 1x HDMI
Output : 8x HDMI

Ear Rack : 1U-440L

INTRODUCTION

The SB-5658 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1 input and 8 outputs the distributor supports data rates up to 2.25 Gbps. and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance, control one inputs to 8 outputs. This product is certified,and fully HDMI™ and HDCP compliant.This product is also with CE, FCC compliant. Support high resolution quality HDMI™ source to HDMI™ displays, monitors or projectors.

DIAGRAM TYPICAL



FEATURES

01. Support 1x HDMI digital A/V device Amplifier to 8x HDMI monitors
02. HDMI digital video/audio format, DVI format and HDCP compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. Support desktop with ear rackmount and 19 inch rack mountable type panel

SPECIFICATIONS

Type of Amplifier	1x8 HDMI Distribution Amplifier
Type of Signal	TMDS Digital Video PCM Digital Audio
HDMI Input	Signals Video (TMDS) 0.5~1.0Vpp
Compliant with HDMI standard	HDMI and HDCP
Video Support	1080p HDMI formats and DVI UXGA 1920x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Data Rates	250Mbps to 2.25Gbps
Pixel clocks	25MHz to 225MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5658K

1x8 HDMI Distribution Amplifier with Scaler

Input : 1x HDMI
Output : 8x HDMI

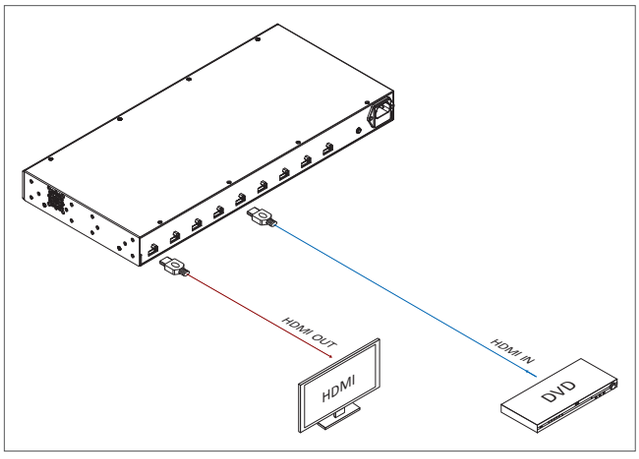
PRO | EDID | SCALER | BOOSTER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5658K is professional 1x8 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input. eight (8) HDMI™ outputs. The SB-5658K is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (8) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 1.4 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. Support HDMI™ Video Booster function as the 4K2K resolution 65 feet (20Meters) and 1080p resolution 98 feet (30Metters). The SB-5658K has 1x HDMI™ connector for Input, effectively making this an (1) in x(8) out distributor. The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons and IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. (1)x HDMI 4K2K source device distributed to (8)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS with embedded HDCP, DVI format and CEC / HDCP 1.4 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV / DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit
07. EDID supports : Embedded EDID modes
    - Mode (1) : 1080p - 2CH
    - Mode (2) : 1080p - Bitstream
    - Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio
10. Audio Output : Support HDMI standard multi-channel digital audio
11. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
12. Various User Interface controls : Front Panel push button, IR Remote Cotrol
13. Support Power input AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 8x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	8x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler : 1080p-24Hz 2. Scaler : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack.
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-5659

1x16 HDMI Distribution Amplifier

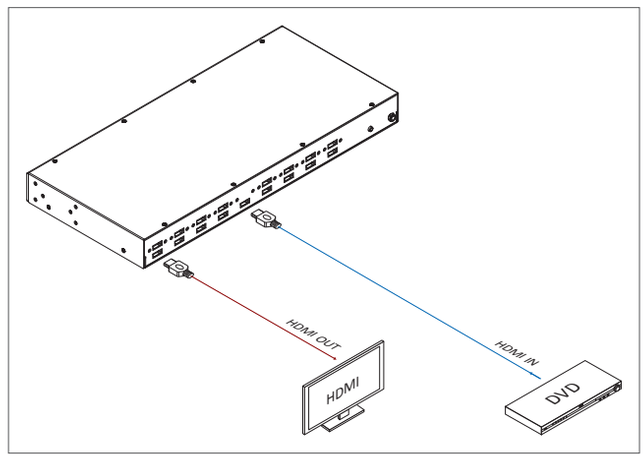
Input : 1x HDMI
Output : 16x HDMI

Ear Rack : 1U-440L

INTRODUCTION

The SB-5659 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1x input and 16 outputs, the distributor support data rates up to 2.25 Gbps and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance. This product is certified, and fully HDMI™ and HDCP compliant. This product is also with CE, FCC compliant. Support HDMI™ (HDCP) source to multiple HDMI™ (HDCP) displays, monitors or projectors.

DIAGRAM TYPICAL



FEATURES

01. Support 1:16 HDMI Distribution Amplifier
02. I/O Signals : HDMI with HDCP Digital Video and Digital Audio (PCM)
03. HDMI and HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. Support colour depth up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
09. Bi-direction colour space conversion(CSC) between RGB and YCBCR color spaces with programmable coefficients
10. Auto-Scan input and outputs status via LED display on front panel
11. Control by selection buttons on front panel and use IR Remote Controller
12. Support IR Extender port with 300M long distance in rear panel
13. Support desktop with ear rackmount and 19 inch rack mountable type panel
14. Power supply DC 12, Universal Type switch 100~230VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	1x16 HDMI Distribution Amplifier
Signal Support	HDMI standard, DVI and HDCP compliant
Video Support	1080p HDMI formats and DVI UXGA 1920x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1920x1200 resolution
Control	IR Remote
Data Rates	250Mbps to 2.25 Gbps Pixel clocks : 25MHz to 225 MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Various video input interface supporting digital video standards such as	RGB/YCBCR : 24/30/36-bit YCBCR : 8/10/12/16/20/24-bit Double data rate interface for RGB/YCBCR : 12/15/18-bit
Infrared frequency	38KHz
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.92A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5659K

1x16 HDMI Distribution Amplifier with Scaler

Input : 1x HDMI
Output : 16x HDMI

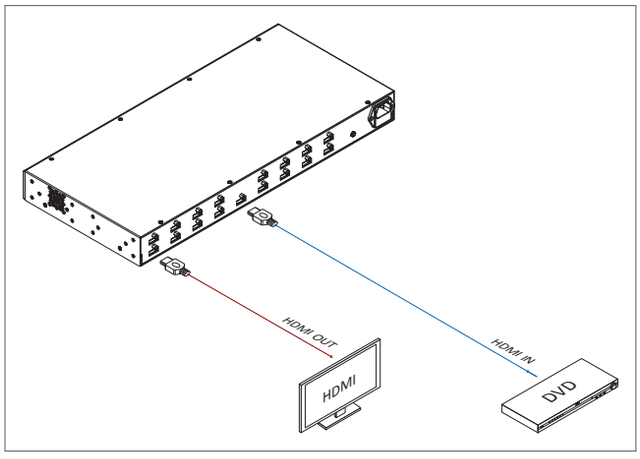
PRO | EDID | SCALER | BOOSTER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5659K is professional 1x16 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input, sixteen (16) HDMI™ outputs. The SB-5659K is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (16) outputs. The Distribution Am[plifier is certified as being fully CEC and HDCP 1.4 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. Support HDMI™ Video Booster function as the 4K2K resolution 65 feet (20Meters) and 1080p resolution 98 feet (30Metters). The SB-5659K has 1x HDMI™ connector for Input, effectively making this an (1) in x(16) out distributor. The EDID management can be selected between three (3) different modes and the Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Switch control is provided via Front panel push buttons and IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. (1)x HDMI 4K2K source device distributed to (16)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS with embedded HDCP, DVI format and CEC/ HDCP 1.4 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
07. EDID supports : Embedded EDID modes
    - Mode (1) : 1080p - 2CH
    - Mode (2) : 1080p - Bitstream
    - Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio
10. Audio Output : Support HDMI standard multi-channel digital audio
11. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
12. Various User Interface controls: Front Panel push button, IR Remote Control
13. Support Universal power input AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 16x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	16x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel 1x IR Remote Controller (switch control)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler : 1080p-24Hz 2. Scaler : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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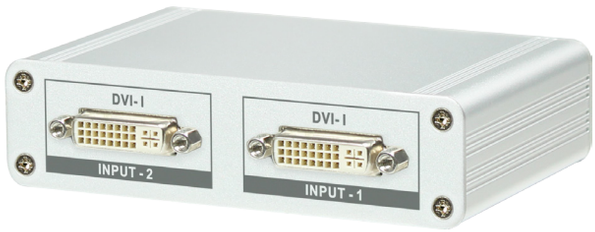
SB-5602

2x1 DVI Routing Switcher

Input : 2x DVI
Output : 1x DVI

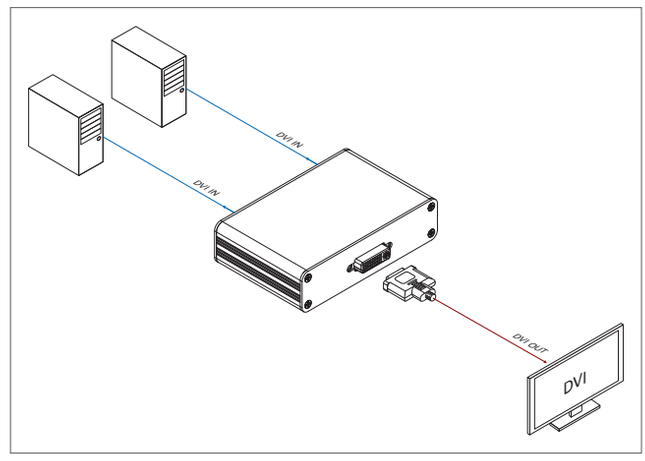
DVI SWITCHER



INTRODUCTION

The SB-5602 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI™(TMDS) digital Video with HDCP compliant. Providing 2x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI™-TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

DIAGRAM TYPICAL



FEATURES

01. Support : 2:1 DVI Routing Switcher
02. I/O Signals : DVI with HDCP Digital Video(TMDS)
03. DVI and HDMI with HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Support Digital Video TMDS formats in Deep Color 12bits
07. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
08. Bi-direction colour space conversion (CSC) between RGB and YCBCR color spaces with programmable coefficients
09. Power via LED display on front panel
10. Control by front panel selection buttons
11. Support wall rack mountable type
12. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	2:1 DVI Routing Switcher
Signal Support	DVI standard, HDMI and HDCP compliant
Video Support	1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
Ttype of Signal	TMDS Digital Video PCM Digital Audio
Compliant with DVI standard	DVI, HDMI and HDCP
HDTV Support	1080p HDMI formats and DVI UXGA 1600x1200 resolution
Controls	Front Panel Selection buttons
Data Rates/Pixel clocks	250Mbps to 2.25 Gbps 25MHz to 225 MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Support digital video input	RGB/YCBCR:24/30/36-bit YCBCR:8/10/12/16/20/24-bit Double data rate interface for RGB/YCBCR:12/15/18-bit
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	4.44" x 2.87" x 1.14" (113mm x 73mm x 29mm)
Weight	0.2 kg / 0.44 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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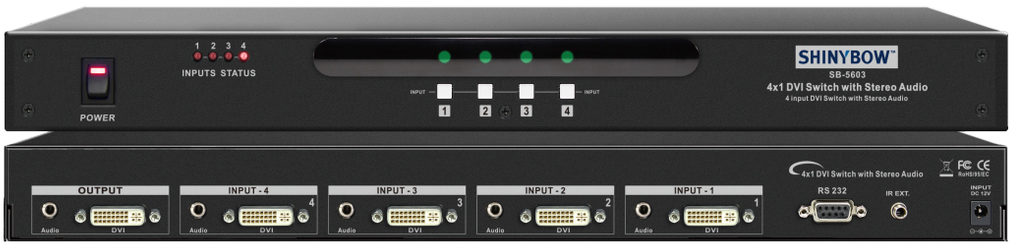
SB-5603

4x1 DVI-Audio Routing Switcher

Input : 4x DVI
Output : 1x DVI

DVI SWITCHER PRO

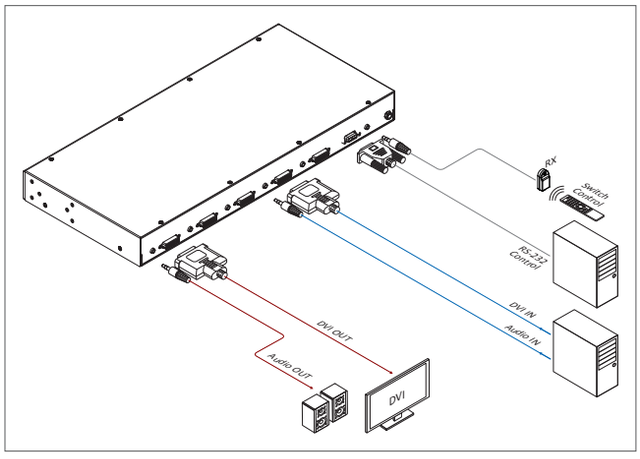


Ear Rack : 1U-440L

INTRODUCTION

The SB-5603 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI™(TMDS) digital Video with HDCP compliant. Providing 4x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI™-TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

DIAGRAM TYPICAL



FEATURES

01. Support : 4:1 DVI Routing Switcher
02. I/O Signals : DVI with HDCP Digital Video(TMDS)
03. DVI and HDMI with HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV / DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Support Digital Video TMDS formats in Deep Color 12bits
07. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
08. Bi-direction colour space conversion(CSC) between RGB and YCBCR color spaces with programmable coefficients
09. Auto-Scan input and outputs status via LED display on front panel
10. Control by front panel selection buttons, IR Remote and RS-232 interface
11. Support IR Extender in rear panel for 300 Meter long distance extend
12. Support desktop with ear rackmount and 19 inch Rack mountable type panel
13. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	4:1 DVI Routing Switcher
Signal Supports	DVI Standard, HDMI and HDCP Compliant
Video Supported	1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
Audio Supported	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with DVI standard	DVI, HDMI and HDCP
HDTV Support	1080p HDMI formats and DVI UXGA 1600x1200 resolution
Controls	Front Panel Selection buttons, IR Remote, IR Ext. and RS-232 Interface
Data Rates / Pixel clocks	250Mbps to 2.25 Gbps / 25MHz to 225 MHz
Cable Distance	10 meters at 2.25Gbps
Support digital video input	RGB/YCBCR:24/30/36-bits YCBCR:8/10/12/16/20/24-bits Double data rate interface for RGB/YCBCR:12/15/18-bits
Infrared frequency	38KHz
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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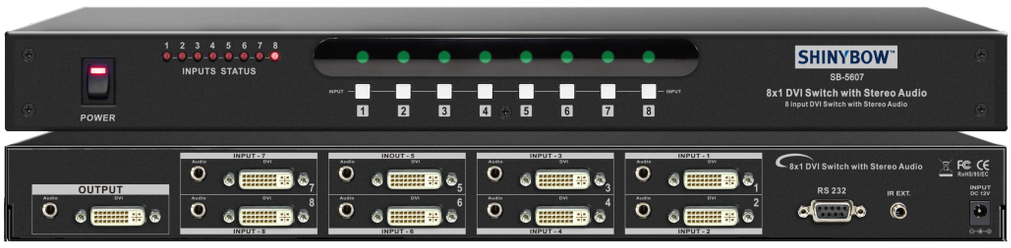
SB-5607

8x1 DVI-Audio Routing Switcher

Input : 8x DVI
Output : 1x DVI

DVI SWITCHER PRO

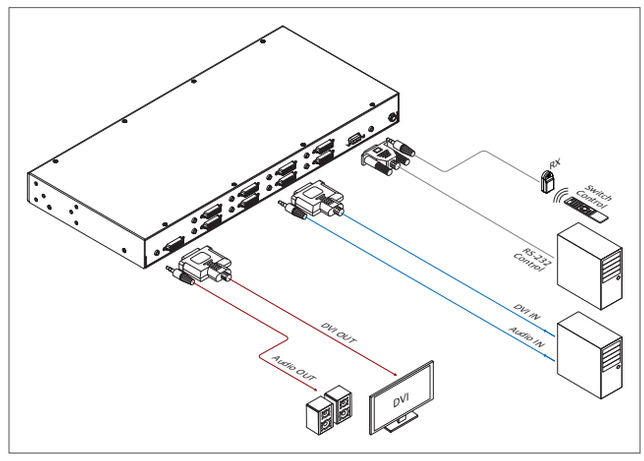


Ear Rack : 1U-440L

INTRODUCTION

The SB-5607 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI™ (TMDS) digital Video with HDCP compliant. Providing 8x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI™-TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

DIAGRAM TYPICAL



FEATURES

01. Support : 8:1 DVI Routing Switcher
02. I/O Signals : DVI with HDCP Digital Video(TMDS)
03. DVI and HDMI with HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Support Digital Video TMDS formats in Deep Color 12bits
07. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
08. Bi-direction colour space conversion(CSC) between RGB and YCBCR color spaces with programmable coefficients.
09. Auto-Scan input and outputs status via LED display on front panel
10. Control by front panel selection buttons, IR Remote and RS-232 interface
11. Support IR Extender in rear panel for 300 Meter long distance extend
12. Support desktop with ear rackmount and 19 inch Rack mountable type panel
13. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	8:1 DVI Routing Switcher
Signal Support	DVI standard, HDMI and HDCP compliant
Video Support	1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Ttype of Signal	TMDS Digital Video PCM Digital Audio
Compliant with DVI standard	DVI, HDMI and HDCP
HDTV Support	1080p HDMI formats and DVI UXGA 1600x1200 resolution
Controls	Front Panel Selection buttons, IR Remote and RS-232 Interface
Data Rates	250Mbps to 2.25 Gbps Pixel clocks: 25MHz to 225 MHz
Cable Distance	10 meters at 2.25Gbps
Supporting digital video input	RGB/YCBCR : 24/30/36-bit YCBCR : 8/10/12/16/20/24-bit Double data rate interface for RGB/YCBCR : 12/15/18-bit
Infrared frequency	38KHz
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-8812

4x4 DVI Matrix Switch

Input : 4x DVI
Output : 4x DVI

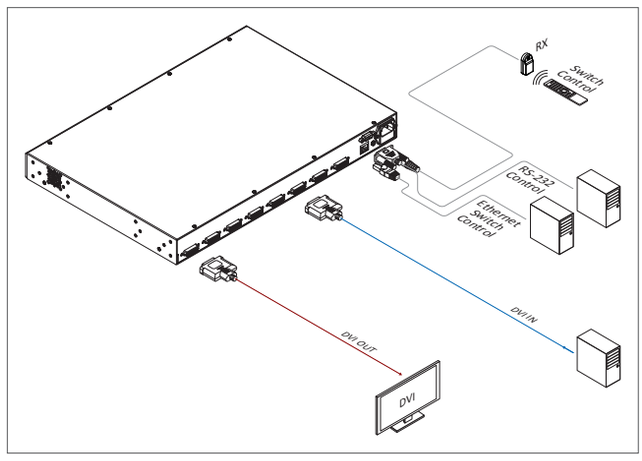
DVI MATRIX EDID PRO

Ear Rack : 1U-440L

INTRODUCTION

The SB-8812 is high-performance 4x4 matrix routing switcher for DVI (Digital Visual Interface) signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA / WUXGA / DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. 4x DVI signal device sources matrix switched to 4x DVI destination devices
02. DVI digital video with embedded, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet series control
    - Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (1U-440L)
14. Support Power Supply 12VDC, 3A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	4x DVI inputs To 4x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 2.25Gbps bandwidth
Digital Video Support	HD resolution:1920x1200, HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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SB-8811

8x8 DVI Matrix Switch

Input : 8x DVI
Output : 8x DVI + 1 Preview port

DVI | MATRIX | EDID | PRO

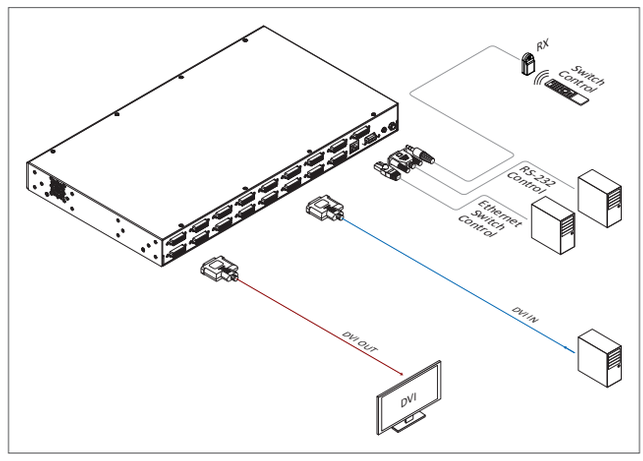
Ear Rack : 1U-440L

03

INTRODUCTION

The SB-8811 is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA / WUXGA / DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE, FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. (8)x DVI signal device sources matrix switched to (8)x DVI destination devices
02. DVI digital video with embedded, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 225Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet interface series (switch control)
    - Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    - Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    - External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (1U-440L)
14. Support Power Supply 12VDC, Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	(8)x DVI inputs To (8)x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant.
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD resolution : 1920x1200 , HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS-232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @3.8A (World Wide Universal AC 100~240V 50/60Hz)

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SB-8813

4x4 DVI-Audio Matrix Switch

Input : 4x DVI / Audio
Output : 4x DVI / Audio

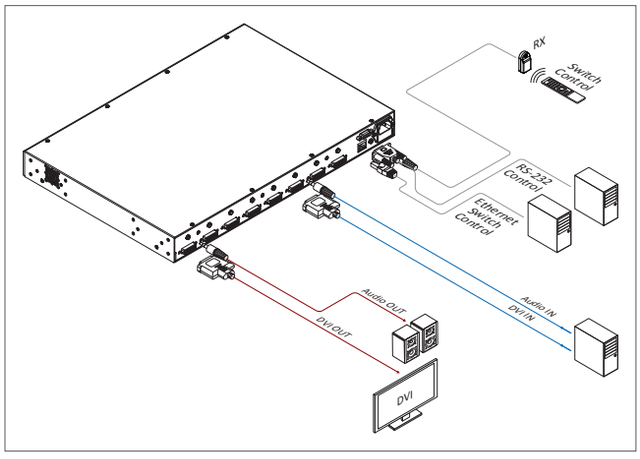
DVI MATRIX EDID PRO AUDIO

Ear Rack : 1U-440L

INTRODUCTION

The SB-8813 is high-performance 4x4 matrix routing switcher for DVI (Digital Visual Interface) and analog Stereo Audio (AR/AL) signals. This Switcher supports data rates up to 2.25 Gbps, Video Bandwidth 340MBhz, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HDTV display. High Definition full Digital Video DVI signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE, FCC certification. Support high resolution DVI sources routedto DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. 4x DVI & Audio signal device sources matrix switched to 4x DVI & Audio destinations
02. DVI digital video with embedded HDCP, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet series control
    - Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    - Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    - External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (1U-440L)
14. Support Power Supply 12VDC, 3A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	4x DVI inputs To 4x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 2.25Gbps bandwidth
Video Support	Digital Visual Interface TMDS digital format signal
Audio Support	Analog Stereo Audio
Digital Video Support	HD resolution : 1920x1200, HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz

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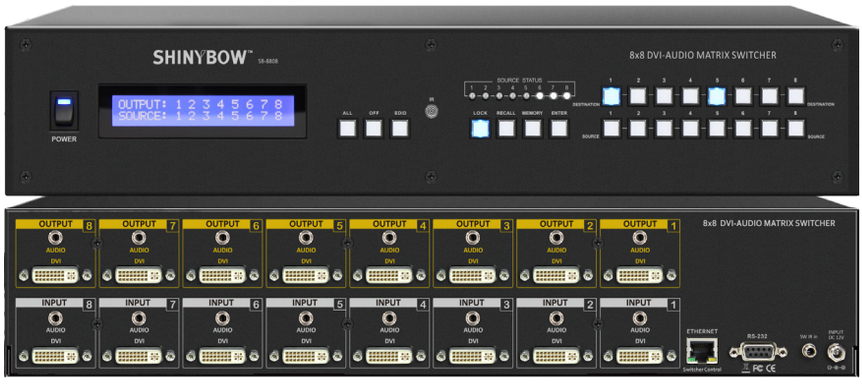
SB-8808LCM

8x8 DVI-Audio Matrix Switch

Input : 8x DVI / Audio
Output : 8x DVI / Audio

PRO | MATRIX | EDID | DVI | AUDIO

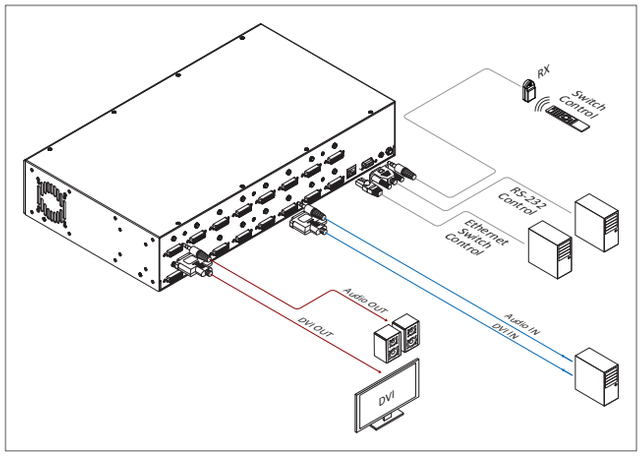


Ear Rack : 2U-440L

INTRODUCTION

The SB-8808 is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) and Stereo Audio signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. 8x DVI & Audio signal device sources matrix switched to 8x DVI & Audio destinations
02. DVI digital video with embedded HDCP, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet series control
    - Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    - Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    - External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (2U-440L)
14. Support Power Supply 12VDC, 5A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	8x DVI inputs To 8x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75Gbps bandwidth
Video Support	Digital Visual Interface TMDS digital format signal
Audio Support	Analog Stereo Audio
Digital Video Support	HD resolution:1920x1200, HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	DC 12V, @4.1A (World Wide Universal AC 100~240V 50/60Hz)

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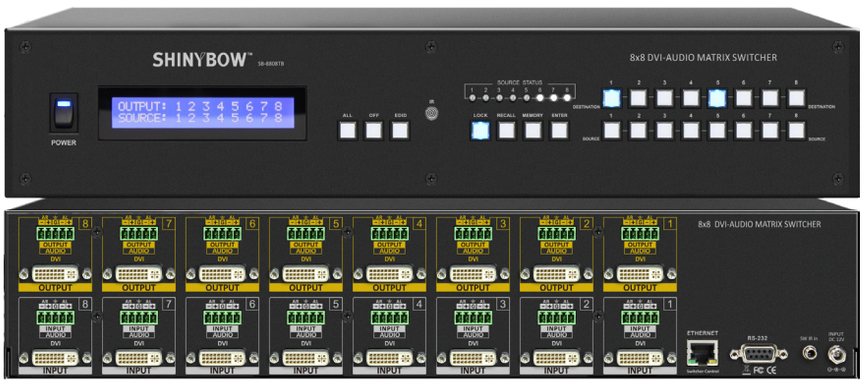
SB-8808TB

8x8 DVI-Audio Matrix Switch

Input : 8x DVI / Stereo Audio (Terminal Block)
Output : 8x DVI / Stereo Audio (Terminal Block)

PRO MATRIX EDID DVI AUDIO

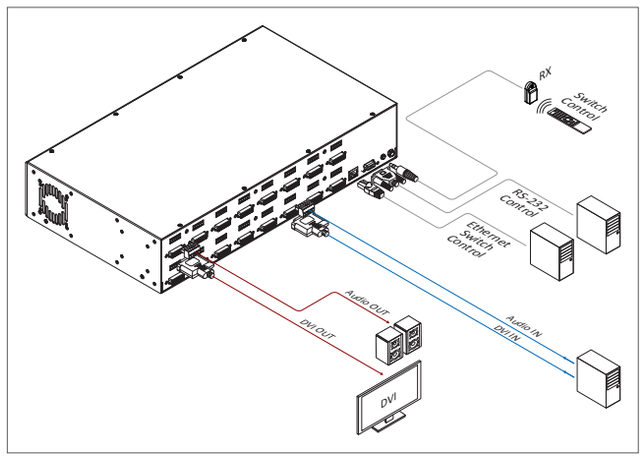


Ear Rack : 2U-440L

INTRODUCTION

The SB-8808TB is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) and Stereo Audio signal. This switcher supports Audio(Terminal Block connector), data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA / WUXGA / DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. 8x DVI & Audio signal device sources matrix switched to 8x DVI & Audio destinations
02. DVI digital video with embedded HDCP, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet series control
    - Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    - Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    - External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984' (300M) Maximum
13. Support Rack Mount 1RU High 19 "Rack Mount with rack mount (2U-440L)
14. Support Power Supply 12VDC, 5A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	8x DVI inputs To 8x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75Gbps bandwidth
Video Support	Digital Visual Interface TMDS digital format signal
Audio Support	Analog Stereo Audio
Digital Video Support	HD resolution:1920x1200, HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (Terminal Block (5) Pins Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	DC 12V, @4.1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-6800T/SB-6800R

HDMI OVER IP Channel Extender

IR | RS-232 | 500M

SB-6800T
HDMI OVER IP Channel Transmitter

Input : 1x HDMI with Looping Output
Output : 1x LAN
Controls : IR, RS-232, Front Panel Buttons

Ear Rack :#WM-1INCH-130MM

SB-6800R
HDMI OVER IP Channel Receiver

Input : 1x LAN
Output : 1x HDMI
Controls : IR, RS-232, Front Panel Buttons

Ear Rack :#WM-1INCH-130MM

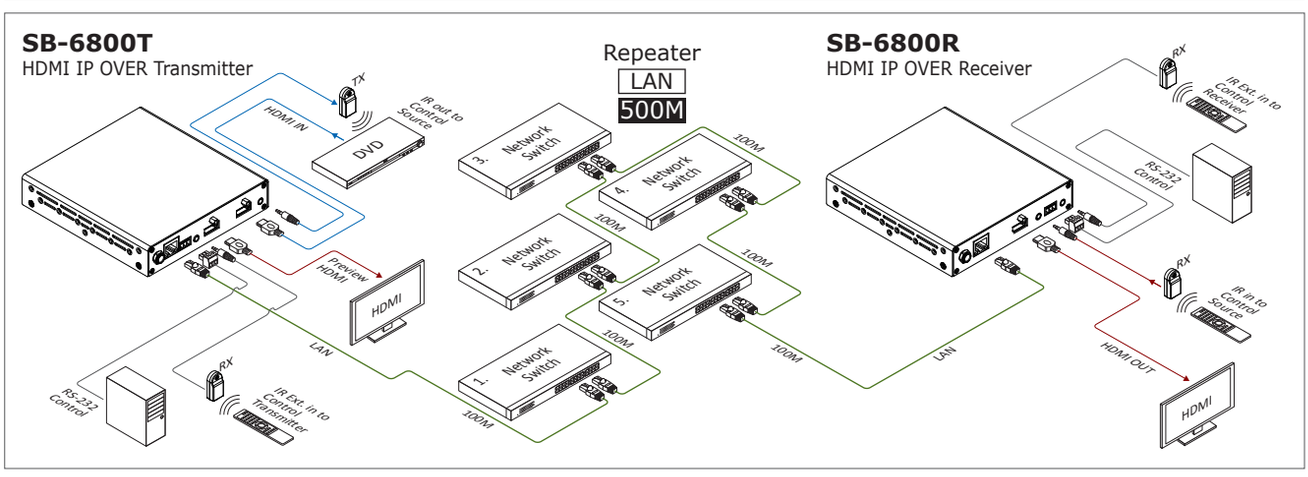
FEATURES

01. Extend HDMI signal over IP (LAN Switch with IGMP function) category cable up to 100M
02. Simply set up the Transmitter and Recevier to the same channel and all settings are automatically configured
03. Support point to point or point to multipoint or multipoint to multipoint configurations
04. Support HDMI 1080p@60 video, HDCP compliant
05. Support link speeds of up to 148MHz
06. Deep Color, Full HD 1080p@60Hz@24 bit pixels
07. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
08. Support IP Transmitter (5) units to IGMP HUB. Channel 001~005
09. Support IP Receiver (64) units, Select TX Channel 001~064
10. Transfer IR and RS-232 control signal together with the HDMI signal
11. With LED indicators to show the POWER/LINK/Transmitter Channel status
12. Uses a single category cable to transmit HDMI, RS-232 and IR control signals simultaneously
13. Surface mounting bracket included
14. Univeral Worldwide Power Supply 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDMI Over IP Extender
Input Signals	HDMI
Signal Supports	HDMI 1.3 HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI for 1080p (1920x1080) resolution
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Extend LAN Hub	LAN Switch with IGMP function
GB Hub Linkage	IP Transmitter x5 units & IP Receiver x 64units (500M)
Cable Support	Category (CAT5e/6) cable
Support HDMI resolutions	480p, 720p 1080i/1080p
Controls	2x IR in, 1x RS-232 I/O and LAN series interface
Transfer distance	up to 100M (328 ft) LAN Switch to LAN Switch (maximum 500M (1640ft))
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
Safety Approvals	CE
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	0.4 kg / 0.88 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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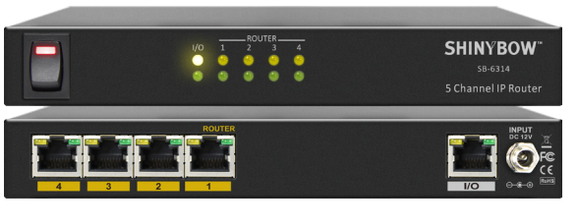
SB-6314 · SB-6312

Channel IP Router

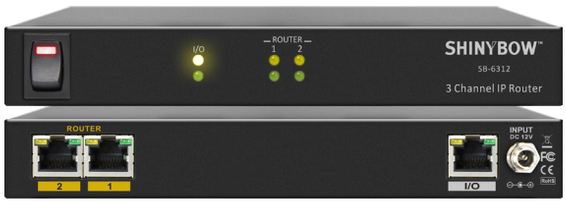
CAT5

SB-6314
5 Channel IP Router



I/O : 5x LAN 10/100 Mbps

SB-6312
3 Channel IP Router



I/O : 3x LAN 10/100 Mbps

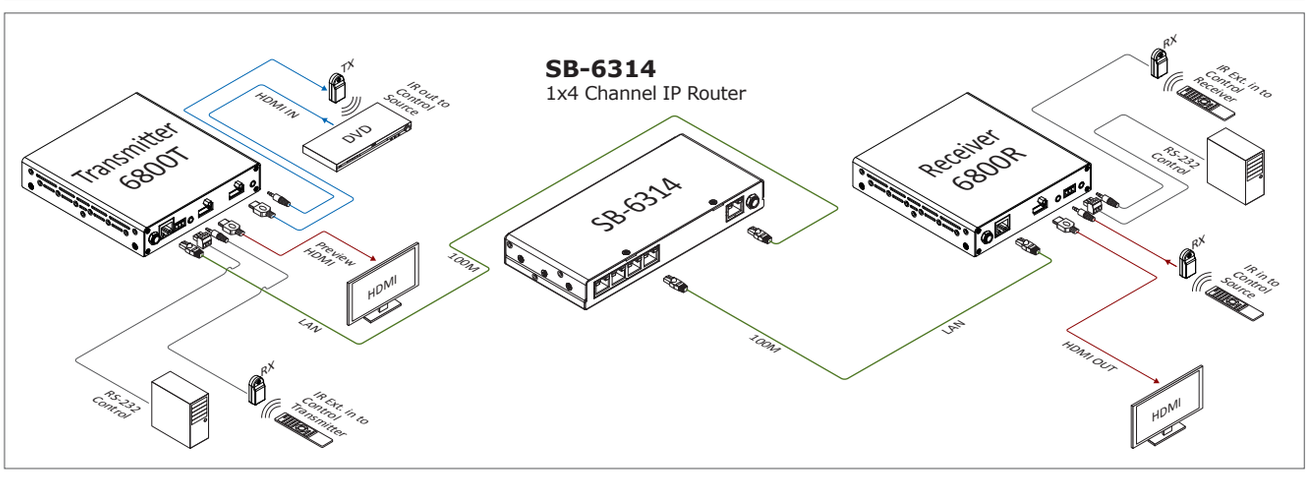
FEATURES

01. Support 4x ways HDMI CAT5/6 Repeater Extender
02. Support Auto-Polarity for 10Mbps
03. Support Link quality LED for 100Mbps
04. Support direct, serial and dual color LED
05. Built in Linear regulator control register
06. Support auto power saving mode
07. It Provides powerful QoS function, IEEE 802.1Q, IGMP snooping
08. HDMI Signals Link via using the CAT5, CAT5e and ACT6e UTP cable
09. Support link speeds of up to 3.4 Gbps
10. Broadcast storm protection
11. Transmission HDMI Signals
12. Long distance 100M between Transmitter and Receiver
13. Mounting easy for Wall mountable Easy to install without any adjustment
14. Power support DC input with Low power consumes (Full load 250mA)
15. power supply using universal power switch DC 12V/0.42mA~660mA

SPECIFICATIONS

Type of Repeater	4x port CAT5/6 Outputs Repeater
Transmission Signals	HDMI Signals
CAT5 cable	CAT5, CAT5e, CAT6e category cable
Signal Isolation	90db@10Mbps
Operating Temperature	0 C to 70 C
Extend Repeat distance	Up to 100M
Enclosure	Ear-wall mount rackable
Safety Approvals	CE, FCC
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.6A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6700

HDMI To DTV RF HD Modulator

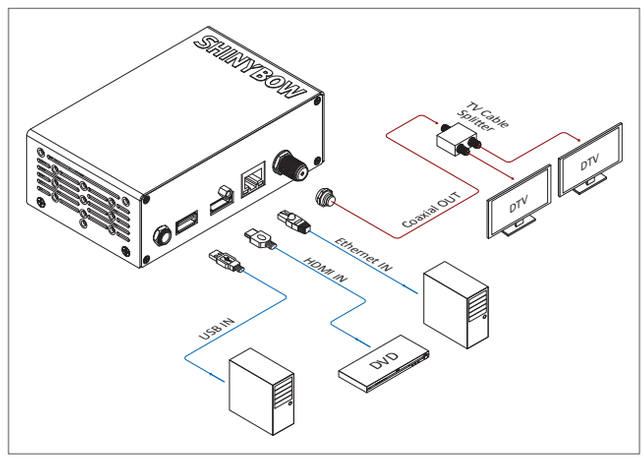
Input : 1x HDMI, 1x USB, 1x Ethernet, 1x Coaxial
Output : 1x Coaxial

Ear Rack :#WM-1INCH-130MM

INTRODUCTION

SB-6700 is a encoder and modulator that allows HD signals input in TV distribution. SB-6700 is a ideal for distributing any HD video to All TV's over existing Coax Cable, supporting HDMI™, USB, Ethernet input and RF output. It is all in one device integrating MPEG2 encoding. Supports HD resolution up to 720p/1080i (1080p-24 film) with Coaxial output standard DVB-T, DVB-C, DVB-S. DVB-T Model supports all world wide modes- 6/7/8 MHZ Bandwidth, South America/NZ/AU/EU. Supports multiple channels by adding more units. The sources could be from satellite receivers, Blue-ray player, PC, Camera, etc... Control is provided via Front panel, IR and USB software at any time.

DIAGRAM TYPICAL



FEATURES

01. HDMI To DTV RF HD Modulator
02. Input supports HDMI, USB and Ethernet
03. Easy to setup TV channel and control through LCM panel
04. Supports world wide mode -6/7/8/ MHZ Bandwidth, South America/NZ/AU/EU
05. Available for Daisy Chain or Coax combiner which can connect multiple units
06. Supports HD resolution up to 720p/1080i (1080p-24 film) with Coaxial output standard DVB-T, DVB-C, ATSC, DTMB
07. Various User Interface controls: Front Panel push button and IR remote control
08. World mounted Ear Rack included
09. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz

SPECIFICATIONS

Type of Modulator	HDMI To DTV RF HD Modulator
Input	HDMI, USB and Ethernet
Encoding Modes	MPEG2
Coaxial Output	DVB-T, DVB-C, ATSC, DTMB
DVB-T Model	6/7/8/ MHZ Bandwidth, South America/NZ/AU/EU
DVB-C Model	J.83A+J.83B+J.83C+J.83D- all modes supported
Output Resolution	Support 720p/1080i or 1080p-24 film
Constellation	4QAM, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/32, 1/16, 1/8, 1/4
FFT	2K, 4K, 8K
RF Frequency	47~862MHz
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 3.14" x 1.73" (130mm x 80mm x 44mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-6335T5/SB-6335R5

HDMI HDBaseT Extender (PoH)

LAN | RS-232 | IR in | IR out | 100M

SB-6335T5
HDMI HDBaseT Transmitter (PoH)

Input : 1x HDMI
Output : 1x HDBaseT (PoH)
Controls : IR (in/out), RS-232, LAN

SB-6335R5
HDMI HDBaseT Receiver (PoH)

Input : 1x HDBaseT (PoH)
Output : 1x HDMI
Controls : IR (in/out), RS-232, LAN
PoH : Power DC 48V Supports from Transmitter (SB-6335T5)

Ear Rack :
#WM-1INCH-130MM

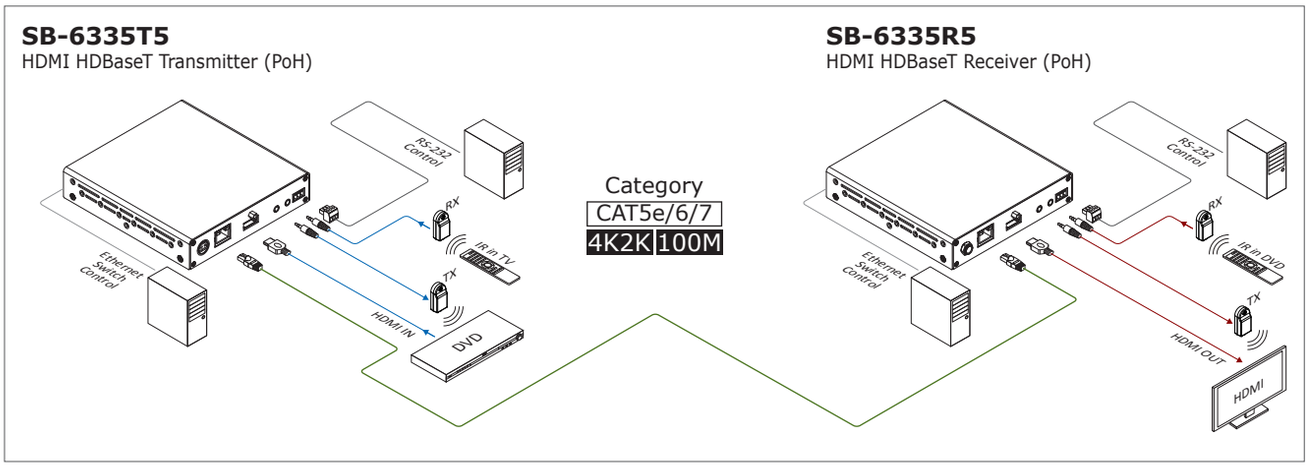
FEATURES

01. HDBaseT Extend HDMI with 3D and 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Transfer Bi-directional Infrared control signal together with the HDMI signal
08. RS-232 port for firmware update or RS-232 control signal transmission
09. Support HDMI CEC between your connected Source and display gear
10. With LED indicators to show the POWER/PoH/HDCP/LINK status
11. 5-Play Transmits HDMI, Audio, PoE, Ethernet, RS-232 and Bi-Directional
12. Support Super Audio CD (DSD), CEC commands protocol table
13. Mounting Ears and wall mount pack supplied
14. Power supply using universal power switch 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution ; Frequency 24Hz to 120Hz
Controls	IR (in/out), RS-232, LAN
PoE Support	HDBaseT Transmitter with 48VDC adaptor (SB-6335T5)
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI & REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	0.4 kg / 0.88 lb
Power Supply	6335T5 : DC 48V, @0.75A 6335R5 : DC 12V, @0.85A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6335T5/SB-6351R

HDMI HDBaseT Extender with (PoH)

LAN | RS-232 | IR in | IR out | 100M

SB-6335T5
HDMI HDBaseT Transmitter (PoH)

Ear Rack :
#WM-1INCH-130MM

Input : 1x HDMI
Output : 1x HDBaseT (PoH)
Controls : IR (in/out), RS-232, LAN

SB-6351R
HDMI HDBaseT Receiver (PoH)

Input : 1x HDBaseT (PoH)
Output : 1x HDMI
Controls : IR (in/out), RS-232, LAN
PoH : Power DC 48V Supports from Transmitter (SB-6335T5)

04

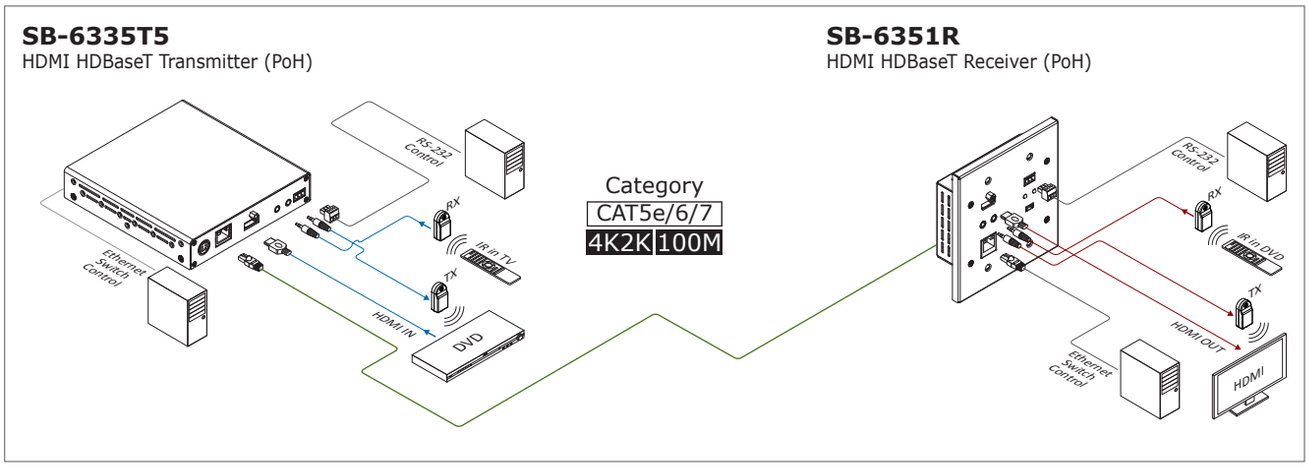
FEATURES

01. HDBaseT TX/RX with 3D, 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Support PoH power over HDBaseT
    (Support Power 48VDC From Transmitter To Receiver)
08. Transfer Bi-directional Infrared control signal together with the HDMI signal
09. RS-232 port for firmware update or RS-232 control signal transmission
10. Support HDMI CEC between your connected Source and display gear
11. With LED indicators to show the POWER / PoH / HDCP / LINK status
12. HDBaseT transfer HDMI, PoE, LAN, RS-232 and Bi-Directional IR over single Category cable
13. Support Super Audio CD (DSD), CEC commands protocol table
14. Mounting Ears and wall mount pack supplied
15. Power supply using universal power switch 48VDC, 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT RX & TX use HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution ; Frequency 24Hz to 120Hz
Controls	IR (in/out), RS-232, LAN
PoE Support	HDBaseT Transmitter with DC 48V adaptor (SB-6335T5)
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	6335T5 : 5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm) 6351R : 4.33" x 4.72" x 1.37" (110mm x 120mm x 35mm)
Weight	6335T5 : 0.4 kg / 0.88 lb 6351R : 0.5 kg / 1.1 lb
Power Supply	6335T5 : DC 48V, @0.75A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6353T/SB-6353R

HDMI HDBaseT Extender with (PoH)

LAN | RS-232 | IR in | IR out | 100M

SB-6353T
HDMI HDBaseT Transmitter (PoH)

Input : 1x HDMI
Output : 1x HDBaseT (PoH)
Controls : IR (in/out), RS-232, LAN
PoH : Power DC 48V Supports from Receiver (SB-6353R)

SB-6353R
HDMI HDBaseT Receiver (PoH)

Ear Rack :
#WM-1INCH-130MM

Input : 1x HDBaseT (PoH)
Output : 1x HDMI
Controls : IR (in/out), RS-232, LAN

04

FEATURES

01. HDBaseT TX/RX with 3D, 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Support PoH power over HDBaseT (Power support 48VDC To Transmitter)
08. Transfer Bi-directional Infrared control signal together with the HDMI signal
09. RS-232 port for firmware update or RS-232 control signal transmission
10. Support HDMI CEC between your connected Source and display gear
11. With LED indicators to show the POWER/LINK status
12. HDBaseT transfer HDMI, PoE, LAN, RS-232 and Bi-Directional IR over single Category cable
13. Support Super Audio CD (DSD), CEC commands protocol table
14. Mounting Ears and wall mount pack supplied
15. Power supply using universal power switch 50/60Hz,100~240VAC

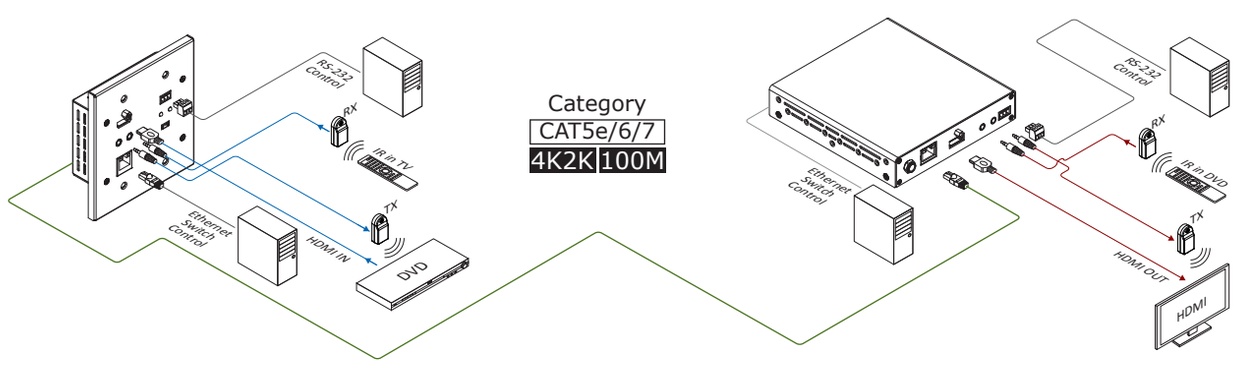
SPECIFICATIONS

Type of Extender	HDBaseT RX & TX use HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution; Frequency 24Hz to 120Hz
Controls	IR (in/out), RS-232, LAN
PoH Support	HDBaseT Receiver with DC 48V adaptor (SB-6353R)
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket.
Safety Approvals	CE, FCC, VCCI, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	6353T : 4.33" x 4.72" x 1.37" (110mm x 120mm x 35mm) 6353R : 5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	6353T : 0.5 kg / 1.1 lb 6353R : 0.4 kg / 0.88 lb
Power Supply	6353R : DC 48V, @1.75A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL

SB-6353T
HDMI HDBaseT Transmitter (PoH)

SB-6353R
HDMI HDBaseT Receiver (PoH)



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SB-6355T/SB-6355R

HDMI HDBaseT Extender with Audio (PoH)

AUDIO | RS-232 | IR in | IR out | 100M

SB-6355T
HDMI HDBaseT Transmitter with Audio (PoH)

Input : 1x HDMI, 1x Stereo Audio (AR/AL), 1x S/PDIF
Output : 1x HDBaseT (PoH), 1x S/PDIF
Controls : IR (in/out), RS-232, 2x LAN, 3x USB

SB-6355R
HDMI HDBaseT Receiver with Audio (PoH)

Input : 1x HDBaseT (PoH), 1x S/PDIF
Output : 1x HDMI, 1x Stereo Audio (AR/AL), 1x S/PDIF
Controls : IR (in/out), RS-232, 2x LAN, 3x USB
PoH : Power DC 48V Supports from Transmitter (SB-6355T)

Ear Rack :
#WM-1INCH-130MM

04

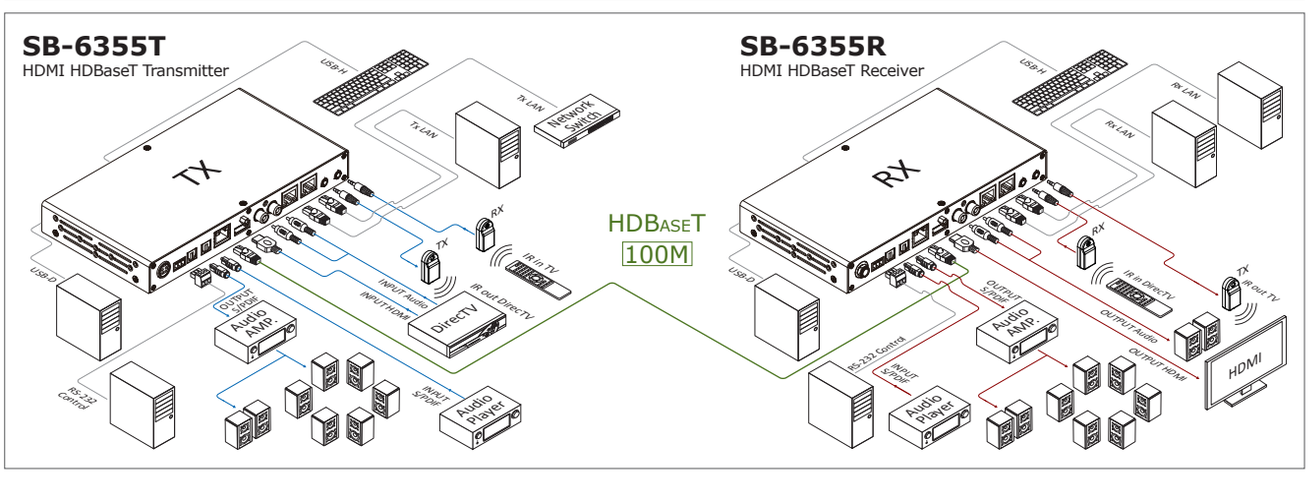
FEATURES

01. HDBaseT Extend HDMI with 3D and 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 10.2 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Transfer Bi-directional Infrared control signal together with the HDMI signal
08. Support HDMI CEC between your connected Source and display gear
09. With LED indicators to show the POWER/POE/LINK/HDCP status
10. Compatible with HDMI 2.0 and HDCP 2.2
11. 4-Play Transmits HDMI, IR, Ethernet, RS-232 and Bi-Directional
12. Support USB 2.0 control
13. Support external Bi-Directional S/PDIF in/out and available for multichannel audio
14. Support stereo audio with PCM 2CH
15. Support Super Audio CD (DSD), CEC commands protocol table
16. Mounting Ears and wall mount pack supplied
17. Power supply using universal power switch 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for HDMI signal over category UTP/STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDMI Supports	HDMI 1.4 and HDMI 2.0
HDCP Supports	HDCP 1.X, 2.2 compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 4K2K 30Hz 24bpp,4K2K 60Hz 24bpp with 4:2:0 pixel format, 10.2 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, D TS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
S/PDIF Audio	External Bi-Directional S/PDIF in/out
S/PDIDF Audio Support	Dolby Digital, DTS, Dolby TrueHD, DTS HD-Master Audio, Dolby Pro Logic Iiz 7.1 & 9.1, and more
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution; Frequency 24Hz to 120Hz
Controls	IR (in/out), RS-232, 2x LAN, 3x USB
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	8.26" x 4.44" x 1.06" (210mm x 113mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	6355T : DC 48V, @1A 6355R : DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6320T/SB-6320R

HDMI HDBaseT Extender with Audio

AUDIO | RS-232 | IR in | IR out | 100M

SB-6320T
HDMI HDBaseT Transmitter with Audio

Input : 1x HDMI, 1x DVI-D Audio
Output : 1x HDBaseT
Controls : RS-232, IR (in/out), 2x LAN

SB-6320R
HDMI HDBaseT Receiver with Audio

Input : 1x HDBaseT
Output : 1x HDMI, 1x DVI-D Audio
Controls : RS-232, IR (in/out), 2x LAN

Ear Rack :
#WM-1INCH-130MM

FEATURES

01. HDBaseT Extend HDMI with 3D and 1080p over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Transfer Bi-directional Infrared control signal together with the HDMI signal
08. Support DVI Auxiliary Audio (stereo audio) input and S/PDIF (PCM) output
09. RS-232 port for firmware update or RS-232 control signal transmission
10. Support HDMI CEC between your connected Source and display gear
11. With LED indicators to show the POWER/HDCP/LINK status
12. Transmits HDMI, Audio, Ethernet, RS-232 and Bi-Directional IR over single LAN cable
13. Support Super Audio CD (DSD), CEC commands protocol table
14. Mounting Ears and wall mount pack supplied
15. Power supply using universal power switch 50/60Hz,100~240VAC

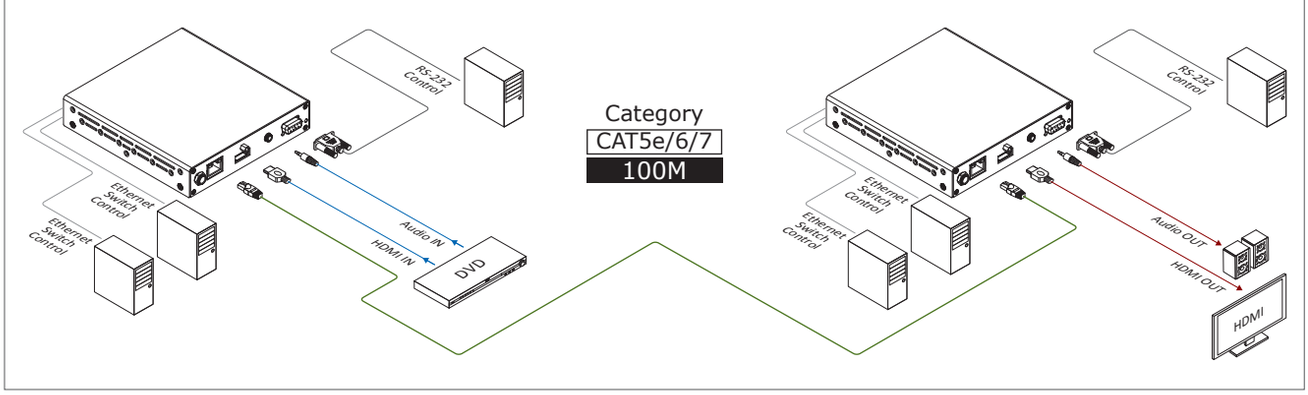
SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Extra DVI Audio input	HDBaseT Transmitter Input signal : Stereo Audio (3.5mm OD Jack)
S/PDIF Audio output	HDBaseT Receiver Output signal : S/PDIF (PCM-2CH, RCA connector)
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP cable
Support HDMI resolutions	480p, 720p 1080i/1080p
Scan Rate Accepted	Support HDMI full HD Resolution ; Frequency 24Hz to 120Hz
Controls	RS-232, IR (in/out), 2x LAN
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	0.4 kg / 0.88 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL

SB-6320T
HDMI HDBaseT Transmitter with Audio

SB-6320R
HDMI HDBaseT Receiver with Audio



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SB-6335T4/SB-6335R4

HDMI HDBaseT Extender

LAN | RS-232 | IR in | IR out | 100M

SB-6335T4
HDMI HDBaseT Transmitter

Input : 1x HDMI
Output : 1x HDBaseT
Controls : IR (in/out), RS-232, LAN

SB-6335R4
HDMI HDBaseT Receiver

Input : 1x HDBaseT
Output : 1x HDMI
Controls : IR (in/out), RS-232, LAN

Ear Rack :
#WM-1INCH-130MM

04

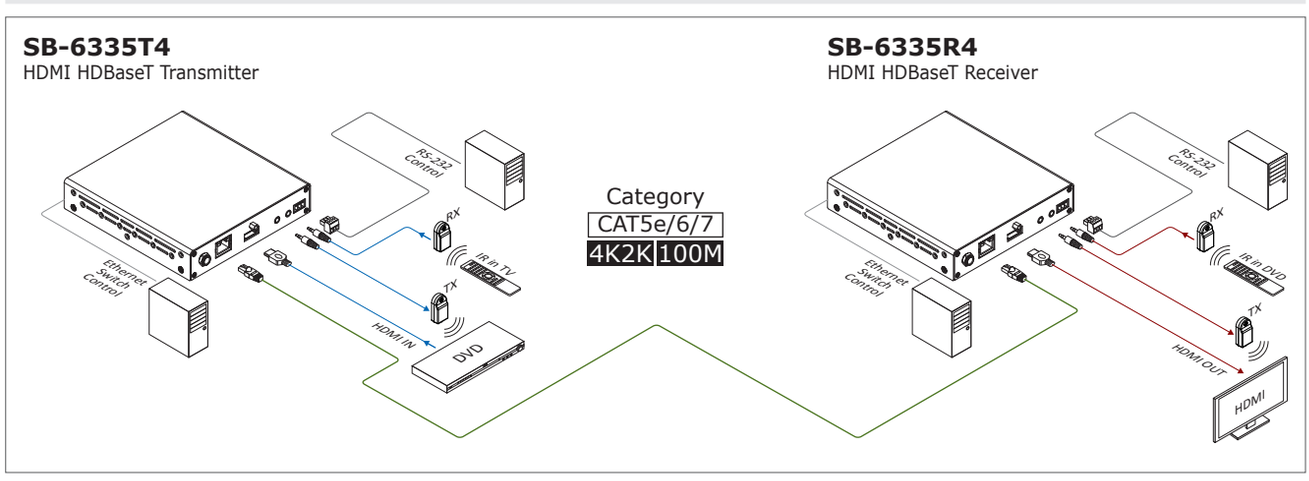
FEATURES

01. HDBaseT Extend HDMI with 3D and 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Transfer Bi-directional Infrared control signal together with the HDMI signal
08. RS-232 port for firmware update or RS-232 control signal transmission
09. Support HDMI CEC between your connected Source and display gear
10. With LED indicators to show the POWER/HDCP/LINK status
11. Transmits HDMI video & audio, Ethernet, RS-232 and Bi-Directional IR
12. Support Super Audio CD (DSD), CEC commands protocol table
13. Mounting Ears and wall mount pack supplied
14. Power supply using universal power switch 50/60Hz, 100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP category Lan cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution; Frequency 24Hz to 120Hz
Controls	IR (in/out), RS-232, LAN
PoE Support	(optional)
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	0.4 kg / 0.88 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6335T/SB-6335R

HDMI HDBaseT Extender

RS-232 | IR in | IR out | 100M

SB-6335T
HDMI HDBaseT Transmitter

Input : 1x HDMI
Output : 1x HDBaseT
Controls : IR (in/out), RS-232

SB-6335R
HDMI HDBaseT Receiver

Input : 1x HDBaseT
Output : 1x HDMI
Controls : IR (in/out), RS-232

Ear Rack :
#WM-1INCH-130MM

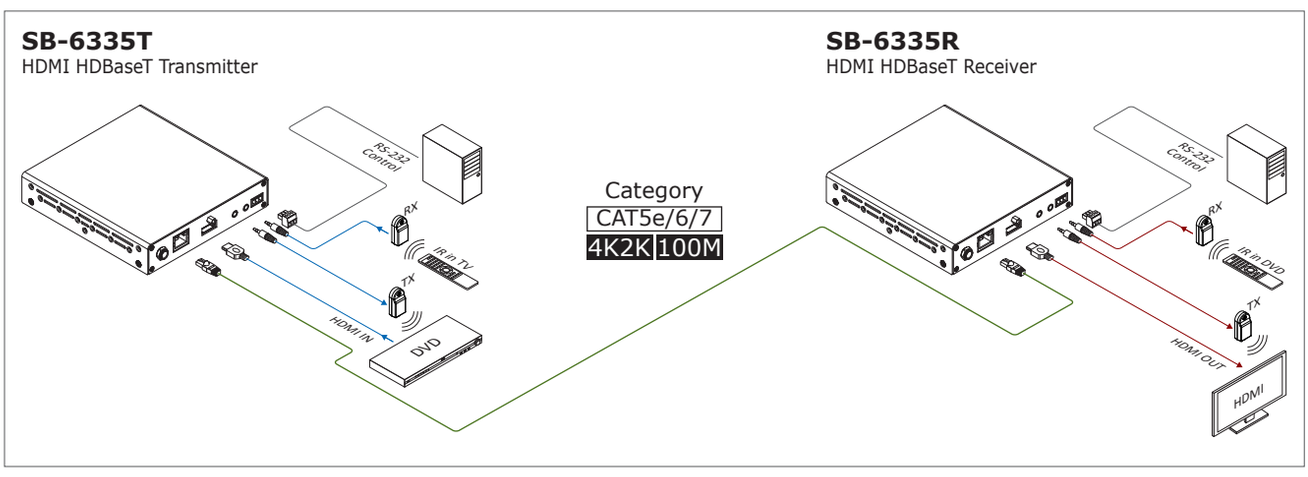
FEATURES

01. HDBaseT Extend HDMI with 3D and 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Transfer Bi-directional Infrared control signal together with the HDMI signal
08. RS-232 port for firmware update or RS-232 control signal transmission
09. Support HDMI CEC between your connected Source and display gear
10. With LED indicators to show the POWER/HDMI/HDCP/LINK status
11. Transmits HDMI video & audio, RS-232 and Bi-Directional IR
12. Support Super Audio CD (DSD), CEC commands protocol table
13. Mounting Ears and wall mount pack supplied
14. Power supply using universal power switch 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP category Lan cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution; Frequency 24Hz to 120Hz
Controls	1x IR in, 1x IR out and 1x Rs232 I/O
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	0.25 kg / 0.55 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6333T3/SB-6333R3

HDMI HDBaseT Extender

RS-232 | IR in | IR out | 100M

SB-6333T3
HDMI HDBaseT Transmitter (100M)

Input : 1x HDMI
Output : 1x HDBaseT
Controls : RS-232, IR (in/out)

SB-6333R3
HDMI HDBaseT Receiver (100M)

Input : 1x HDBaseT
Output : 1x HDMI
Controls : RS-232, IR (in/out)

Ear Rack :
#WM-1INCH-130MM

04

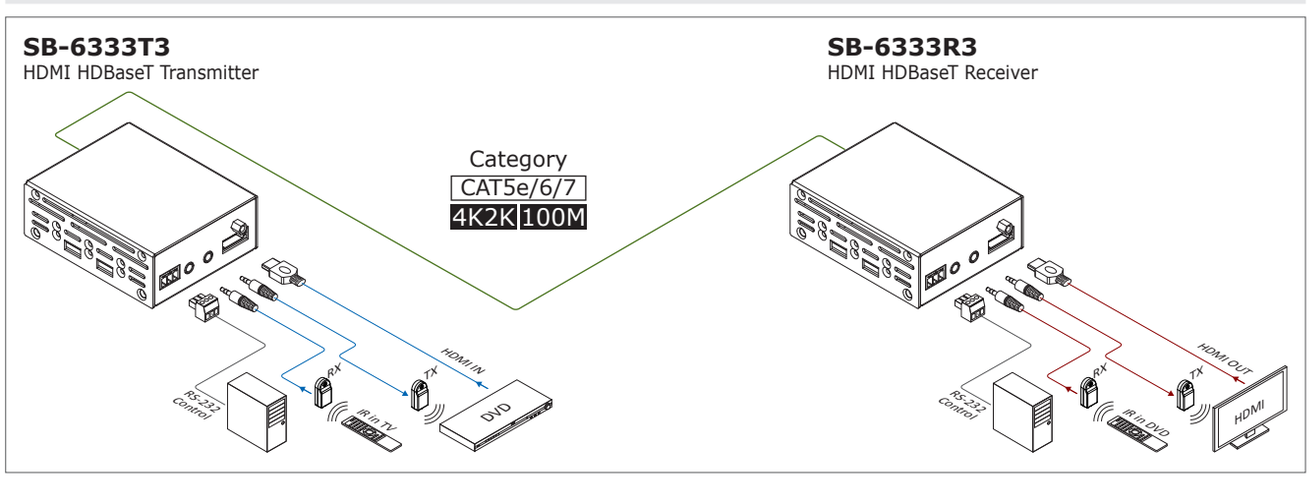
FEATURES

01. HDBaseT Extend HDMI with 3D and 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Transfer Bi-directional Infrared control signal together with the HDMI signal
08. RS-232 port for firmware update or RS-232 control signal transmission
09. Support HDMI CEC between your connected Source and display gear
10. With LED indicators to show the POWER/LINK status
11. Transmits HDMI video & audio, RS-232 and Bi-Directional IR
12. Support Super Audio CD (DSD), CEC commands protocol table
13. Mounting Ears and wall mount pack supplied
14. Power supply using universal power switch 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP category Lan cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution ; Frequency 24Hz to 120Hz
Controls	1x IR in, 1x IR out and 1x RS-232 I/O
Transfer distance	Up to 330ft (100 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	2.55" x 3.14" x 1.14" (65mm x 80mm x 29mm)
Weight	0.25 kg / 0.55 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6333T/SB-6333R

HDMI HDBaseT Extender

RS-232 | IR in | IR out | 70M

SB-6333T
HDMI HDBaseT Transmitter (70M)

Input : 1x HDMI
Output : 1x HDBaseT
Controls : RS-232, IR (in/out)

SB-6333R
HDMI HDBaseT Receiver (70M)

Input : 1x HDBaseT
Output : 1x HDMI
Controls : RS-232, IR (in/out)

Ear Rack :
#WM-1INCH-130MM

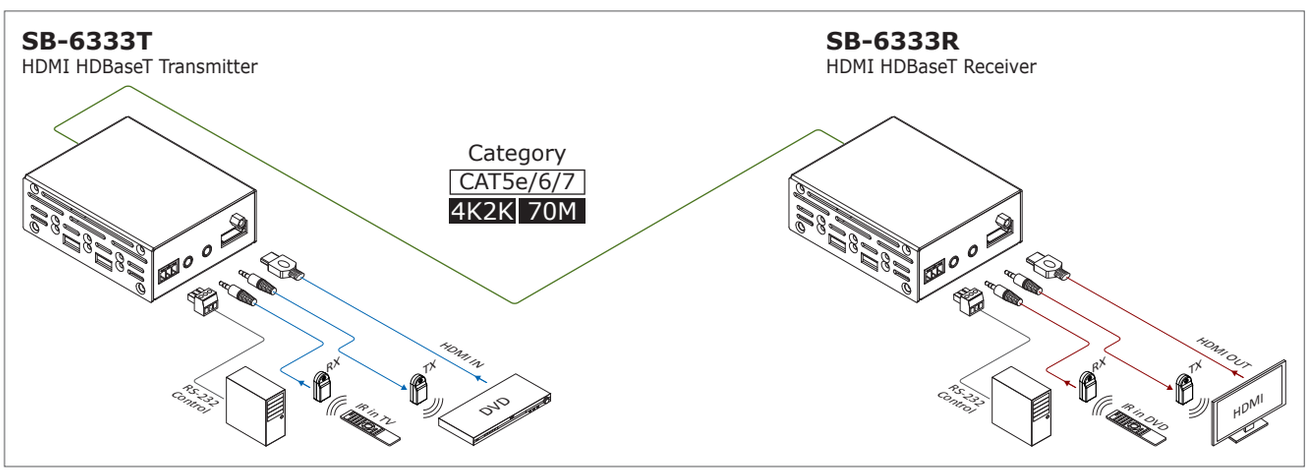
FEATURES

01. HDBaseT Extend HDMI with 3D and 4Kx2K over a single UTP/STP cable up to 230ft (70M)
02. Support HDMI 1080p@60 video V1.4a 3D and Ultra HD 4K2K video, CEC / HDCP compliant
03. Support link speeds of up to Video, TMDS format Max. 8.1 Gbit/s, Signal 340MHz
04. Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio 7.1 LPCM 192KHz, 24bits, Full HD Dolby TrueHD and DTS-HD Master Audio uncompressed HD audio formats
07. Transfer Bi-directional Infrared control signal together with the HDMI signal
08. RS-232 port for firmware update or RS-232 control signal transmission
09. Support HDMI CEC between your connected Source and display gear
10. With LED indicators to show the POWER/LINK status
11. Transmits HDMI video & audio, RS-232 and Bi-Directional IR
12. Support Super Audio CD (DSD), CEC commands protocol table
13. Mounting Ears and wall mount pack supplied
14. Power supply using universal power switch 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for HDMI signal over category UTP/ STP Cable
Input Signals	HDMI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	HDMI 1.4a HDMI format Standard, DVI and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.1 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP category Lan cable
Support HDMI resolutions	480p, 720p 1080i/1080p and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution ; Frequency 24Hz to 120Hz
Controls	1x IR in, 1x IR out and 1x RS-232 I/O
Transfer distance	Up to 230ft (70 meters)
HDMI I/O connectors	HDMI Type A - SMD 19pin Female Type
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI, REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	2.55" x 3.14" x 1.14" (65mm x 80mm x 29mm)
Weight	0.25 kg / 0.55 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6334T5/SB-6334R5

DVI HDBaseT Extender (PoH)

HDBT 4K2K CAPABLE PoH Power Over HDBaseT

LAN | RS-232 | IR in | IR out | 100M

SB-6334T5
DVI HDBaseT Transmitter (PoH)

Input : 1x DVI
Output : 1x HDBaseT (PoH)
Controls : IR (in/out), RS-232, LAN

SB-6334R5
DVI HDBaseT Receiver (PoH)

Input : 1x HDBaseT (PoH)
Output : 1x DVI
Controls : IR (in/out), RS-232, LAN
PoH : Power DC 48V Supports from Transmitter (SB-6334T5)

Ear Rack :
#WM-1INCH-130MM

04

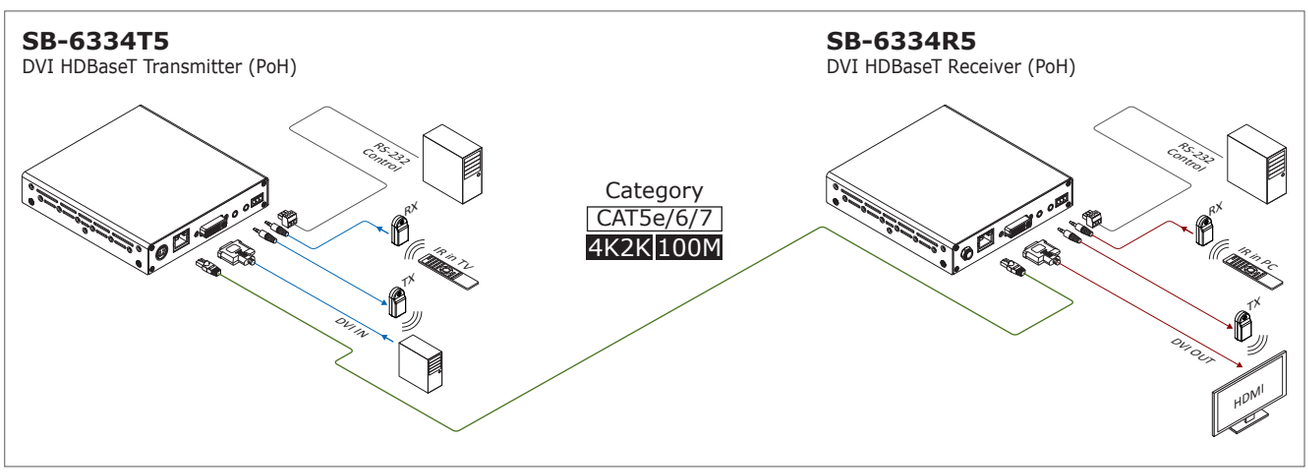
FEATURES

01. DVI-HDBaseT Extend with 3D and HDMI 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support DVI WUXGA 1920x1200@60 video and Ultra HD 4K2K video, HDCP 2.0 compliant
03. Support link speeds of up to Video Max. 8.16 Gbit/s, Signal 340MHz, TMDS format
04. Support HDMI Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio PCM-2CH Digital audio formats
07. HDBaseT Transfer Bi-directional Infrared control signal together with the HDMI signal
08. RS-232 port for firmware update or RS-232 control signal transmission
09. Support DVI CEC between your connected Source and display gear
10. With LED indicators to show the POWER/PoH/HDCP/LINK status
11. 5-Play Transmits DVI, Audio, PoE, Ethernet, RS-232 and Bi-Directional
12. Support Super Audio CD (DSD), CEC commands protocol table
13. Mounting Ears and wall mount pack supplied
14. Power supply using universal power switch 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for DVI signal over category UTP/ STP Cable
Input Signals	DVI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	For DVI format Standard, Video TMDS and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.16 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	PCM-2CH
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP cable
Support DVI resolutions	Up to WUXGA 1920x1200 @ 60Hz and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution ; Frequency 24Hz to 120Hz
Controls	IR (in/out), RS-232, LAN
PoE Support	HDBaseT Transmitter with DC 48V adaptor (SB-6334T5)
Transfer distance	Up to 330ft (100 meters)
DVI I/O connectors	DVI-D - (24+5) pin Female DIP Type (without Audio)
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI & REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	0.4 kg / 0.88 lb
Power Supply	6334T5 : DC 48V, @0.75A 6334R5 : DC 12V, @0.85A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6334T4/SB-6334R4

DVI HDBaseT Extender

LAN | RS-232 | IR in | IR out | 100M

SB-6334T4
DVI HDBaseT Transmitter

Input : 1x DVI
Output : 1x HDBaseT
Controls : IR (in/out), RS-232, LAN

SB-6334R4
DVI HDBaseT Receiver

Input : 1x HDBaseT
Output : 1x DVI
Controls : IR (in/out), RS-232, LAN

Ear Rack :
#WM-1INCH-130MM

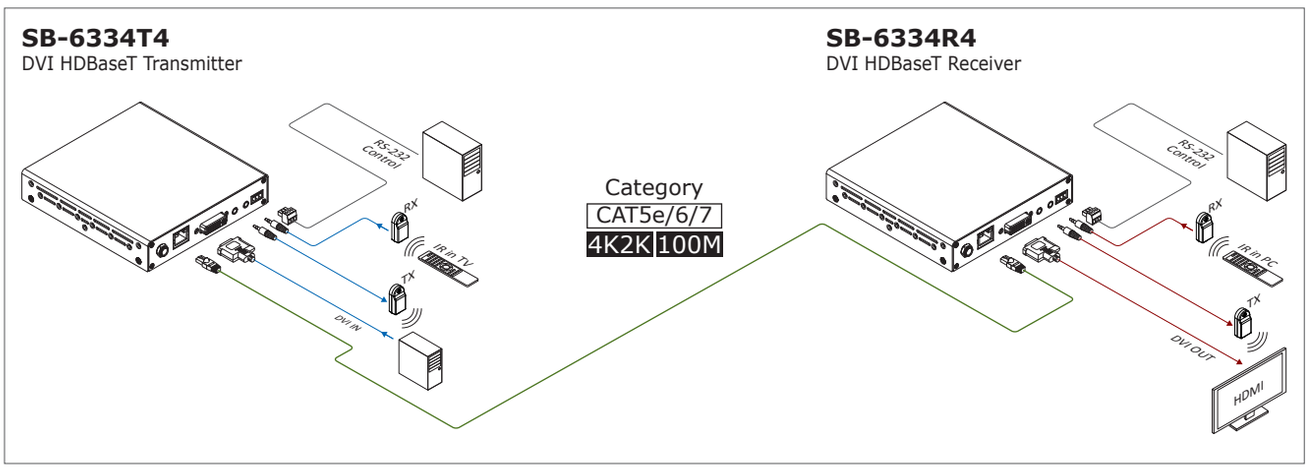
FEATURES

01. DVI-HDBaseT Extend with 3D and HDMI 4Kx2K over a single UTP/STP cable up to 330ft (100M)
02. Support DVI WUXGA 1920x1200@60 video and Ultra HD 4K2K video, HDCP 2.0 compliant
03. Support link speeds of up to Video Max. 8.16 Gbit/s, Signal 340MHz, TMDS format
04. Support HDMI Deep Color, Full HD 1080p@60Hz@24/36/48bit/pixels
05. Support 1080p TV's at 24/30/60/100/120 Hz and above as well as Blu-rays at 24 FPS
06. Support Digital Audio PCM-2CH Digital audio formats
07. HDBaseT Transfer Bi-directional Infrared control signal together with the HDMI signal
08. RS-232 port for firmware update or RS-232 control signal transmission
09. Support DVI CEC between your connected Source and display gear
10. With LED indicators to show the POWER/HDCP/LINK status
11. 4-Play Transmits DVI, Ethernet, RS-232 and Bi-Directional
12. Support Super Audio CD (DSD), CEC commands protocol table
13. Mounting Ears and wall mount pack supplied
14. Power supply using universal power switch 50/60Hz,100~240VAC

SPECIFICATIONS

Type of Extender	HDBaseT Transmitter for DVI signal over category UTP/ STP Cable
Input Signals	DVI with Digital Video(TMDS)/Audio 0.5~1.0vPP, DDC 5Vpp
HDBaseT Signal Supports	For DVI format Standard, Video TMDS and HDCP Compliant
Video Support	HDMI and DVI TMDS format for 1920x1200 resolution up to 8.16 Gbps (340MHz), Digital RGB 48bits/px, deep color, 3D
HDMI Audio I/O Supports	PCM-2CH
Category Cable Support	CAT5e, CAT6, CAT6a, CAT7 UTP/STP cable
Support DVI resolutions	WUXGA 1920x1200 @ 60Hz and Ultra HD 4K2K
Scan Rate Accepted	Support HDMI full HD Resolution; Frequency 24Hz to 120Hz
Controls	IR (in/out), RS-232, LAN
PoE Support	(Optional)
Transfer distance	Up to 330ft (100 meters)
DVI I/O connectors	DVI-D - (24+5) pin Female DIP Type (without Audio)
HDBaseT I/O connectors	HDBaseT RJ-45, 8p8c Female socket
Safety Approvals	CE, FCC, VCCI & REACH
Wall Mount Bracket	1 inch High Wall Mount Bracket (#WM-1INCH-130MM)
Dimension (WxDxH)	5.11" x 5.31" x 1.06" (130mm x 135mm x 27mm)
Weight	0.4 kg / 0.88 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6501T/SB-6501R

HDMI To Fiber Optic Extender

Fiber | IR | 300M

SB-6501T
HDMI To Fiber Optic Transmitter

Input : 1x HDMI, 1x IR (Tx)
Output : 1x Fiber Optic

SB-6501R
HDMI To Fiber Optic Receiver

Input : 1x Fiber Optic
Output : 1x HDMI, 1x IR (Rx)

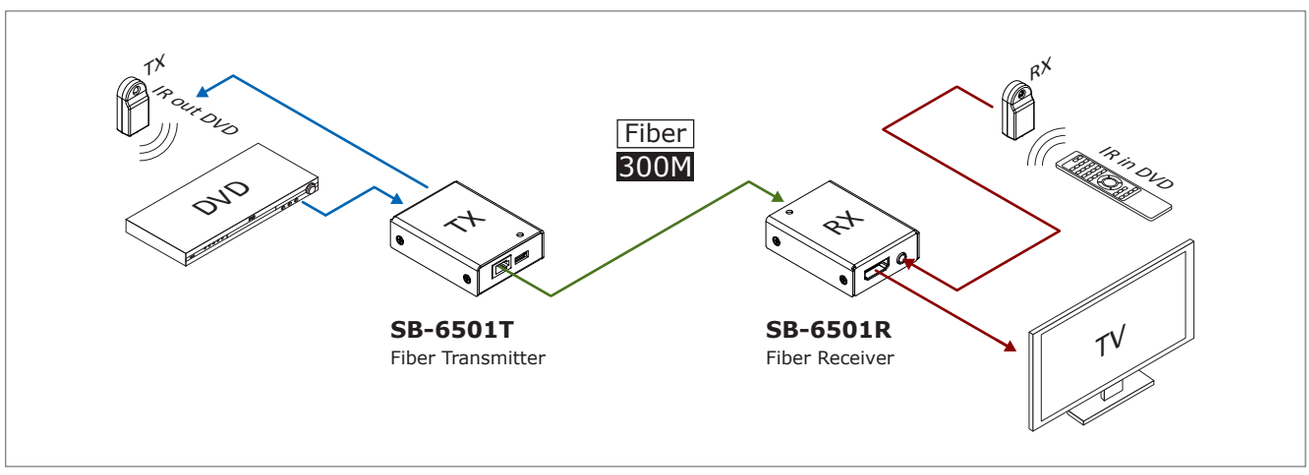
FEATURES

01. HDMI over Optical Fiber Extender
02. Extend HDMI up to 1000ft (300M)
03. Support video resolution up to 1920x1200
04. Available single-strand multimode LC fiber optic cable
05. Support EDID, HDCP and HDCP over DLI, no more EDID learning
06. Proven optical module reliability: TELCORDIA GR-468
07. Signal re-clocking, no TMDS extension to minimize skew
08. Secure data without RFI/EMI emission or loss of video quality
09. Complies with class 1M laser eye safety in compliance with FDA/CDRH and IEC 60825-1
10. Support IR signal to control source from Fiber receiver side

SPECIFICATIONS

Type of Extender	Fiber Transmitter for HDMI signal over Optical Fiber Cable
Input Signals	HDMI
Signal Support	HDMI 1.3a HDMI format Standard and HDCP Compliant
Video Support	1920 x 1200 / 1080P @ 60Hz, resolution allowed by HDCP V1.2 up to 165MHz pixel clock
Audio Support	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Dynamic EDID	Plug & Play, no need to learn
Fiber Connector	LC Receptacle
Controls	1x IR in, 1x IR out
Transfer distance	Multi Mode, up to 1000 ft
Operating Temperature	0°C to + 50°C
Storage Temperature	-20°C to + 85°C
Humidity	0 to 90% RH (non-condensing)
Safety Approvals	CE
Dimension (WxDxH)	2.18" x 1.63" x 0.62" (55.6mm x 41.5mm x 16mm)
Weight	0.1 kg / 0.22 lb
Operation Voltage	5 DVC
Power Supply	Power Input +5VDC, 0.85A (Universal Type 50/60Hz, 100~240 VAC)

DIAGRAM TYPICAL



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SB-6502T/SB-6502R

DVI To Fiber Optic Extender

Fiber DVI 300M

SB-6502T
DVI To Fiber Optic Transmitter

Input : 1x DVI
Output : 1x Fiber Optic

SB-6502R
DVI To Fiber Optic Receiver

Input : 1x Fiber Optic
Output : 1x DVI

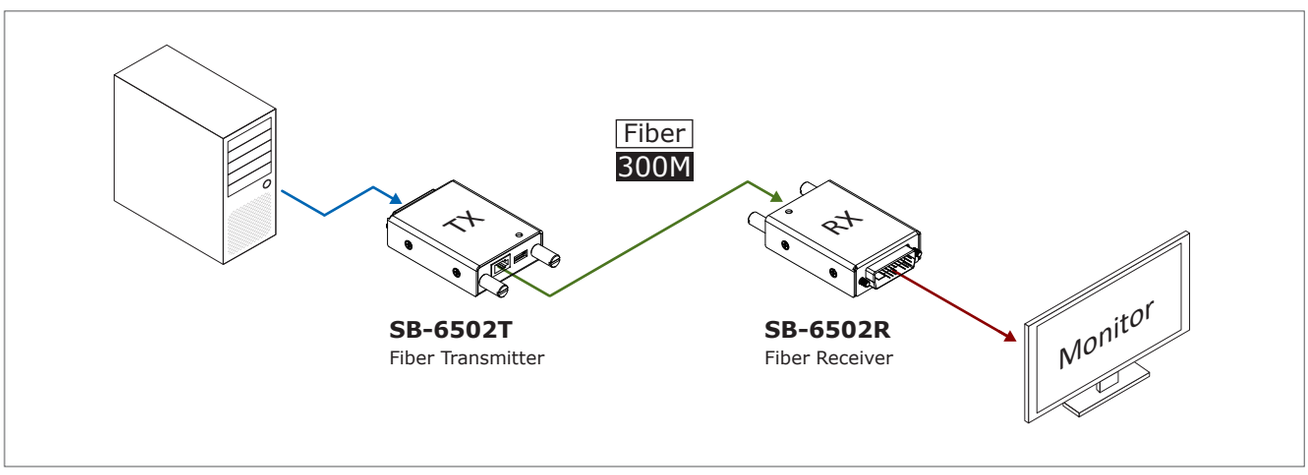
FEATURES

01. DVI over Optical Fiber Extender
02. Extend DVI up to 1000ft (300M)
03. Support video resolution up to 1920x1200
04. Available single-strand multimode LC fiber optic cable
05. Support EDID, HDCP and HDCP over DLI, no more EDID learning
06. Proven optical module reliability: TELCORDIA GR-468
07. Signal re-clocking, no TMDS extension to minimize skew
08. Secure data without RFI/EMI emission or loss of video quality
09. Complies with class 1M laser eye safety in compliance with FDA/CDRH and IEC 60825-1
10. Support DDWG standard for DVI compliant monitors

SPECIFICATIONS

Type of Extender	Fiber Transmitter for DVI signal over Optical Fiber Cable
Input Signals	DVI-D
Video Support	1920 x 1200 / 1080P @ 60Hz, resolution allowed by HDCP V1.2 up to 165MHz pixel clock
Dynamic EDID	Plug & Play, no need to learn
Fiber Connector	LC Receptacle
Transfer distance	Multi Mode, up to 1000 ft
Operating Temperature	0°C to + 50°C
Storage Temperature	-20°C to + 85°C
Humidity	0 to 90% RH (non-condensing)
Safety Approvals	CE
Dimension (WxDxH)	2.19" x 1.63" x 0.63" (55.6mm x 41.5mm x 16mm)
Weight	0.1 kg / 0.22 lb
Operation Voltage	+5VDC
Power Supply	Power Input +5VDC, 0.85A (Universal Type 50/60Hz, 100~240 VAC)

DIAGRAM TYPICAL



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SB-6531T/SB-6531R

HDMI To Fiber Optic Extender

Fiber IR 300M

SB-6531T
HDMI To Fiber Optic Transmitter

Input : 1x HDMI
Output : 1x Fiber Optic

SB-6531R
HDMI To Fiber Optic Receiver

Input : 1x Fiber Optic
Output : 1x HDMI

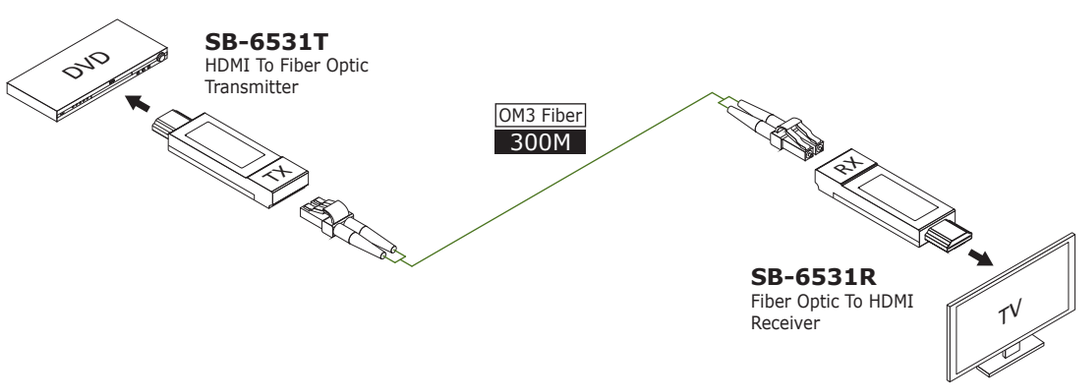
FEATURES

01. HDMI over Optical Fiber Extender
02. Extend HDMI up to 1000ft (300M)
03. Support link speed up to 10.2Gpbs
04. Support video resolution up to 4K2K
05. Available single-strand multimode LC fiber optic cable
06. Support EDID, HDCP and HDCP over DLI, no more EDID learning
07. Proven optical module reliability: TELCORDIA GR-468
08. Signal re-clocking, no TMDS extension to minimize skew
09. Secure data without RFI/EMI emission or loss of video quality
10. Complies with class 1M laser eye safety in compliance with FDA/CDRH and IEC 60825-1

SPECIFICATIONS

Type of Extender	Fiber Transmitter for HDMI signal over Optical Fiber Cable
Input Signals	HDMI
Signal Support	HDMI 1.4a HDMI format Standard and HDCP Compliant
Video Support	1920 x 1200 / 1080P @ 60Hz, up to 4K2K @ 30Hz
Audio Support	Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6.1, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
Dynamic EDID	Plug & Play, no need to learn
Fiber Connector	Double LC Receptacle
Transfer distance	Multi Mode, up to 1000 ft
Operating Temperature	0°C to + 50°C
Storage Temperature	-20°C to + 85°C
Humidity	to 90% RH (non-condensing)
Safety Approvals	CE
Dimension (WxDxH)	3.15" x 0.79" x 0.35" (80mm x 20mm x 9mm)
Weight	0.1 kg / 0.22 lb
Operation Voltage	5 DVC
Power Supply	Power Input +5VDC, 0.85A (Universal Type 50/60Hz, 100~240 VAC)

DIAGRAM TYPICAL



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SB-6532

Wireless RS-232 Extender

Wireless Controls : RS-232

RS-232 300M

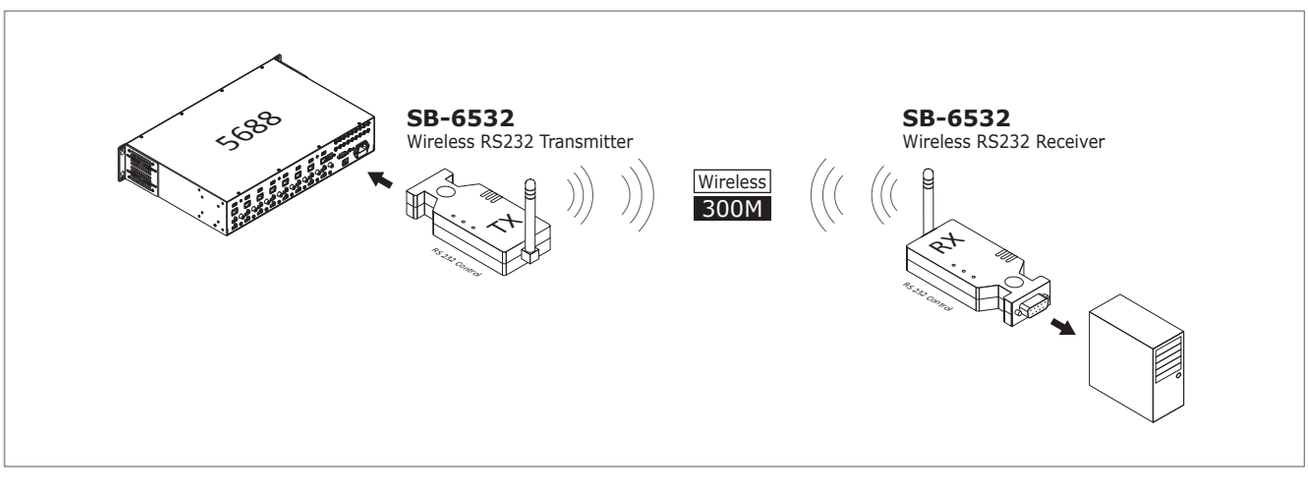
FEATURES

01. Wireless RS-232 adaptor
02. Support point to point or point to multi-point connection
03. Easy and free programming
04. Wireless transmit distance up to 300m
05. Frequency bandwidth with 433MHz@FSK modulation
06. Support UART Interface(Half-duplex Transmission)
07. Support Two-wire (TXD / RXD) and Four-wire (TXD / RXD / CTS / RTS) switching
08. 64 Byte TX/RX data FIFO
09. Support text and File data RF Transmitter
10. Support Two way date RF Transmitter
11. Build-In hopping with Anti-interference
12. Direct I/O with Baud rate option
13. Support RS-232 RF repeater and extender
14. Support DTE / DCE switching

SPECIFICATIONS

Type of Extender	Wireless RS-232 Extender
UART Baud Rate Support	1,200 / 2,400 / 4,800 / 9,600/ 19,200 / 38,400 / 57,600 / 115.200 bps
UART Interface	Half-duplex Transmission
RF Transmitter Support	Text and file date
Hopping Frequency	433.3MHz, 433.6MHz, 434MHz, 3Channel
Receiver Sensitivity	-103 dBm @250K bps
Frequency bands	433 MHz@FSK modulation
Data Rate	100Kbps
Distance	300m
RS-232 Interface	TXD / RXD and CTS / RTS
TX power	up to 17 dBm @ 433.92MHz
Supply Voltage	2.5V ~ 3.3V
Low consumption	TX : 30mA, RX : 14mA @10dBm
Dimension (WxDxH)	3.58" x 1.65" x 0.78" (91mm x 42mm x 20mm)
Weight	47.5 g / 0.1 lb

DIAGRAM TYPICAL



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SB-6225

HDMI Extender

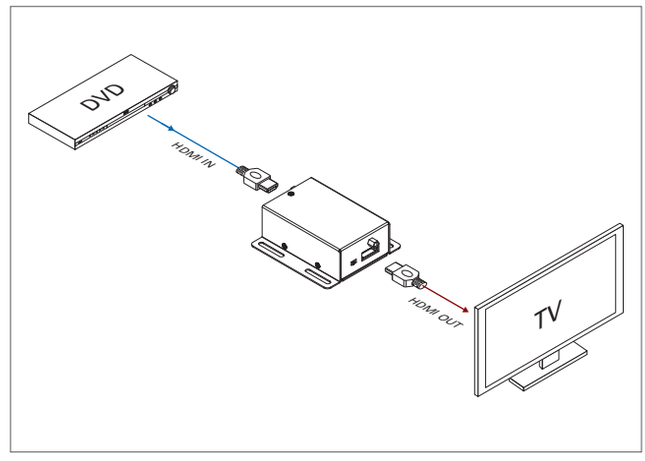
Input : 1x HDMI
Output : 1x HDMI

EXTENDER

INTRODUCTION

The SB-6225 is a HDMI™ extender and will extend the HDMI™ signals up to100 feet. In its basic configuration, the SB-6225 links two HDMI™ cables to create a longer extension up to 100 feet. SB-6225 repeaters can be daisy chained, to create much longer HDMI™ extensions up to 360 feet. The SB-6225 supports the HDMI™ 1.3, 1.4a 3D version ,1080p HD resolution and multi-channels digital audio for the best signal quality. Standard installation involves using HDMI™ cable -- up to 50 feet long which is connected from HDMI™ source (DVD player,PS3, set-topbox) to the HDMI™ input jack on the SB-6225. The another HDMI™ cable runs from the SB-6225 output jack to the HDTV display -- up to 50 feet away.

DIAGRAM TYPICAL



FEATURES

01. HDMI signal Digital Video TMDS /Audio 30M Extender
02. HDMI digital Video/Audio and DVI format and HDCP compliant
03. Support link speeds of up to 3.4 Gbps
04. Support Digital RGB 36bits HDMI TMDS format deep color
05. Extension with high quality video 1920x1200 for 1080p-60Hz
06. Support HD High Definition resolution 408p, 720p 1080i/1080p
07. Support High quality Digital Audio format with DTS-HD Master Audio, Dolby True-HD & Dolby
08. Long distance extend between Blu-Ray HDMI player and HDMI display
09. Easy to install without any adjustment
10. Wall mountable
11. Power DC 12V input with Low power consuming

SPECIFICATIONS

Type of Extender	HDMI signal for distance 30M Extender
Signal Support	Compliant with HDMI 1.4a and DVI 1.1 standards, HDCP Compliant
Support HD resolution	Capable of supporting the following digital video formats in Deep Color Mode at up to 36 bits (12 bits/color):DTV resolutions: 480i, 576i, 480p, 576p, 1080i to 1080p, PC resolutions: VGA, SVGA, XGA, SXGA to UXGA
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Safety Approval	CE, FCC, VCCI, REACH, WEEE, Erp
Dimension (WxDxH)	2.63" x 2.75" x 0.98" (67mm x 70mm x 25mm)
Weight	0.15 kg / 0.33 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-6225K

HDMI 4K2K Extender

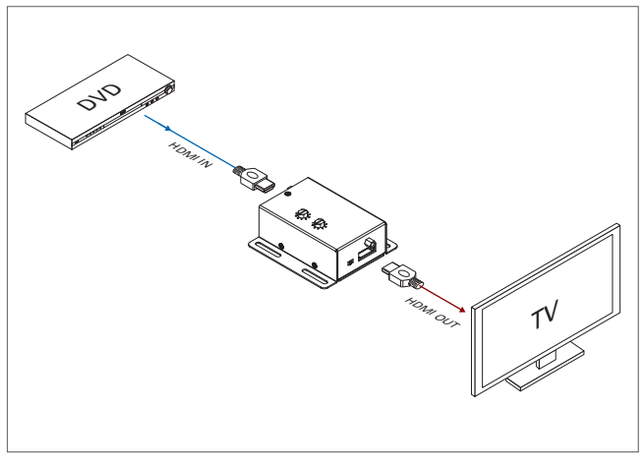
Input : 1x HDMI
Output : 1x HDMI

EXTENDER

INTRODUCTION

The SB-6225K is a HDMI™ extender and will extend the HDMI™ signals up to 50m. SB-6225K repeaters can be daisy chained, to create much longer HDMI™ extensions up to 50m. The SB-6225K supports the HDMI™ 1.3, 1.4a 3D version ,1080p HD resolution up to 4K2K and multi-channels digital audio for the best signal quality. Support link speed up to 6.75Gpbs. Standard installation involves using HDMI™ cable -- up to 25m long which is connected from HDMI™ source (DVD player,PS3, set-topbox) to the HDMI™ input jack on the SB-6225K. The another HDMI™ cable runs from the SB-6225K output jack to the HDTV display -- up to 25m away.

DIAGRAM TYPICAL



FEATURES

01. HDMI signal Digital Video TMDS /Audio 50M Extender
02. HDMI digital Video/Audio and DVI format and HDCP compliant
03. Support link speeds of up to 6.75 Gbps
04. Support Digital RGB 36bits HDMI TMDS format deep color
05. Support HD High Definition resolution 408p, 720p 1080i/1080p and 4K2K
06. Support EQ and De Emphasis Management
07. Support High quality Digital Audio format with DTS-HD Master Audio, Dolby True-HD & Dolby
08. Long distance extend between Blu-Ray HDMI player and HDMI display
09. Easy to install without any adjustment
10. Surface mounting bracket included
11. Power DC 12V input with Low power consuming

SPECIFICATIONS

Type of Extender	HDMI signal for distance 50M Extender
Signal Support	Compliant with HDMI 1.4 standards, HDCP Compliant
Support HD resolution	DTV resolutions : 480i, 576i, 480p, 576p, 1080i , 1080p and up to 4K2K PC resolutions : VGA, SVGA, XGA, SXGA to UXGA
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Safety Approval	CE, FCC
Dimension (WxDxH)	2.63" x 2.75" x 0.98" (67mm x 70mm x 25mm)
Weight	0.15 kg / 0.33 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5609

HDMI To HDMI · S/PDIF · Audio Extractor

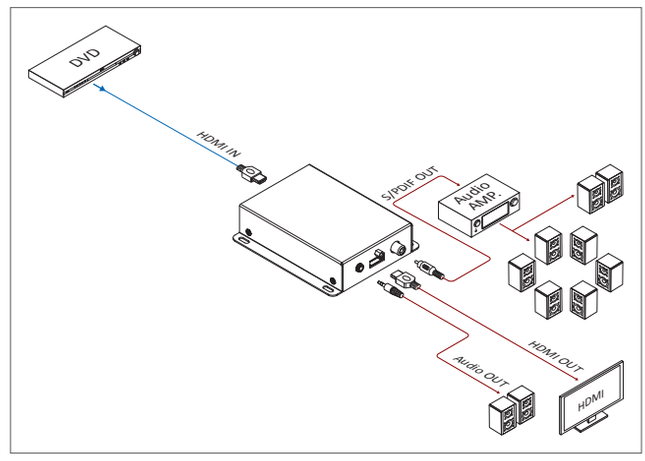
Input : 1x HDMI
Output : 1x HDMI, 1x S/PDIF, 1x Audio

HDMI | S/PDIF | AUDIO | EXTRACTOR

INTRODUCTION

SB-5609 is the high quality HDMI™ Audio Extractor. This Extractor supports HDMI™ Repeater and Equalizer between HDMI™ player and display. SB-5609 supports HDMI™ 1.3, 1.4a, DVI 1.0 compliant and HDCP 2.0 specification. Audio support PCM 2-channel IIS/DSD, S/PDIF and HDMI™ outputs, Video support 36 bits Deep Color up to 1080p-60 (225 MHZ).This device allows you to extract analogue audio LPCM2 and digital audio S/PDIF from the HDMI™ signal while still sending the original audio and video signal to your HD devices. When using a display without speakers you can still extract the analogue audio to external speakers or digital audio to an Amplifier.

DIAGRAM TYPICAL



FEATURES

01. HDMI Digital Audio S/PDIF and Analogue Audio Extractor
02. HDMI 1.3, HDMI 1.4a 3D format, DVI 1.0 and HDCP compliant.
03. Support HDMI in/out Repeater with Equalizer.
04. Support 3D Video Format in HDMI 1.4
05. Support SD/HD Digital Audio 2-Channel IIS/DSD and S/PDIF Audio.
06. Support wide Frequency Range: 25MHz~225MHz TMDS colck.
07. Support RGB 12bits HDMI Deep Color up to 1080p(225Mhz TMDS clock).
08. Support HD High Definition resolutions HDMI 408p, 720p 1080i/1080p
09. Support DVI resolutions up to UXGA (1920x1200).
10. Digital Audio S/PDIF format with DTS 5.1, Dolby 5.1 & PCM2
11. Support three EDID: TV-passing EDID to source, PCM-2CH and Bitstream
12. Cable support in/out distance 15M depend on the HDMI cable quality.
13. Mounting easy for Wall mountable
14. Power 12VDC input with Low power consumes

SPECIFICATIONS

Type of Extractor	HDMI digital Audio S/PDIF and Analogue Audio
HDMI Support	HDMI 1.3, HDMI 1.4a 3D format, DVI 1.0, DDC 5Vpp
HDCP	Compliant with HDCP 2.0 specification
EDID	TV-passing EDID to source, PCM-2CH and Bitstream
Video	1080p HDMI format and DVI 1920x1200 resolution Digital RGB 12bits format deep color TMDS clock
Audio Support	Audio port : PCM-2CH S/PDIF port : DTS 5.1, Dolby 5.1, PCM-2CH HDMI port : PCM-2CH, PCM 7.1, DTS 5.1, Dolby 5.1, Dolby Digital 7.1, DTS HD7.1, MAP(MLP) 7.1, One Bit Audio 2CH
3D Support	3D Video format for HDMI 1.4a (223MBHz)
Frequency Range	HDMI 25MHz ~ 225MHz TMDS clock
Cable distance	in/out 15M Totally 20~30M depend on HDMI cable quality
Safety Approval	CE, FCC
Dimension (WxDxH)	4.44" x 3.85" x 1.08" (113mm x 98mm x 27.5mm)
Weight	0.35 kg / 0.77 lb
Power Supply	DC 12V, @0.42A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5610

HDMI ARC Control Box

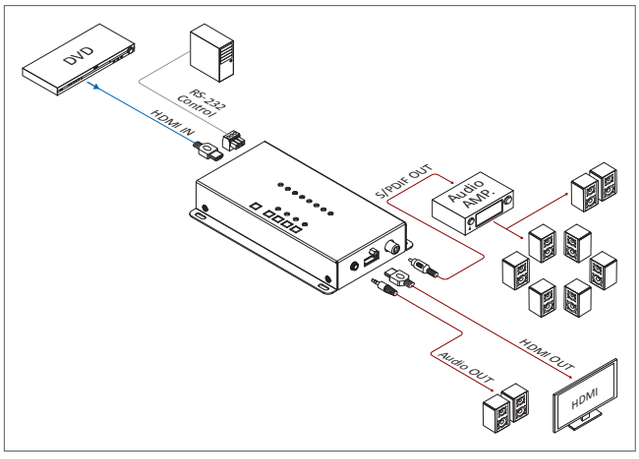
Input : 1x HDMI
Output : 1x HDMI, 1x S/PDIF, 1x Audio

HDMI | AUDIO | EXTRACTOR | ARC | S/PDIF

INTRODUCTION

SB-5610 is a high quality HDMI™ ARC Control Box with HDMI™ Audio Extractor. Audio are ARC, DVD Source, S/PDIF and Analog stereo. This control Box can link audio (ARC or Source S/PFID) to TV or Audio Amplifier and turn ON/OFF the TV or Audio Amplifier speaker. The Audio Extractor support HDMI™ Repeater and Equalizer between HDMI™ player and display. SB-5610 supports HDMI™ 1.3, HDCP 2.0 and DVI 1.0 compliant, HDMI™ 1.4a, 3D formats. Audio support PCM 2-channel IIS/DSD, S/PDIF and HDMI™ outputs, Video support 36 bits Deep Color up to 1080p-60Hz (225 MHZ). This device allows you to extract analogue audio LPCM2 and digital audio S/PDIF from the HDMI™ signal while still sending the original audio video signal to your HD devices. When using a display without speakers you can still extract the analogue audio to external speakers or digital audio to an Amplifier.

DIAGRAM TYPICAL



FEATURES

01. HDMI ARC Control Box with Source S/PDIF and Analogue Audio Extractor
02. HDMI 1.3, HDMI 1.4a 3D format, DVI 1.0 and HDCP compliant
03. Support HDMI in/out Repeater with Equalizer
04. Support HDMI 3D Video Format in HDMI 1.4
05. Support SD/HD Digital Audio 2-Channel IIS/DSD and S/PDIF Audio
06. Support wide Frequency Range: 25MHz~225MHz TMDS colck
07. Support RGB 12bits HDMI Deep Color up to 1080p(225MHz TMDS clock)
08. Support HD High Definition resolutions HDMI 408p, 720p 1080i/1080p
09. Support DVI resolutions up to UXGA (1920x1200)
10. Digital Audio S/PDIF format with DTS 5.1, Dolby 5.1 & PCM2
11. Analog audio support : LPCM2
12. Support EDID : TV-passing EDID to source, PCM-2CH and Bitstream
13. Turn Audio of TV or Audio Amplifier Speakers ON or OFF
14. Support HDMI cable distance up to 50 feet (15M)
15. Wall mountable using the build-in tabs
16. Universal World Wide 100VAC~240VAC 50/60Hz power supply

SPECIFICATIONS

Type of Extractor	DMI Extractor ARC-Source S/PDIF-Analogue Audio
HDMI Compliant	HDMI 1.3, HDMI 1.4a 3D format, DVI 1.0
EDID Support	TV-passing EDID to source,PCM-2ch and Bitstream
Video Support	1080p HDMI format and DVI 1920x1200 resolution Digital RGB 12bits format deep color TMDS clock
Audio Support	PCM-2CH
S/PDIF port	DTS 5.1, Dolby 5.1, PCM-2CH
HDMI port	PCM-2CH, PCM 7.1, DTS 5.1, Dolby 5.1, Dolby Digital 7.1, DTS HD7.1, MAP(MLP) 7.1, one-Bit Audio 2CH
3D Support	3D Video format for HDMI 1.4a (225MHz)
Frequency Range	HDMI 25MHz ~ 225MHz TMDS clock
ARC Control	Audio Return Channel via TV HDMI ARC port
Audio Extractor	ON or OFF TV or Audio Amplifier
Cable distance	Total of 15M (depend on HDMI cable quality)
Safety Approval	CE, FCC
Dimension (WxDxH)	6.22" x 3.85" x 1.08" (158mm x 98mm x 27.5mm)
Weight	0.45 kg / 0.99 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-6110/SB-6110R

VGA-Audio CAT5 Extender

VGA AUDIO CAT5

SB-6110
VGA-Audio Transmitter

Input : 1x VGA / Audio
Output : 1x CAT5

SB-6110R
VGA-Audio Receiver

Input : 1x CAT5
Output : 1x VGA / Audio

04

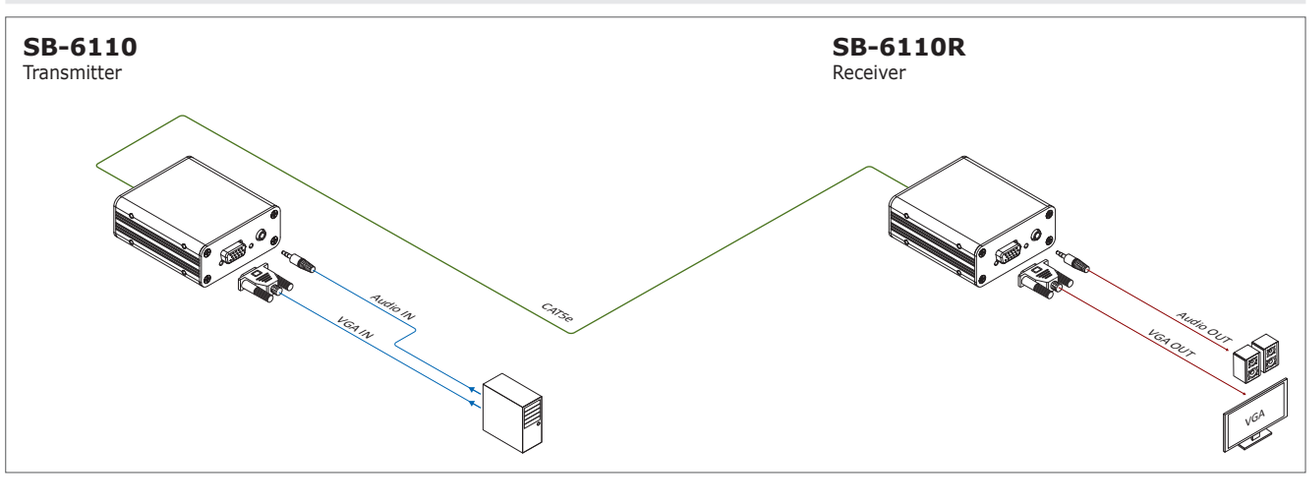
FEATURES

01. Support VGA-RGBHV & Stereo Audio(AR/AL) CAT-5 Transmitter and Receiver Extender.
02. SB-6110 : Input : 1x VGA+Audio
    Output : 1x CAT5
    SB-6110R : Input : 1x CAT5
    Output : 1x VGA+Audio
03. Support PC Resolution VGA(640x480) / SVGA(800x600) / XGA(1024x768) / SXGA(1280x1024) / UXGA(1600x1200), WUXGS(1900x1200)
04. Support HDTV Resolution 480p / 720p / 1080i / 1080p
05. Adjustment buttons of RGB. Brightness and TINT on SB-6110R
06. Extension distance is up to 100m(330ft) for SB-6110R and 300M (1000ft) for SB-6110R2
07. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	Transmitter (TX) / Receiver (RX)
Type of Signal	VGA (RGBHV) & Stereo Audio (AR/AL) connectors
Video Bandwidth	Large signal Bandwidth : 225Mhz, -3dB Small Signal Bandwidth : 450Mhz, -3dB
Output balance error	-60dB @ 50Mhz
High Isolation between Amplifier	80dB @ 10Mhz
Audio-In Impedance	10 Ohms
Audio Frequency Response	20HZ to 20KHz, +/-1db
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	2.59" x 2.87" x 1.14" (66mm x 73mm x 29mm)
Weight	0.17 kg / 0.37 lb
Power Supply	DC 12V, @0.1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6210/SB-6210R

VGA-Audio CAT5 Extender

VGA AUDIO CAT5

SB-6210
2Way VGA-Audio Transmitter

Input : 1x VGA / Audio
Output : 2x CAT5

SB-6210R
2Way VGA-Audio Receiver

Input : 1x CAT5 + 1 Loop Output Port
Output : 1x VGA / Audio

04

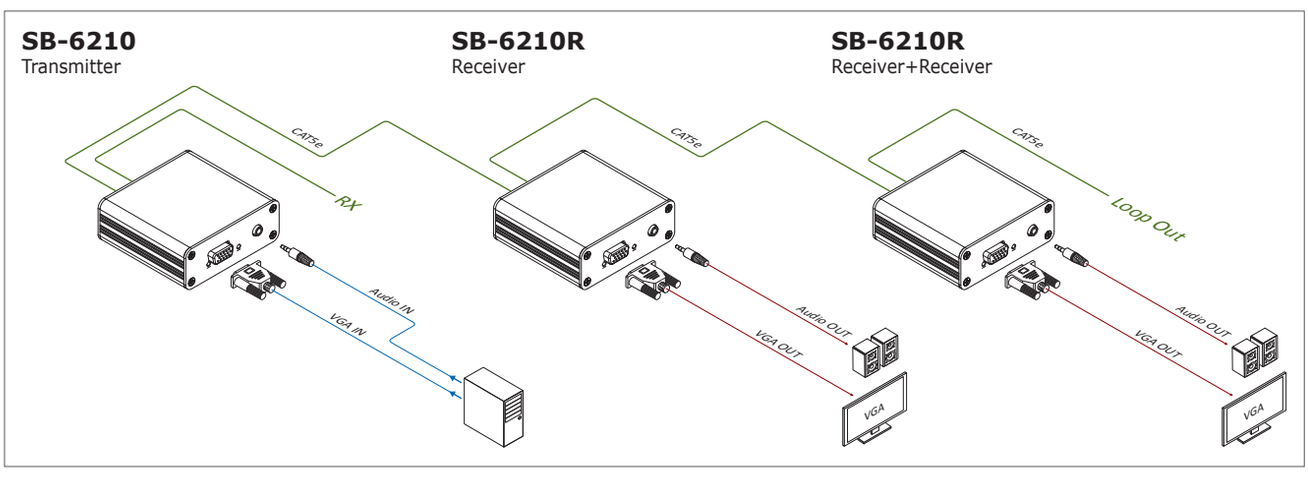
FEATURES

01. Support VGA-RGBHV & Stereo Audio(AR/AL), CAT5 Transmitter and Repeater + Receiver Extende
02. SB-6210 : Input : 1x VGA+ Audio
    Output : 2x CAT5
03. SB-6210R : Input : 1x CAT5 + 1 Loop Output Port
    Output : 1x VGA+ Audio
04. Support PC Resolution VGA(640x480) / SVGA(800x600) / XGA(1024x768) / SXGA(1280x1024) / UXGA(1600x1200)
05. Support HDTV Resolution 480p / 720p / 1080i / 1080p
06. Support one Loop Output port
07. Extension distance is up to 100m(330ft)
08. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	Transmitter (TX) / Repeater + Receiver (RX)
Type of Signal	VGA (RGBHV) & Stereo Audio (AR/AL) connectors
Video Bandwidth	Large Signal Bandwidth : 225Mhz, -3dB Small Signal Bandwidth : 450Mhz, -3dB
Output Balance Error	-60dB @ 50Mhz
High Isolation between Amplifier	80dB @ 10Mh
Audio- in Impedance	10 Ohms
Audio Frequency Response	20HZ to 20KHz, +/-1db
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	3.07" x 2.87" x 1.14" (78mm x 73mm x 29mm)
Weight	0.18 kg / 0.39 lb
Power Supply	DC 12V, @0.25A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6310/SB-6310R

VGA-Audio CAT5 Extender

VGA AUDIO CAT5

SB-6310
4Way VGA-Audio Transmitter

Input : 1x VGA / Audio + 1 Preview port
Output : 4x CAT5

SB-6310R
2Way VGA-Audio Receiver

Input : 1x CAT5 + 1 Loop Output Port
Output : 2x VGA / Audio

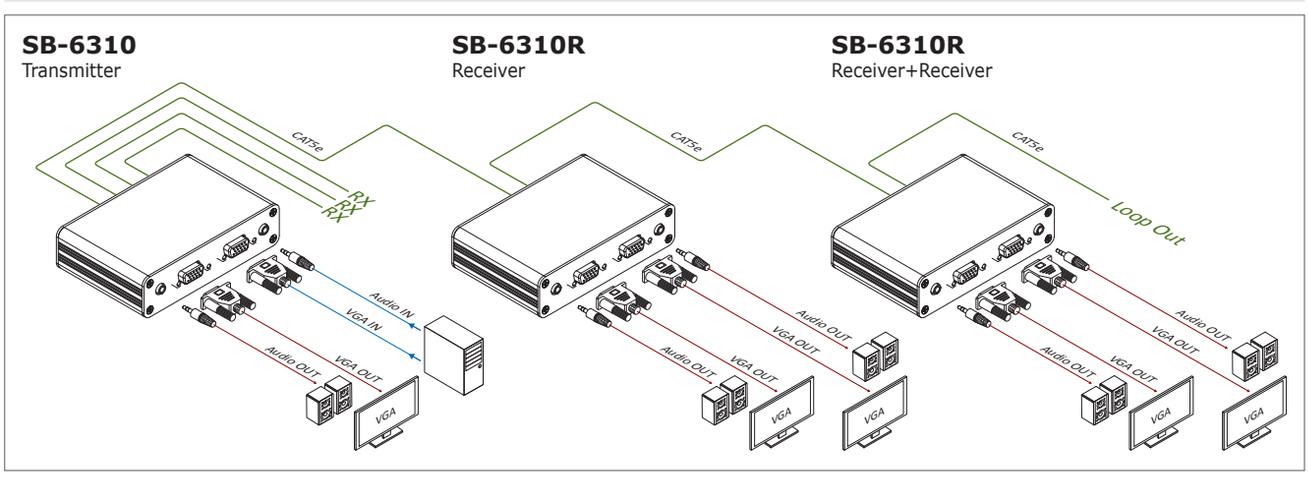
FEATURES

01. Support VGA-RGBHV & Stereo Audio(AR/AL) CAT-5 Transmitter and
02. Repeater + Receiver Extender
03. SB-6310: Input : 1x VGA / Audio + 1 Preview port
    Output : 4x CAT5
04. SB-6310R: Input : 1x CAT5 + 1 Loop Output Port
    Output : 2x VGA / Audio
05. Support PC Resolution: VGA(640x480) / SVGA(800x600) / XGA(1024x768) / SXGA(1280x1024) / UXGA(1600x1200)
06. Support HDTV Resolution: 480p / 720p / 1080i /1080p
07. Support one Loop Output port
08. Support adjustment of RGB signals TINT and BRIGHTNESS
09. Extension distance is up to 100m(330ft)
10. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	Transmitter (TX) / Repeater + Receiver (RX)
Type of Signal	VGA (RGBHV) & Stereo Audio (AR/AL) connectors
Video Bandwidth	Large Signal Bandwidth : 225Mhz, -3dB Small Signal Bandwidth : 450Mhz, -3dB
Output Balance Error	-60dB @ 50Mhz
High Isolation between Amplifier	80dB @ 10Mhz
Audio- In Impedance	10 Ohms
Audio Frequency Response	20HZ to 20KHz, +/-1db
Safety Approvals	CE, FCC,VCCI
Dimension (WxDxH)	4.44" x 2.87" x 1.14" (113mm x 73mm x 29mm)
Weight	0.2 kg / 0.44 lb
Power Supply	DC 12V, @0.25A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6135/SB-6135R

Composite Video · Digital · Audio CAT5 Extender

COMPOSITE VIDEO DIGITAL AUDIO CAT5

SB-6135
Composite Video · Digital · Audio Transmitter

Input : 1x Composite Video or Digital Audio and Stereo Audio (AR/AL)
Output : 1x CAT5

SB-6135R
Composite Video · Digital · Audio Receiver

Input : 1x CAT5
Output : 1x Composite Video or Digital Audio and Stereo Audio (AR/AL)

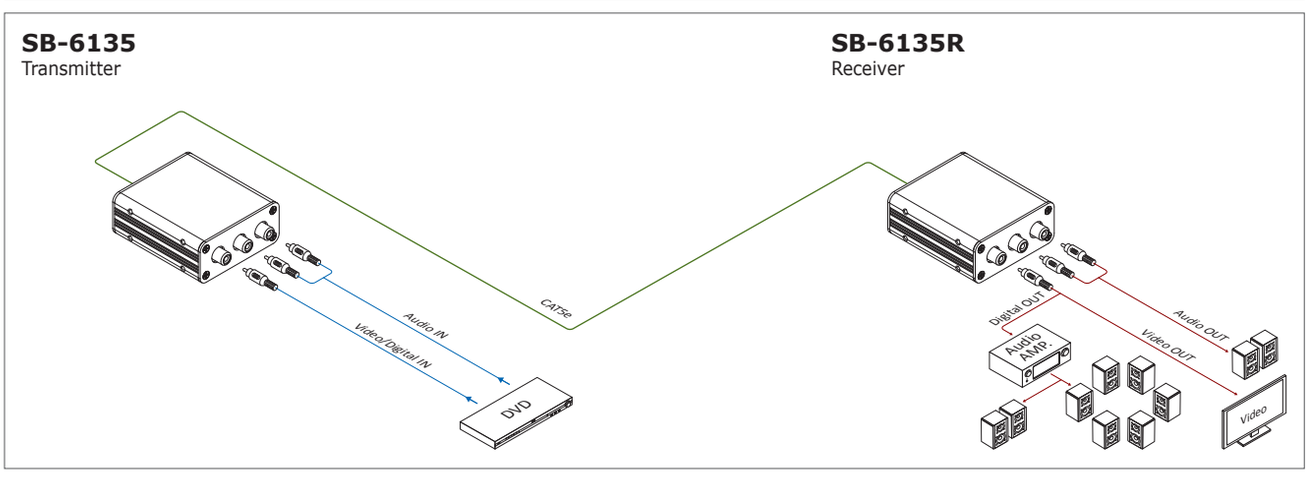
FEATURES

01. Support Composite Video or Digital Audio(S/PDIF)/Stereo Audio over CAT5 Extension
02. SB-6135 : Input : 1x Composite Video or Digital Audio and Stereo Audio
    Output:1x CAT5
03. SB-6135R : Input : 1x CAT5
    Output : 1x Composite Video or Digital Audio and Stereo Audio
04. Support HDTV Resolution: 480p / 720p / 1080i / 1080p
05. Extending for long distance up to 100M (330ft)
06. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	Transmitter (TX) / Repeater + Receiver (RX)
Type of Signal	Composite Video or Digital Audio (PCM) / Stereo Audio via 3x RCA connectors
Video Bandwidth	Large Signal Bandwidth : 225Mhz, -3dB Small Signal Bandwidth : 450Mhz, -3dB
Output Balance error	60dB @ 50Mhz
High Isolation between Amplifier	80dB @ 10Mhz
Audio- In Impedance	10 Ohms
Audio Frequency Response	20HZ to 20KHz, +/-1db
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	2.59" x 2.87" x 1.14" (66mm x 73mm x 29mm)
Weight	0.17 kg / 0.37 lb
Power Supply	DC 12V, @0.1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6235/SB-6235R

Composite Video · Digital · Audio CAT5 Extender

COMPOSITE VIDEO DIGITAL AUDIO CAT5

SB-6235
2Way Composite Video · Digital · Audio Transmitter

Input : 1x Composite Video or Digital Audio and Stereo Audio (AR/AL)
Output : 2x CAT5

SB-6235R
2Way Composite Video · Digital · Audio Receiver

Input : 2x CAT5
Output : 1x Composite Video or Digital Audio and Stereo Audio (AR/AL)

04

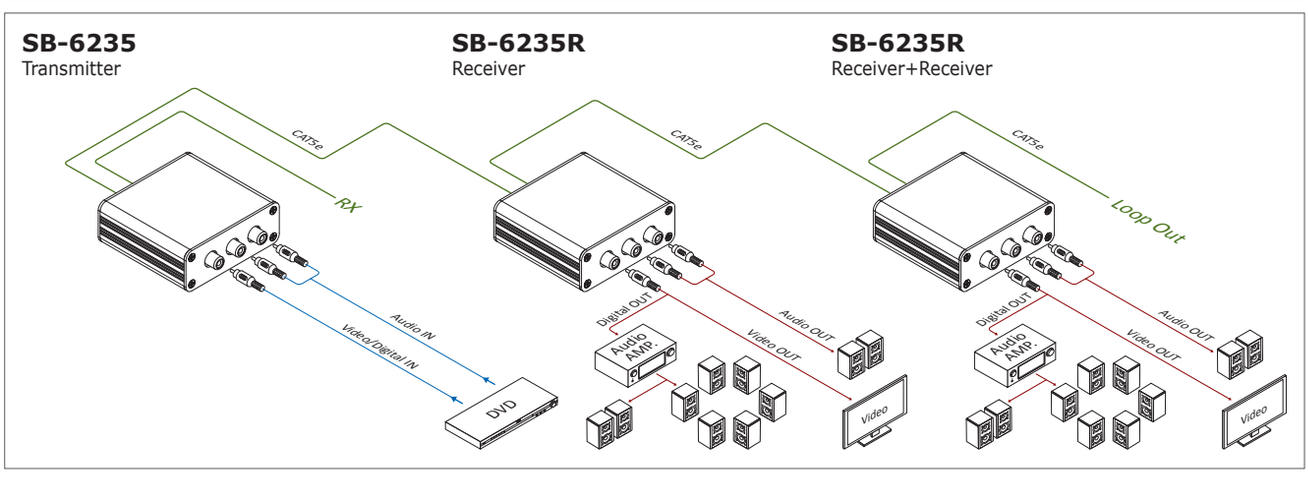
FEATURES

01. Support Composite Video or Digital Audio (S/PDIF) / Stereo Audio over CAT-5 Transmitter and Repeater + Receiver Extender
02. SB-6235 : Input : 1x Composite Video or Digital Audio and Stereo Audio
    Output : 2x CAT5
03. SB-6235R : Input : 2x CAT5
    Output : 1x Composite Video or Digital Audio and Stereo Audio
04. Support HDTV Resolution 480p / 720p / 1080i / 1080p
05. Brightness and TINT frequency response adjustment control button on SB-6235R
06. Extension distance is up to 100m (330ft)
07. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	Composite Video or Digital Audio(S/PDIF)/Stereo Audio over CAT-5 Transmitter, Repeater and Receiver Extender Transmitter(TX) / Repeater + Receiver(RX)
Type of Signal	ComIf it is so, then I think you can just change to 24 months posite Video or Digital Audio(S/PDIF)/Stereo Audio connectors
Video Bandwidth	225Mhz, -3dB large signal bandwidt 450Mhz, -3dB small signal bandwidth
Output Balance Error	-60dB @ 50Mhz
High Isolation	between Amplifier 80dB @ 10Mhz
Audio- in Impedance	10 Ohms
Audio Frequency Response	20HZ to 20KHz, +/-1db
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	3.07" x 2.87" x 1.14" (78mm x 73mm x 29mm)
Weight	0.18 kg / 0.39 lb
Power Supply	DC 12V, @0.25A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6345/SB-6345R

Composite Video · Digital · Audio CAT5 Extender

COMPOSITE VIDEO DIGITAL AUDIO CAT5

SB-6345
4Way Composite Video · Digital · Audio Transmitter

Input : 1x Composite Video or Digital Audio and Stereo Audio (AR/AL) + 1 Preview port
Output : 4x CAT5

SB-6345R
2Way Composite Video · Digital · Audio Receiver

Input : 1x CAT5 + 1 Loop Output Port
Output : 2x Composite Video or Digital Audio and Stereo Audio (AR/AL)

04

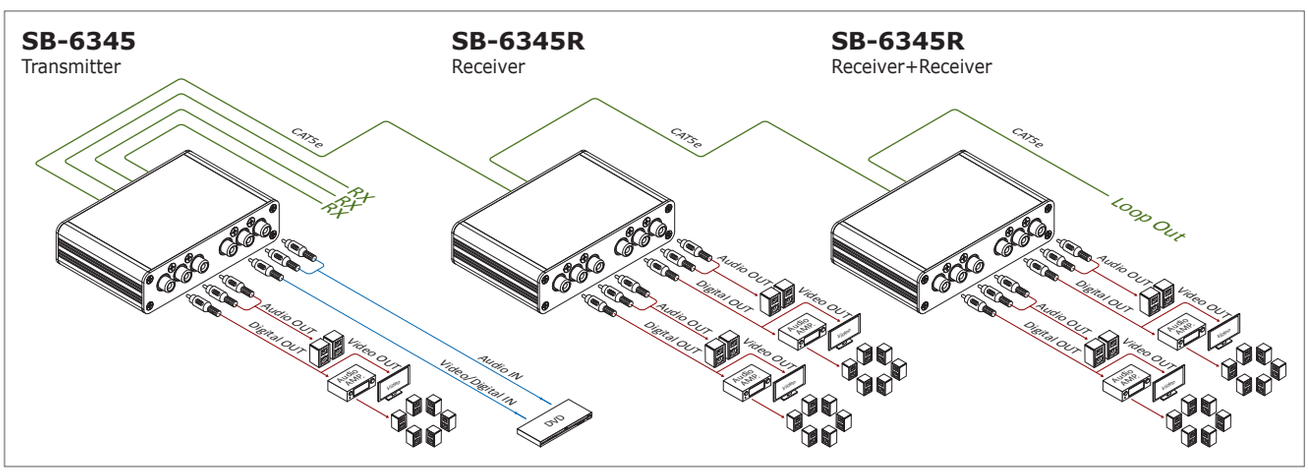
FEATURES

01. Support Composite Video or Digital Audio (S/PDIF) / Stereo Audio over CAT-5 Transmitter and Repeater + Receiver Extender
02. SB-6235 : Input : 1x Composite Video or Digital Audio and Stereo Audio (AR/AL) + 1 Preview port
    Output : 4x CAT5
03. SB-6235R : Input : 1x CAT5 + 1 Loop Output Port
    Output : 2x Composite Video or Digital and Stereo Audio (AR/AL)
04. Support HDTV Resolution 480p / 720p / 1080i / 1080p
05. Brightness and TINT frequency response adjustment control button on SB-6235R
06. Extension distance is up to 100m (330ft)
07. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	Composite Video or Digital Audio(S/PDIF)/Stereo Audio over CAT-5 Transmitter, Repeater and Receiver Extender. Transmitter(TX) / Repeater + Receiver(RX)
Type of Signal	Composite Video or Digital Audio(S/PDIF)/Stereo Audio connectors
Video Bandwidth	225Mhz, -3dB large signal bandwidt 450Mhz, -3dB small signal bandwidth
Output Balance Error	-60dB @ 50Mhz
High Isolation	between Amplifier 80dB @ 10Mhz
Audio- in Impedance	10 Ohms
Audio Frequency Response	20HZ to 20KHz, +/-1db
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	4.44" x 2.87" x 1.14" (113mm x 73mm x 29mm)
Weight	0.2 kg / 0.44 lb
Power Supply	DC 12V, @0.25A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6130/SB-6130R

Component Video CAT5 Extender

COMPONENT CAT5

SB-6130
Component Video Transmitter

Input : 1x Component Video
Output : 1x CAT5

SB-6130R
Component Video Receiver

Input : 1x CAT5
Output : 1x Component Video

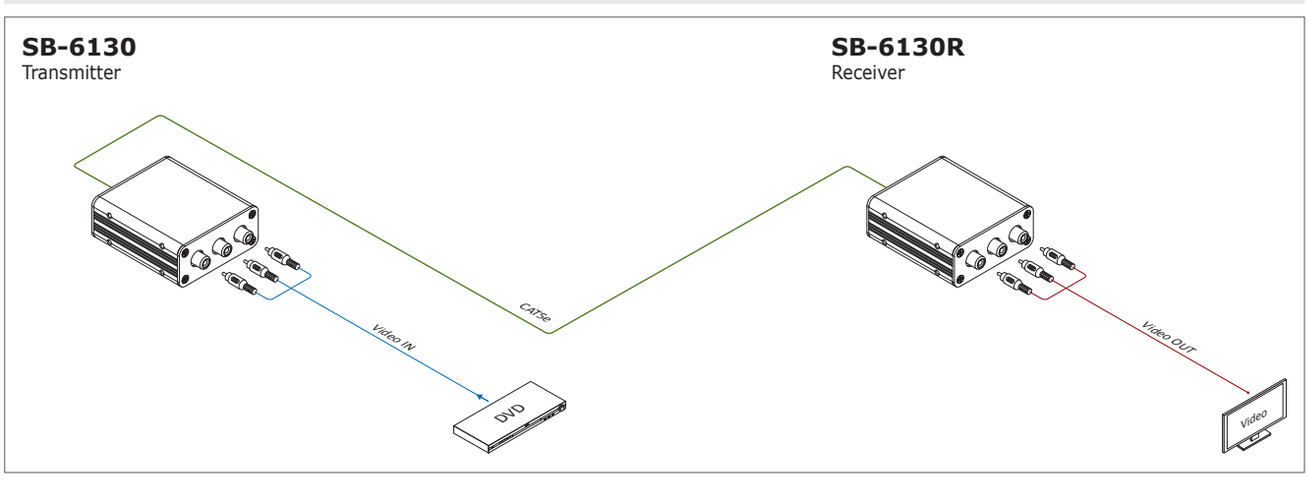
FEATURES

01. Support Component Video(YPBPR) Over CAT5 Transmitter(Tx)/Receiver(Rx)
02. Provided by the category5 Cable via RJ-45 connector
03. SB-6130 : Input : 1x Component Video
    Output : 1x CAT5
04. SB-6130R : Input : 1x CAT5
    Output : 1x Component Video
05. Support Full HD resolutions 480i / 480p / 720p / 1080i and 1080p
06. RGB.TINT and BRIGHTNESS adjustment
07. Extension distance is up to 100M (330FT)
08. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	Component Video Over CAT5 Transmitter(Tx) / Receiver(Rx)
Type of Signals	Component Video (YPBPR) Via 3x RCA connectors
CAT5 connection	Provided by the category5 Cable via RJ-45 connectors
Video Bandwidth	225MHz(-3dB), 450MHz(-3dB) Large signal bandwidth
Output Balance Error	-60dB @ 50MHz
High isolation between Amplifier	80dB @ 10MHz
Audio impedance	10 Ohms
Audio Frequency response	20Hz to 20KHz, +/-1dB
Color proofread	TINT and BRIGHTNESS adjustment.
Enclosure	Ear-Wall mounting attached
HD resolutions	480i / 480p / 720p / 1080i and 1080p
CAT5 Extend distance	100M (330FT) Maximum
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	2.59" x 2.87" x 1.14" (66mm x 73mm x 29mm)
Weight	0.17 kg / 0.37 lb
Power Supply	DC 12V, @0.1A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6230/SB-6230R

Component Video CAT5 Extender

COMPONENT CAT5

SB-6230
2Way Component Video Transmitter

Input : 1x Component Video
Output : 2x CAT5

SB-6230R
2Way Component Video Receiver

Input : 1x CAT5 + 1 Loop Output Port
Output : 1x Component Video

04

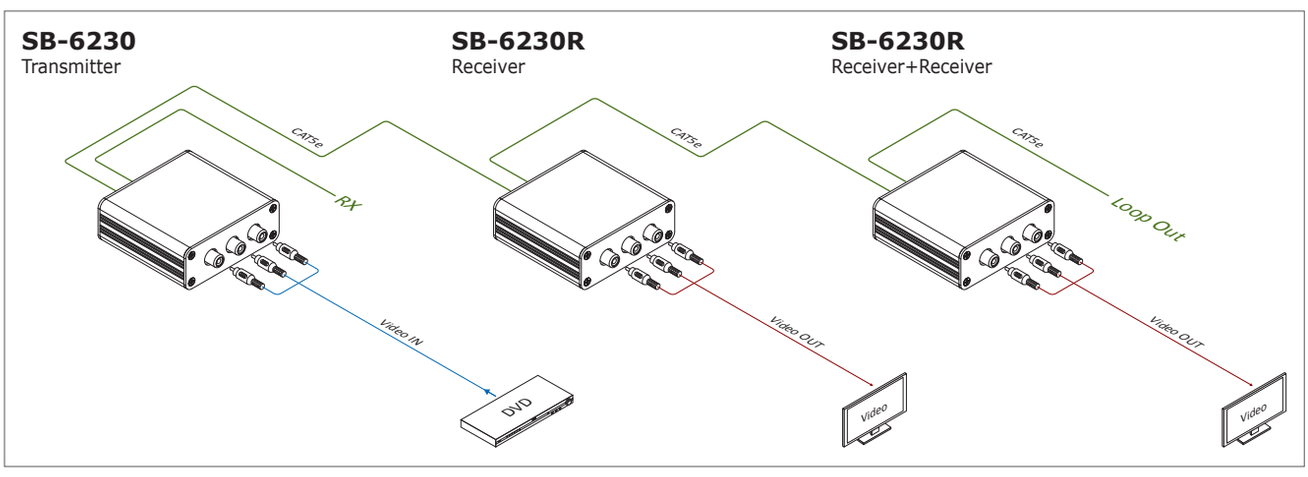
FEATURES

01. Support Component Video (YPBPR) CAT5 Transmitter / Receiver / Repeater
02. Provided by the category5 Cable via RJ-45 connector
03. SB-6230 : Input : 1x Component Video
    Output : 2x CAT5
04. SB-6230R : Input : 1x CAT5 + 1 Loop Output Port
    Output : 1x Component Video
05. Support Full HD resolutions 480i / 480p / 720p / 1080i and 1080p
06. RGB.TINT and BRIGHTNESS adjustment.
07. Extension distance is up to 100M(330FT)
08. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	CAT5 Transmitter(Tx)/Receiver(Rx)/Repeater(Rxx)
Type of Signals	Component Video (YPBPR) Via 3x RCA connectors
CAT5 connection	Provided by the category5 Cable via RJ-45 connectors CAT5 Repeater for Loop output to Another CAT5 Receiver
Video Bandwidth	225MHz(-3dB), 450MHz(-3dB) Large signal bandwidth
Output Balance Error	-60dB @ 50MHz
High isolation between Amplifier	80dB @ 10MHz
Color proofread	TINT and BRIGHTNESS adjustmen.
HD resolutions	480i / 480p / 720p / 1080i and 1080p
CAT5 Extend distance	100M (330FT) Maximum
Enclosure	wall mount ear includes
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	3.07" x 2.87" x 1.14" (78mm x 73mm x 29mm)
Weight	0.18 kg / 0.39 lb
Power Supply	DC 12V, @0.25A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6340/SB-6340R

Component Video CAT5 Extender

COMPONENT CAT5

SB-6340
4Way Component Video Transmitter

Input : 1x Component Video + 1 Preview port
Output : 4x CAT5

SB-6340R
2Way Component Video Receiver

Input : 1x CAT5 + 1 Loop Output Port
Output : 2x Component Video

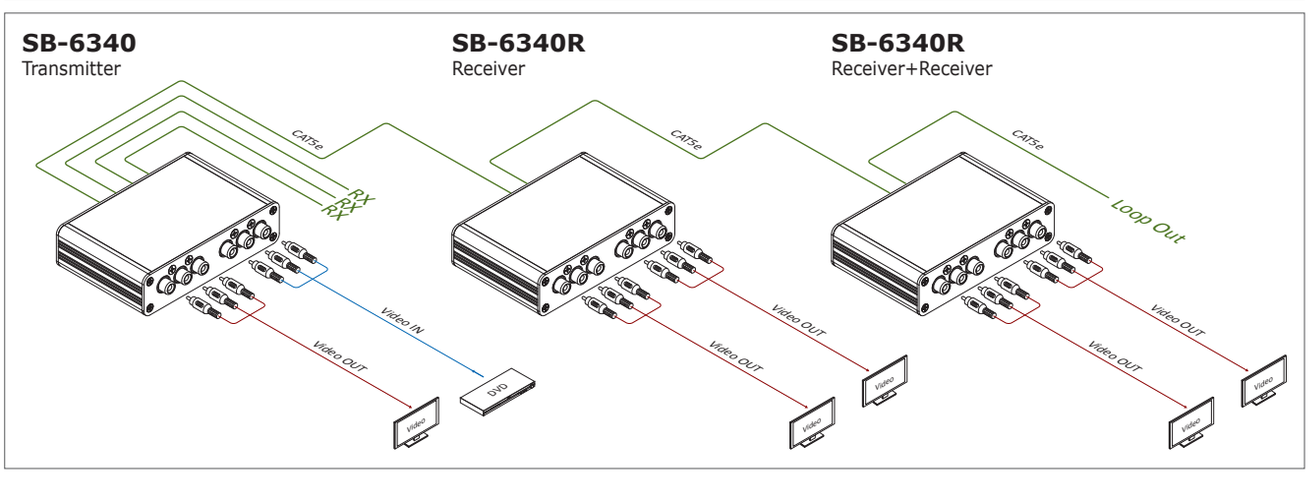
FEATURES

01. Support Component Video (YPBPR) CAT5 Transmitter/Receiver/Repeater
02. Provided by the category5 Cable via RJ-45 connector
03. SB-6140 : Input : 1x Component Video + 1 Preview port
    Output : 4x CAT5
04. SB-6140R : Input : 1x CAT5 + 1 Loop Output Port
    Output : 2x Component Video
05. Support Full HD resolutions 480i / 480p / 720p / 1080i and 1080p
06. RGB.TINT and BRIGHTNESS adjustment
07. Extension Distance is up to 100M (330FT)
08. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	4x WAY CAT5 Transmitter(Tx)/Receiver(Rx)/Repeater
Type of Signals	2x WAY Component Video (YPBPR) Via 3x RCA connectors
CAT5 connection	Provided by the category5 Cable via RJ-45 connectors CAT5 Repeater for Loop output to Another CAT5 Receiver
Video Bandwidth	225MHz(-3dB), 450MHz(-3dB) Large signal bandwidth
Output Balance Error	-60dB @ 50MHz
High isolation between Amplifier	80dB @ 10MHz
Color proofread	TINT and BRIGHTNESS adjustmen
HD resolutions	480i / 480p / 720p / 1080i and 1080p
CAT5 Extend distance	100M (330FT) Maximum
Enclosure	Ear-Wall mounting attached
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	4.44" x 2.87" x 1.14" (113mm x 73mm x 29mm)
Weight	0.2 kg / 0.44 lb
Power Supply	DC 12V, @0.25A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-6330/SB-6330R

Component Video · Digital · Audio CAT5 Extender

COMPONENT | COMPOSITE | VIDEO | DIGITAL | AUDIO | CAT5

SB-6330
4Way Component Video · Digital · Audio Transmitter

Input : 1x Component Video / Digital Audio and Stereo Audio (AR/AL)
Output : 4x CAT5

SB-6330R
2Way Component Video · Digital · Audio Receiver

Input : 1x CAT5
Output : 2x Component Video / Digital Audio and Stereo Audio (AR/AL)

04

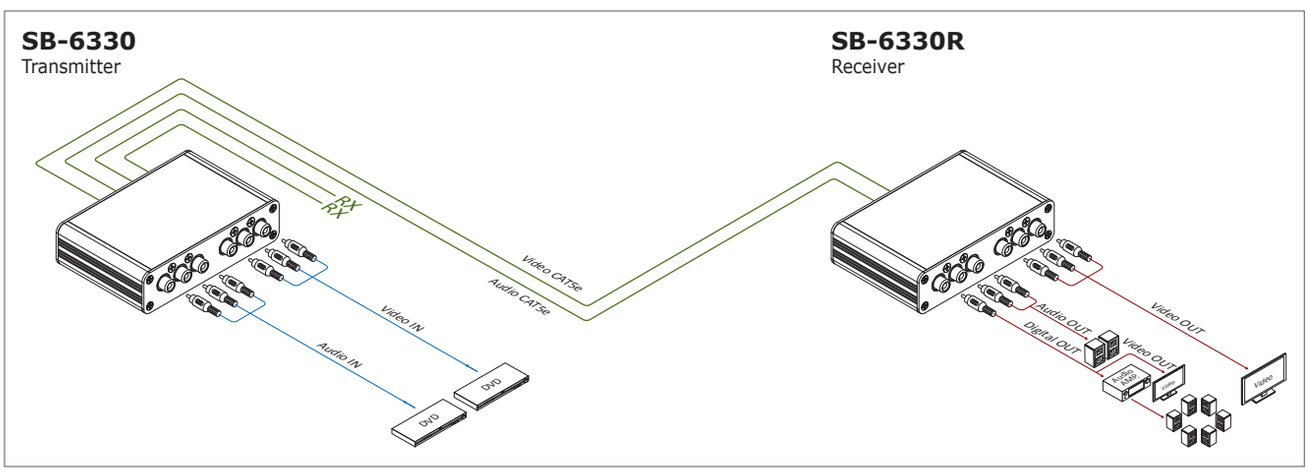
FEATURES

01. Support Component Video (YPBPR) / Digital-Composite Video / Audio Over CAT5
02. Transmitter(Tx)/CAT5 Receiver(Rx)
03. Provided by the Category 5 cable via RJ-45 connector
04. SB-6330 : Input : 1x Component Video / Digital Audio and Stereo Audio
    Output : 4x CAT5
05. SB-6330R : Input : 1x CAT5 + 1 Loop Output Port
    Output : 1x Component Video / Digital Audio and Stereo Audio
06. Support Full HD resolution: 480i / 480p / 720p / 1080i and 1080p
07. RGB, TINT and BRIGHTNESS adjustment
08. Support long distance extension up to 100M (330ft)
09. Wall mounted Ear Rack included

SPECIFICATIONS

Type of CAT5	2x WAY CAT5 Transmitter(Tx)/Receiver(Rx)/ Repeater(Rx)
Type of Signals	Component Video (YPBPR), Composite Video or Digital Audio / Stereo Audio(AR/AL) Via 6x RCA connectors
CAT5 Connection	Provided by the Category 5 cable via RJ-45 connectors CAT5 Repeater(Rxx) for Loop output to another CAT5 receiver
Video Bandwidth	225MHz(-3dB), Large Signal Bandwidth: 450MHz(-3dB)
Output Balance Error	-60dB @ 50MHz
High Isolation Between Amplifier	80dB @ 10MHz
Color Proofread	TINT and BRIGHTNESS adjustment
Audio Impedance	10 Ohms
Audio Frequency Response	20Hz to 20KHz, +/-1dB
HD Resolutions	480i / 480p / 720p / 1080i and 1080p
CAT5 Extend Distance	300M (1000FT) Maximum
Enclosure	ear-wall mounting attached
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	4.44" x 2.87" x 1.14" (113mm x 73mm x 29mm)
Weight	0.2 kg / 0.44 lb
Power Supply	DC 12V, @0.25A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-4106

4x1 VGA Routing Switcher

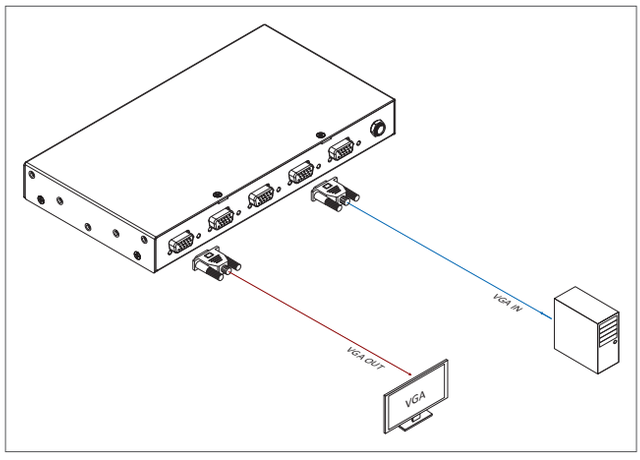
Input : 4x VGA (RGBHV)
Output : 1x VGA (RGBHV)

VGA SWITCHER

INTRODUCTION

SB-4106 is a high speed Video Bandwidth 310MHz, Maximum 380MHz for VGA-RGBHV routing switcher product. It's one of the most innovative VGA RGBHV signals switch router product. It has 4 individual inputs with 1 individual output. It is a four inputs switcher, any input may be routed to one output. It completely eliminates the need to constantly move around VGA input and output cables.This switcher is suited to full HD LCD Television and HDTV high resolution for 480p, 720p,1080i, 1080p, VGA high HD resolution for UXGA 1600x1200 or Plasma display monitor applications. Control is provided via front switch push buttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 1 output VGA Switcher
02. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
03. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
04. Excellent Video (VGA-RGBHV) Performance
05. Low all hostile crosstalk of -83dB @ 5MHz
06. Excellent ESD rating : exceeds 4000 V
07. Switching RGBHV in LCD monitors and plasma monitor displays
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Front push buttons with LED readout
10. Infrared : IR remote control (38KHz)
11. Support Lower power consumed full load under 550 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 1 output VGA Switcher
Video Bandwidth	380MHz, (-3dB) 200 mV p-p, 310MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84db @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56db @ 100MHz
Slew Rate	1000V/us, G=+1,2V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100mA
Low power CMOS	550uA Quiescent Current
Controls	IR Remote Controller,front panel select buttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Dimension (WxDxH)	8.26" x 4.44" x 1.06" (210mm x 113mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.66A (World Wide Universal AC 100~240V 50/60Hz)

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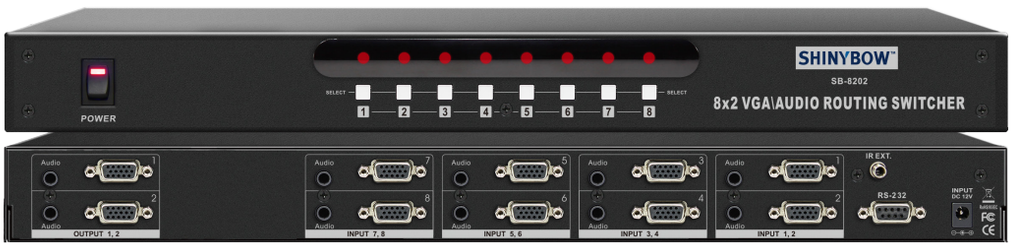
SB-8202

8x2 VGA-Audio Routing Switcher

Input : 8x VGA (RGBHV) / Audio
Output : 2x VGA (RGBHV) / Audio

VGA AUDIO RS-232 PRO

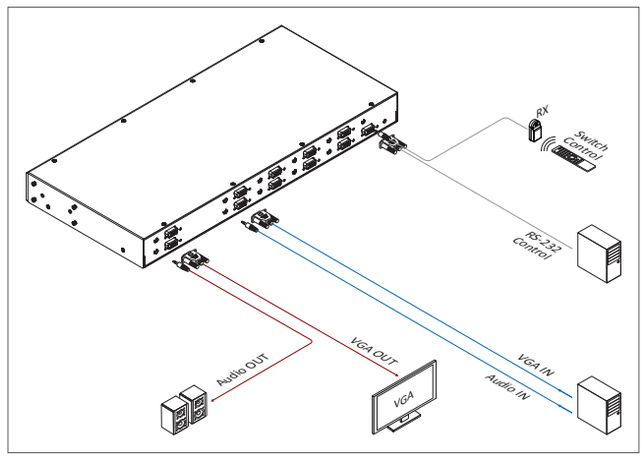


Ear Rack : 1U-440L

INTRODUCTION

SB-8202 is a true (8) in To (2) out Routing Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (2) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (8) individual inputs with (2) individual outputs. Because it is a routing switcher, any inputs may be routed to ouutput. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (2) outputs VGA & Audio Routing Switcher
02. Input signals via (8) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (2) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 1180mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (2) outputs VGA and Stereo Audio Routing Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(2)x Video (VGA-RGBHV) use D-sub HD15P connectors (2)x Audio (Stereo Audio) use 3.5mm OD Jacks
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
Switch Controls	1x Select Function buttons on front panel (Data status via LCD panel show out) 1x IR Remote Controller (switch control) 1x RS-232 series interface (switch control)
(8) Function key Control	Destination button (1) thru (8)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SHINYBOW™

SB-8206

8x2 VGA-Audio Matrix Switcher

Input : 8x VGA (RGBHV) / Audio
Output : 2x VGA (RGBHV) / Audio

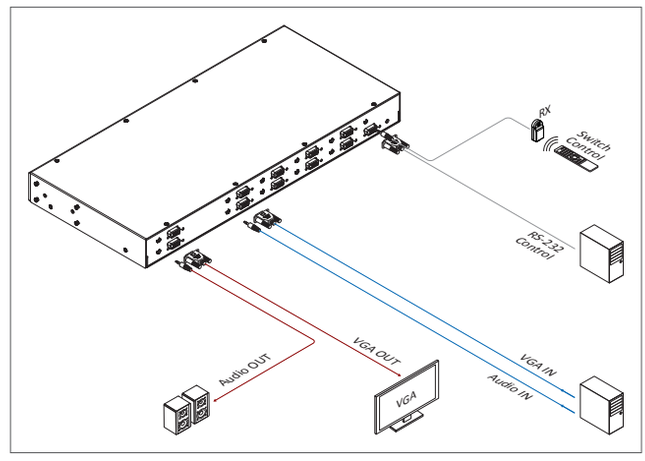
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-8206 is a true (8) in To (2) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (2) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (8) individual inputs with (2) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (2) outputs VGA & Audio Matrix Switcher
02. Input signals via (8) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (2) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 1180mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (2) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(2)x Video (VGA-RGBHV) use D-sub HD15P connectors (2)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCD panel show out) 1x IR Remote Controller (switch control) 1x RS-232 series interface (switch control)
(10) Function key Control	1.Destination button (1) thru (2), 2.Source button (1) thru (8)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4140

4x4 VGA Matrix Switcher

Input : 4x VGA (RGBHV)
Output : 4x VGA (RGBHV)

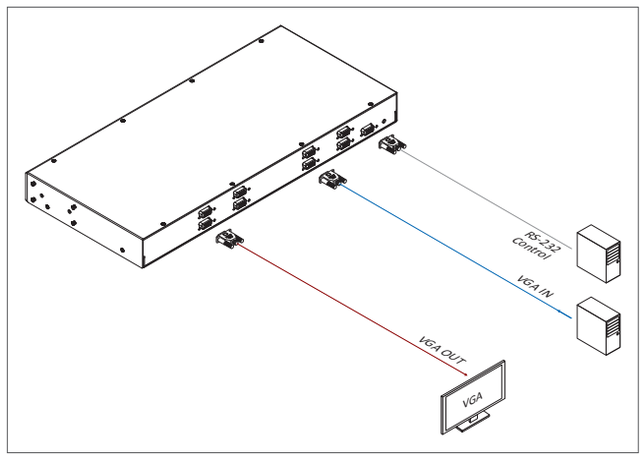
VGA | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4140 is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA (4) in To (4) out Matrix switcher product. It's one of the most innovative VGA (RGBHV) signals switching product. Support 19 inch Ear mount pair part number #1U-440L. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any input may be routed to any output. It completely eliminates the need to constantly move around VGA input and output cables. This switcher is ideally suited for full HD High Definition LCD HDTV Television for VGA (R,B,G,H,V) signals or HD Plasma display monitor resolution applications. Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 4 outputs VGA Matrix Switcher
02. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
03. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
04. Low all hostile crosstalk of -83dB @ 5MHz
05. Excellent ESD rating : exceeds 4000 V
06. Switching RGBHV in LCD monitors and plasma displays
07. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
08. Direct selection and confirm via Front push buttons with LED readout
09. Infrared : IR remote control (38KHz)
10. Support RS-232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
11. RS-232 protocol list with manual attached
12. Enclosure type : Support 19 inch Ear & Rack mountable panel
13. Support Lower power consumed full load under 950 mA
14. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 4 outputs VGA Matrix Switcher
Video Bandwidth	380MHz, (-3dB) 200 mV p-p, 310MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150 W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84db @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56db @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Control	IR Remote Controller (38KHz), front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC,VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4140LCM

4x4 VGA Matrix Switcher

Input : 4x VGA (RGBHV)
Output : 4x VGA (RGBHV)

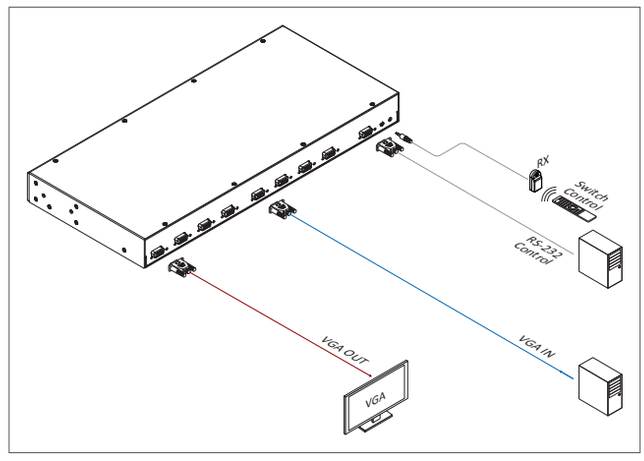
VGA | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4140LCM is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA (4) in To (4) out Matrix switch product. It's one of the most innovative VGA (RGBHV) signals switching product. Support 19 inch Ear mount pair part number #1U-440L. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any input may be routed to any output. It completely eliminates the need to constantly move around VGA input and output cables. This switcher is ideally suited for full HDTV Television for VGA (R,B,G,H,V) signals or HD Plasma display monitor resolution applications. Support world wide control key functions : ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK, Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (4) inputs to (4) outputs VGA (RBGHV) Matrix Switcher
02. Input/Output signals via analog VGA (RGBHV)
03. Higher Video Bandwidth 380MHz (-3dB), 200 mVp-p each path signals.
04. Supported selection buttons direct channel on front panel.
05. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via front push buttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support world wide (6)x control function keys:
    Full function front panel controls : ALL / OFF / LOCK / RECALL / MEMORY / ENTER
13. Support RS-232 interface control AP driver for PC 95/98/2000/xp
14. A Windows-based control software Driver packaged
15. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
16. Support Lower power consumed full load under 950 mA
17. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switch	4 inputs to 4 outputs VGA Matrix Switcher
Video Bandwidth	380MHz, (-3dB) 200 mV p-p, 310MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
Input : VGA	4x Video (Composite Video) use VGA HD15P connectors
Output : VGA	4x Video (Composite Video) use VGA HD15P connectors
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x RS-232 series interface (switch control)
(14) Function key Control	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button 1 thru 4, 8.Source button 1 thru 4
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4144

4x4 VGA-Audio Matrix Switcher

Input : 4x VGA (RGBHV) / Audio
Output : 4x VGA (RGBHV) / Audio

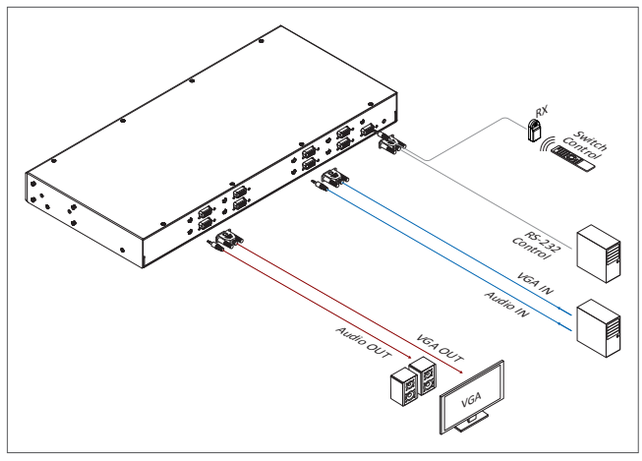
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4144 is a true (4) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (4) individual VGA(RGBHV) & Stereo Audio (AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio (AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (4) inputs to (4) outputs VGA & Audio Matrix Switcher
02. Input signals via (4) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (4) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel.
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz) Support RS-232 interface control AP driver for PC 95/98/2000/xp
15. A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 950mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(4) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100mA
Infrared Frequency	38KHz
Switch Controls	1x Select Function buttons on front panel (Data status via LCD panel show out) 1x IR Remote Controller (switch control) 1x RS-232 series interface (switch control)
(8) Function key Control	1.Destination button (1) thru (4), 2.Source button (1) thru (4)
Chassis Material	Matal thin = 1mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4144LCM

4x4 VGA-Audio Matrix Switcher

Input : 4x VGA (RGBHV) / Audio
Output : 4x VGA (RGBHV) / Audio

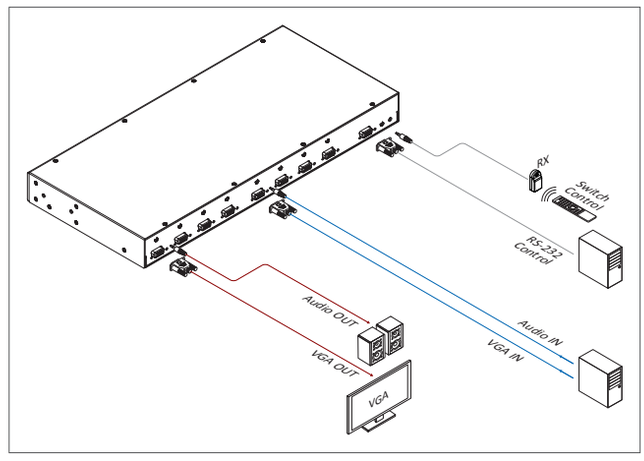
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4144LCM is a true (4) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (4) individual VGA (RGBHV) & Stereo Audio (AR/AL) inputs with (4) individual VGA (RGBHV) & Stereo Audio (AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys : 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (4) inputs to (4) outputs VGA & Audio Matrix Switcher
02. Input signals via (4) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (4) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Respones Range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector,
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support world wide (6)x control function keys :
    Front panel full controls : ALL / OFF / LOCK / RECALL / MEMORY / ENTER
16. Support RS-232 interface control AP driver for PC 95/98/2000/xp
17. A Windows-based control software Driver packaged
18. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
19. Support Lower power consumed full load under 1050 mA
20. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(4) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV):425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
(14) Function key Control	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (4)
Chassis Material	Matal thin = 1mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4144TB

4x4 VGA-Audio Matrix Switcher

Input : 4x VGA (RGBHV) / Audio (Terminal Block 5-pins sockets)
Output : 4x VGA (RGBHV) / Audio (Terminal Block 5-pins sockets)

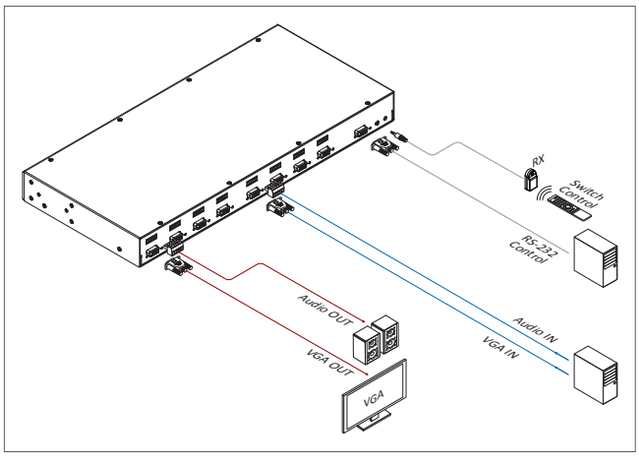
VGA | AUDIO | MATRIX | RS-232 | PRO | Terminal Block | BALANCE | VOLUME

Ear Rack : 1U-440L

INTRODUCTION

SB-4144TB is a true (4) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (4) individual VGA & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Stereo Audio output support Volume(+0~+100 levels) and Balance (L=0~50 , R=51~100) control function. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (4) inputs to (4) outputs VGA & Audio Matrix Switcher
02. Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
03. Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response Range : 20Hz ~ 20KHz
07. Stereo Audio output support Volume(+0~+100 levels) and Balance (L50~R50) control function.
08. Supported selection push buttons direct channel on front panel
09. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
10. Low all hostile crosstalk of -83dB @ 5MHz
11. Excellent ESD rating : exceeds 4000 V
12. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
13. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
14. Direct selection and confirm via Front push buttons with LED readout
15. Infrared : IR remote control (38KHz)
16. Support world wide (7)x control function keys:
    Front panel full controls :
    ALL / OFF / LOCK / RECALL / MEMORY / ENTER / VOL/BAL
17. Support RS-232 interface control AP driver for PC 95/98/2000/xp
18. A Windows-based control software Driver packaged
19. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
20. Support Lower power consumed full load under 1250 mA
21. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(4) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Output	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Audio Volume control	+0 ~ +100 levels (+6db)
Audio Balance control	L=+0 ~ +50, R=+51 ~ +100
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
Function key Control	ALL / OFF / LOCK / RECALL / MEMORY / ENTER / VOL/BAL, Destination button (1) thru (4), Source button (1) thru (4)
Chassis Material	Matal thin = 1mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4148

4x8 VGA-Audio Matrix Switcher

Input : 4x VGA (RGBHV) / Audio
Output : 8x VGA (RGBHV) / Audio

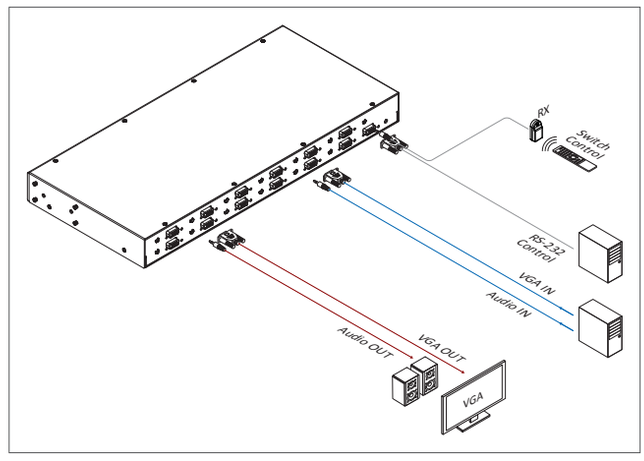
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4148 is a true (4) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (4) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (4) inputs to (8) outputs VGA & Audio Matrix Switcher
02. Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz) Support RS-232 interface control AP driver for PC 95/98/2000/xp
15. A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 1140mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(4) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCD panel show out) 1x IR Remote Controller (switch control) 1x RS-232 series interface (switch control)
(12) Function key Control	1.Destination button (1) thru (8), 2.Source button (1) thru (4)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4148LCM

4x8 VGA-Audio Matrix Switcher

Input : 4x VGA (RGBHV) / Audio
Output : 8x VGA (RGBHV) / Audio

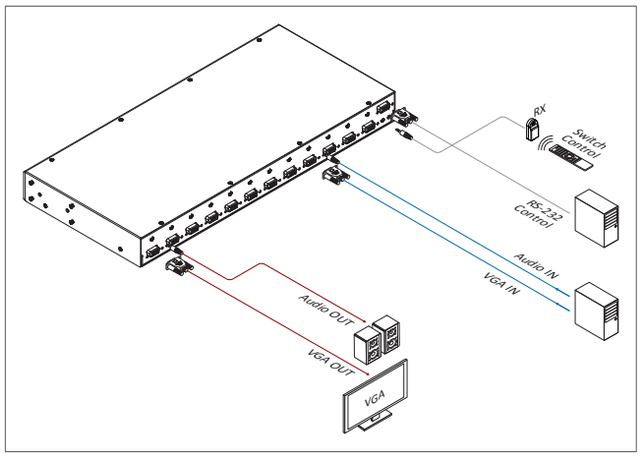
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4148LCM is a true (4) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (4) individual VGA(RGBHV) & Stereo Audio (AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (4) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (4) inputs to (8) outputs VGA & Audio Matrix Switcher
02. Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Respones Range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support world wide (6)x control function keys:
    Front panel full controls : ALL / OFF / LOCK / RECALL / MEMORY / ENTER
16. Support RS-232 interface control AP driver for PC 95/98/2000/xp
17. A Windows-based control software Driver packaged
18. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
19. Support Lower power consumed full load under 1120 mA
20. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(4) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
(18) Function key Control	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (8), 8.Source button (1) thru (4)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4148TB

4x8 VGA-Audio Matrix Switcher

Input : 4x VGA (RGBHV) / Stereo Audio (Terminal Block 5-pins sockets)
Output : 8x VGA (RGBHV) / Stereo Audio (Terminal Block 5-pins sockets)

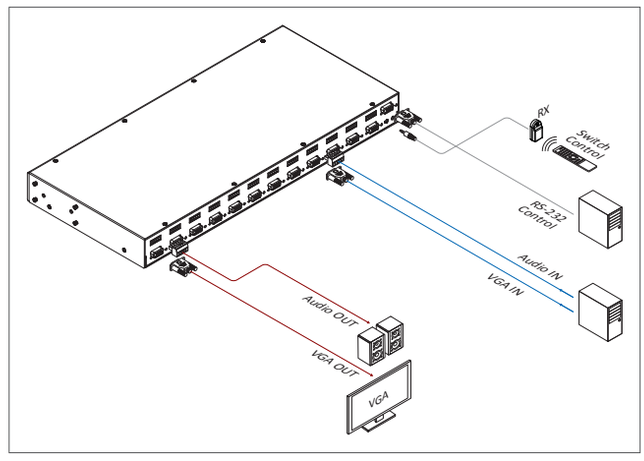
VGA | AUDIO | MATRIX | RS-232 | PRO | Terminal Block | BALANCE | VOLUME

Ear Rack : 1U-440L

INTRODUCTION

SB-4148TB is a true (4) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (4) individual VGA & Stereo Audio(AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (4) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (4) inputs to (8) outputs VGA & Audio Matrix Switcher
02. Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
03. Output signals via (8)x analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response Range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support world wide (6)x control function keys:
    Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
16. Support RS-232 interface control AP driver for PC 95/98/2000/xp
17. A Windows-based control software Driver packaged
18. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
19. Support Lower power consumed full load under 1250 mA
20. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(4) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Output	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
(18) Function key Control	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (8), 8.Source button (1) thru (4)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4184

8x4 VGA-Audio Matrix Switcher

Input : 8x VGA (RGBHV) / Audio
Output : 4x VGA (RGBHV) / Audio

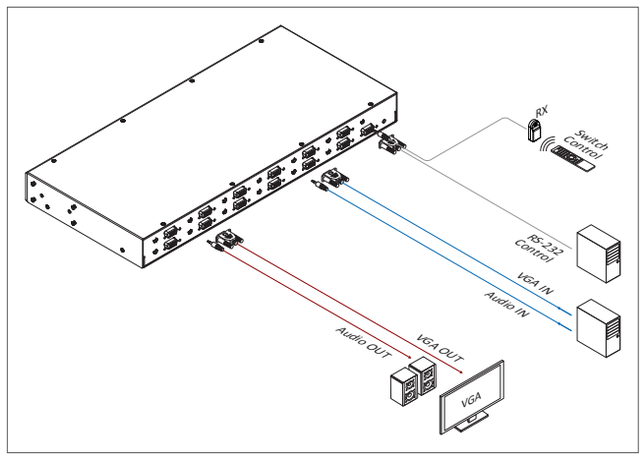
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4184 is a true (8) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (8) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (4) outputs VGA & Audio Matrix Switcher
02. Input signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 1180mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCD panel show out) 1x IR Remote Controller (switch control) 1x RS-232 series interface (switch control)
(12) Function key Control	1.Destination button (1) thru (4), 2.Source button (1) thru (8)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4184LCM

8x4 VGA-Audio Matrix Switcher

Input : 8x VGA (RGBHV) / Audio
Output : 4x VGA (RGBHV) / Audio

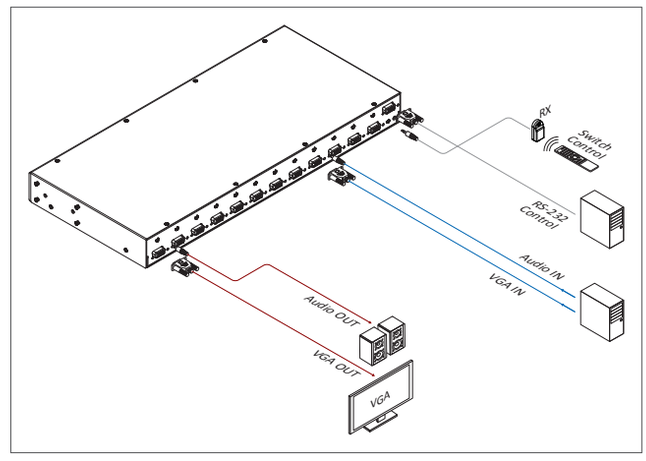
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-4184LCM is a true (8) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (4) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (8) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (4) outputs VGA & Audio Matrix Switcher
02. Input signals via (8) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (4) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Respones Range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support world wide (6)x control function keys :
    Front panel full controls : ALL / OFF / LOCK / RECALL / MEMORY / ENTER
16. Support RS-232 interface control AP driver for PC 95/98/2000/xp
17. A Windows-based control software Driver packaged
18. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
19. Support Lower power consumed full load under 1050 mA
20. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum.
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
(18) Function key Control	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (8)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-4184TB

8x4 VGA-Audio Matrix Switcher

Input : 8x VGA (RGBHV) / Stereo Audio (Terminal Block 5-pins sockets)
Output : 4x VGA (RGBHV) / Stereo Audio (Terminal Block 5-pins sockets)

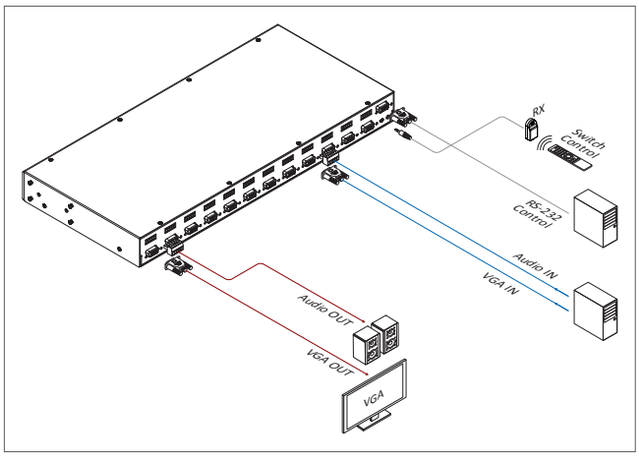
VGA | AUDIO | MATRIX | RS-232 | PRO | Terminal Block | BALANCE | VOLUME

Ear Rack : 1U-440L

INTRODUCTION

SB-4184TB is a true (8) in To (4) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (8) individual VGA & Stereo Audio (AR/AL) inputs with (4) individual VGA (RGBHV) & Stereo Audio (use Terminal Block 5pins Female Sockets) outputs. Support 19 inch Ear mount pair part number #1U-440L. It support (8) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys:1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (4) outputs VGA & Audio Matrix Switcher
02. Input signals via (8) analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
03. Output signals via (4) analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Response Range : 20Hz ~ 20KHz
07. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
08. Low all hostile crosstalk of -83dB @ 5MHz
09. Excellent ESD rating : exceeds 4000 V
10. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
11. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
12. Direct selection and confirm via Front push buttons with LED readout
13. Infrared : IR remote control (38KHz)
14. Support world wide (6) control function keys:
    Front panel full controls : ALL / OFF / LOCK / RECALL / MEMORY / ENTER
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp
16. A Windows-based control software Driver packaged
17. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
18. Support Lower power consumed full load under 1250 mA
19. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (4) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Output	(4)x Video (VGA-RGBHV) use D-sub HD15P connectors (4)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
(18) Function key Control	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (8)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-8180LCM

8x8 VGA Matrix Switcher

Input : 8x VGA (RGBHV)
Output : 8x VGA (RGBHV)

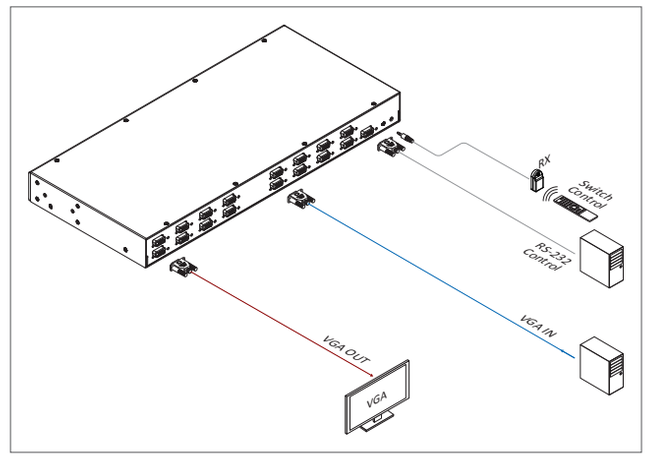
VGA | MATRIX | SWITCHER | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-8180LCM is a high speed Video Bandwidth 310MHz, Maximum 380Mhz VGA Matrix switcher product. Its one of the most innovative VGA/RGBHV switching product on the market Today. Support 19 inch Ear mount pair part number #1U-440L. It has 8 individual inputs with 8 individual outputs. Because it is a matrix router, any input may be routed to any output ; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around VGA input and output cables. This matrix switcher is ideally suited for full HD High Definition LCD TV or Plasma display monitor applications. Control is provided via front push buttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-8180 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 8 inputs to 8 outputs VGA Matrix Switcher
02. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
03. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
04. Excellent Video(VGA-RGBHV) and Stereo Audio Performance
05. Low all hostile crosstalk of -83dB @ 5MHz
06. Excellent ESD rating : exceeds 4000 V
07. Switching RGBHV in LCD monitors and plasma displays
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Direct selection and confirm via front push buttons with LED readout
10. Infrared : IR remote control (38KHz)
11. Support RS-232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
12. RS-232 protocol list with manual attached
13. Enclosure type : Support 19 inch Ear & Rack mountable panel
14. Support Lower power consumed full load under 550 mA
15. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 8 outputs VGA Matrix Switcher
Video Bandwidth	380MHz, (-3dB) 200 mV p-p, 310MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller(38KHz), Front panel selection buttons with, LED readout and RS-232 PC control
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-8188CT

8x8 VGA-Audio Over CAT5 Matrix Switcher

Input : 8x VGA / Audio + 1 Preview port
Output : 8x CAT5 (VGA-Audio)

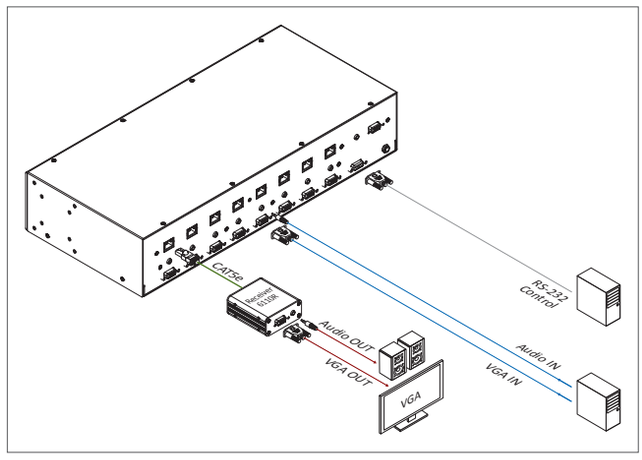
VGA | AUDIO | MATRIX | CAT5 | PRO

Ear Rack : 2U-440L

INTRODUCTION

SB-8188CT is a true (8) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. for VGA (RGBHV) and Stereo Audio (AR/AL) signals product. It is an (8) individual VGA (RGBHV) & Stereo Audio (AR/AL) inputs with (8) individual CAT5 (VGA-RGBHV & Audio) outputs and 1x Preview output. The Preview output port is same picture with output #1 on the same time. Support 19 inch Ear mount pair part number #2U-440L. It support (8) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any input may be routed to any output. It completely eliminates the need to constantly move around VGA input and output cables. This switcher is ideally suited for full HD High Definition LCD HDTV Television for VGA (R,B,G,H,V) signals or HD Plasma display monitor resolution applications. Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (8) outputs VGA & Audio Over CAT5 Matrix Switcher
02. Input signals via (8) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via one CAT5 category cable with VGA & Audio (RJ-45)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
06. Audio Frequency Respond 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support RS-232 interface control AP driver for PC 95/98/2000/xp
16. A Windows-based control software Driver packaged
17. Support desktop with Ear mount and 19 inch 2U Rack mountable type panel
18. Support Lower power consumed full load under 1650 mA
19. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (8) outputs VGA OVER CAT5 Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(8)x CAT5 (VGA & Audio) use RJ-45 8P8C Female Sockets
Preview Output	(1)x VGA (RGBHV) and Audio (Stereo Audio) signals
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-8188LCM

8x8 VGA-Audio Matrix Switcher

Input : 8x VGA (RGBHV) / Audio
Output : 8x VGA (RGBHV) / Audio

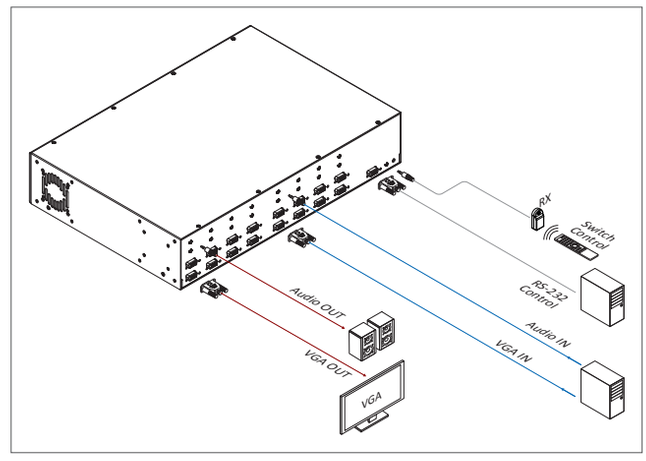
VGA | AUDIO | MATRIX | RS-232 | PRO

Ear Rack : 2U-440L

INTRODUCTION

SB-8188LCM is a true (8) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA (RGBHV) and Stereo Audio (AR/AL) product. It is an (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(AR/AL) outputs. Support 19 inch Ear mount pair part number #2U-440L. It support (8) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (8) outputs VGA & Audio Matrix Switcher
02. Input signals via (8) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
03. Output signals via (8) analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60Mhz, Audio-Left = 60MHz)
06. Audio Frequency Respones Range : 20Hz ~ 20KHz
07. Supported selection push buttons direct channel on front panel
08. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
09. Low all hostile crosstalk of -83dB @ 5MHz
10. Excellent ESD rating : exceeds 4000 V
11. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
12. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
13. Direct selection and confirm via Front push buttons with LED readout
14. Infrared : IR remote control (38KHz)
15. Support world wide (6)x control function keys:
    Front panel full controls: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
16. Support RS-232 interface control AP driver for PC 95/98/2000/xp
17. A Windows-based control software Driver packaged
18. Support desktop with Ear mount and 19 inch 2U Rack mountable type panel
19. Support Lower power consumed full load under 1250 mA
20. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Output	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use 3.5mm OD Jacks
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
(22) Function key Control	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (8), 8.Source button (1) thru (8)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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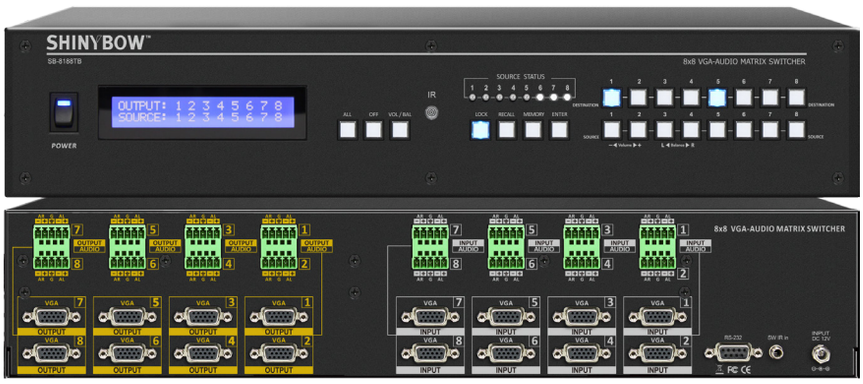
SB-8188TB

8x8 VGA-Audio Matrix Switcher

Input : 8x VGA (RGBHV) / Stereo Audio (Terminal Block 5-pins sockets)
Output : 8x VGA (RGBHV) / Stereo Audio (Terminal Block 5-pins sockets)

VGA | AUDIO | MATRIX | RS-232 | PRO | Terminal Block | BALANCE | VOLUME

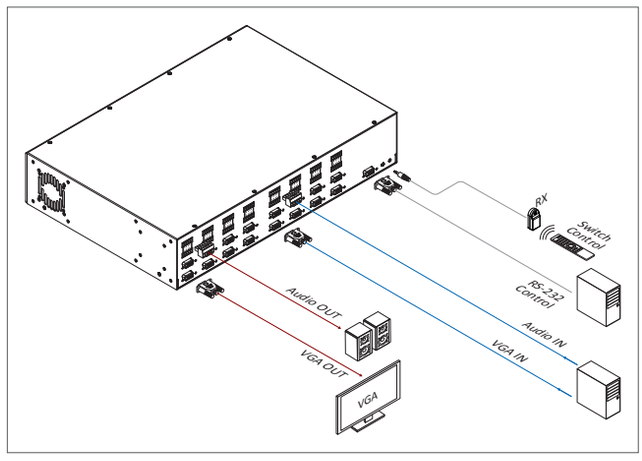


Ear Rack : 2U-440L

INTRODUCTION

SB-8188TB is a true (8) in To (8) out Matrix Switcher with high speed Video Bandwidth 425MHz, Maximum 450MHz, Audio Bandwidth 60MHz. Support signals for VGA and Audio product. It is an (8) individual VGA & Stereo Audio(AR/AL) inputs with (8) individual VGA(RGBHV) & Stereo Audio(use Terminal Block 5pins Female Sockets) outputs. Stereo Audio output support Volume(+0~+100 levels) and Balance (L=0~50 , R=51~100) control function. Support 19 inch Ear mount pair part number #2U-440L. It support (8) individual inputs with (8) individual outputs. Because it is a matrix routing switcher, any inputs may be routed to any output. It completely eliminates the need to constantly move around VGA or Audio input and output cables. This switcher is ideally suited for full HD High Definition LCD TV, HD Television or HD Monitor for VGA (R,B,G,H,V) signals or full HD Plasma display monitor resolution applications. Support world wide (6) button function control keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK. Control is provided Front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Support (8) inputs to (8) outputs VGA & Audio Matrix Switcher
02. Input signals via (8) analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
03. Output signals via (8) analog VGA (RGBHV) and Stereo Audio (Terminal Block 5pin Sockets)
04. Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
05. Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
06. Audio Frequency Response Range : 20Hz ~ 20KHz
07. Stereo Audio output support Volume (+0~+100 levels) and Balance (L50~R50) control function
08. Supported selection push buttons direct channel on front panel
09. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
10. Low all hostile crosstalk of -83dB @ 5MHz
11. Excellent ESD rating : exceeds 4000 V
12. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push buttons
    - IR wireless remote controller
    - IR External port (Switch Control)
    - Third party RS-232 controller (via simple ASCII)
13. Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
14. Direct selection and confirm via Front push buttons with LED readout
15. Infrared : IR remote control (38KHz)
16. Support world wide (6)x control function keys :
    Front panel full controls :
    ALL / OFF / LOCK / RECALL / MEMORY / ENTER / VOL/BAL
17. Support RS-232 interface control AP driver for PC 95/98/2000/xp
18. A Windows-based control software Driver packaged
19. Support desktop with Ear mount and 19 inch 2U Rack mountable type panel
20. Support Lower power consumed full load under 1250 mA
21. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of VGA switcher	(8) inputs to (8) outputs VGA and Stereo Audio Matrix Switcher
Video Support	Analog VGA (75Ω), 1 Vp-p Output Signal (RGB) 0.7 Vp-p
Resolution supports	VGA, SVGA, XGA, SXGA, UXGA, WUXGA (1920x1200)
Video Bandwidth	VGA(RGBHV) : 425MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=425MHz, G=425MHz, B=425MHz, H=110MHz, V=110MHz
Audio Frequency	Response range : 20Hz ~ 20KHz
Audio Bandwidth	60MHz, (Audio-Right = 60MHz, Audio-Left = 60MHz)
Input	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Output	(8)x Video (VGA-RGBHV) use D-sub HD15P connectors (8)x Audio (Stereo Audio) use Terminal Block 5pin Sockets
Audio Volume control	+0 ~ +100 levels (+6db)
Audio Balance control	L=+0 ~ +50, R=+51 ~ +100
Source Status	Input status LEDs indicates presence of a live signal
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Infrared Frequency	38KHz
IR External Distance	~984 feet / 300 meters maximum
Switch Controls	1x Select Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control) 1x RS-232 series interface (switch control)
Function key Control	ALL / OFF / LOCK / RECALL / MEMORY / ENTER / VOL/BAL, Destination button (1) thru (8), Source button (1) thru (8)
Chassis Material	Matal thin = 1 mm
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-1110

2x1:8 VGA Switcher Distribution Amplifier

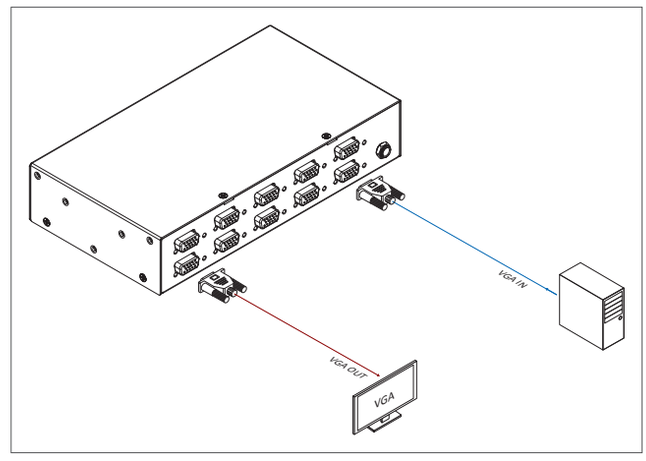
Input : 2x VGA (RGBHV)
Output : 8x VGA (RGBHV)

VGA AUDIO SWITCHER

INTRODUCTION

SB-1110 is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA Routing switcher distribution amplifier product. It's one of the most innovative VGA switching product. There's 2 individual inputs with 8 individual outputs, any input may be routed to any outputs. It completely eliminates the need to constantly move around VGA input and output cables. This switcher distribution amplifier is suited to full HD LCD Television or Plasma display monitor applications. Control is provided via direct selection front push buttons with LED readout.

DIAGRAM TYPICAL



FEATURES

01. Support 2 inputs to 8 outputs VGA Switcher Distribution Amplifier
02. Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
03. Video Bandwidth : 380MHz (-3dB), 200 mVp-p
04. Excellent Video(VGA-RGBHV) and Stereo Audio Performance
05. Low all hostile crosstalk of -83dB @ 5MHz
06. Excellent ESD rating : exceeds 4000 V
07. Switching RGBHV in LCD monitors and plasma displays
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Direct selection and confirm via front push buttons with LED readout
10. Support Lower power consumed full load under 550 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	2 inputs to 8 outputs VGA Switcher Distribution Amplifier
Video Bandwidth	380MHz, (-3dB) 200 mV p-p, 310MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	front panel selection buttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Dimension (WxDxH)	8.66" x 4.48" x 1.73" (220mm x 114mm x 44mm)
Weight	0.85 kg / 1.87 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-1102

1x2 VGA Distribution Amplifier (VGA Booster)

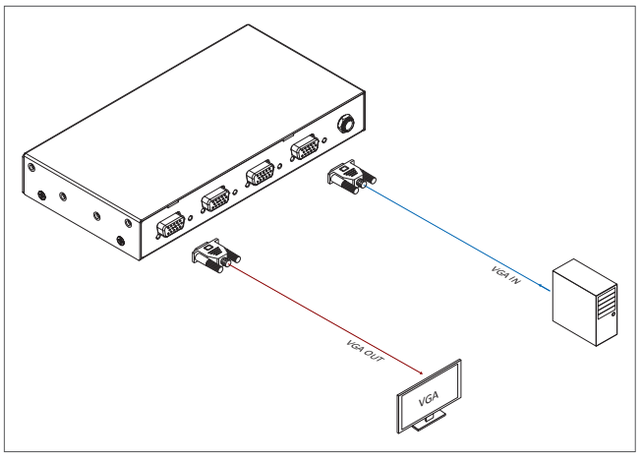
Input : 1x VGA (RGBHV)
Output : 2x VGA (RGBHV) with Booster, 1x VGA Preview Output

VGA | EQ / LEVEL | AMPLIFIER

INTRODUCTION

SB-1102 is a 1x Input to 2x Outputs for VGA (RGBHV) signals distribution amplifier and 2xVGA outputs support booster function. For HD high resolution VGA(640x480) SVGA (800x600), XGA(1024x768), SXGA(1280x1024) UXGA(1600x1200), WUXGA(1920x1200)Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2) Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048. Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1 inch high. All units are +12VDC powered and the power switch supply for 100~240VAC 50/60Hz CE,FCC approval adaptor is included.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 2 outputs of Signal VGA (RGBHV) Distribution Amplifier
02. Support 2x VGA Booster output function, 1x VGA Preview
03. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
04. High VGA resolutions for VGA, SVGA, XGA, UXGA,WUXGA (1920x1200) maximum up to 2048 x 2048 resolution
05. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
06. Support Lower power consumed full load under 500mA
07. Support EQ and LEVEL adjustable +/- 6dB
08. Terminal via HDdB15P Female connector
09. Safety approvals via test passing CE, FCC, REACH, Erp, WEEE
10. Power Supply : Universal switching DC12V, 0.42A

SPECIFICATIONS

Type of Amplifier	1 input to 2 outputs VGA Distribution Amplifier
Type of Signals	VGA (RGBHV) via HD-15p via HD-15P female connectors
Large Signal Bandwidth	440MHz, G=+2
Small signal Bandwidth	1GHz (-3dB) G=+1
Settling Time	10 ns to 0.1%, 2 V Step, G=+2
Scan rates accepted	50Hz or 60Hz
Resolutions	VGA, SVGA, XGA, UXGA, WUXGA 1920x1200
Color Control	EQ and LEVEL adjust via 2x 1K Ohms VR on front panel
Safety Approvals	CE, FCC, REACH, Erp, WEEE
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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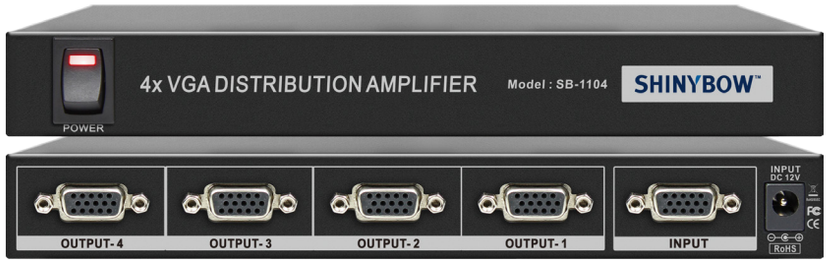
SB-1104

1x4 VGA Distribution Amplifier

Input : 1x VGA (RGBHV)
Output : 4x VGA (RGBHV)

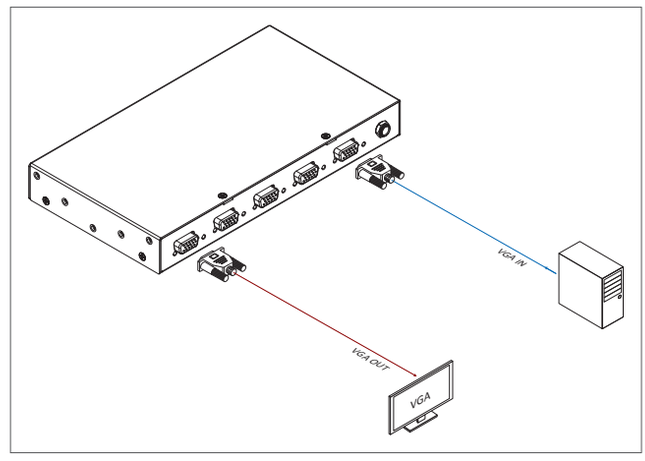
VGA AMPLIFIER



INTRODUCTION

SB-1104 is a 1x Input To 4x Outputs for VGA (RGBHV) signals distribution amplifier and For HD high resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2), Small signal Video Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048. Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1 inch high. All units are +12VDC powered and the power switch supply for 100~240VAC 50/60Hz CE,FCC approval adaptor is included.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 4 outputs of Signal VGA (RGBHV) Distribution Amplifier
02. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
03. High VGA resolutions for VGA, SVGA, XGA, UXGA,WUXGA (1920x1200)
04. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
05. Support Lower power consumed full load under 500mA
06. Automatically Scan rates accepted : 50Hz or 60Hz
07. Terminal via HDdB15P Female connector

SPECIFICATIONS

Type of Amplifier	1 input to 4 outputs VGA Distribution Amplifier
Type of Signals	HD-15p via HD-15P female connectors
Large Signal Bandwidth	440MHz, G=+2
Small signal Bandwidth	1GHz (-3dB) G=+1
Settling Time	10 ns to 0.1%, 2 V Step, G=+2
Scan rates accepted	50Hz or 60Hz
Support High HD resolutions	VGA, SVGA, XGA, UXGA,WUXGA 1920x1200
Gain Flatness	0.1dB to 75MHz
High Output Drive	175 mA Output Load Drive
Safety Approvals	CE, FCC, Erp, WEEE
Dimension (WxDxH)	8.26" x 4.44" x 1.06" (210mm x 113mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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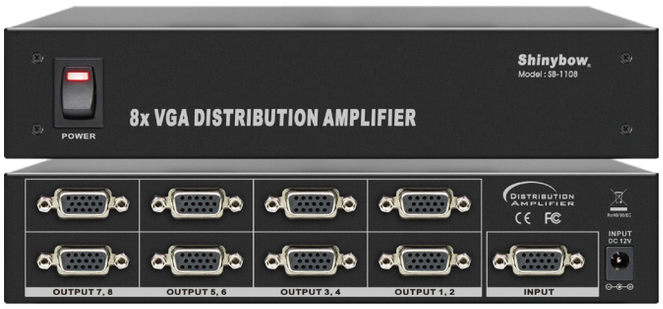
SB-1108

1x8 VGA Distribution Amplifier

Input : 1x VGA (RGBHV)
Output : 8x VGA (RGBHV)

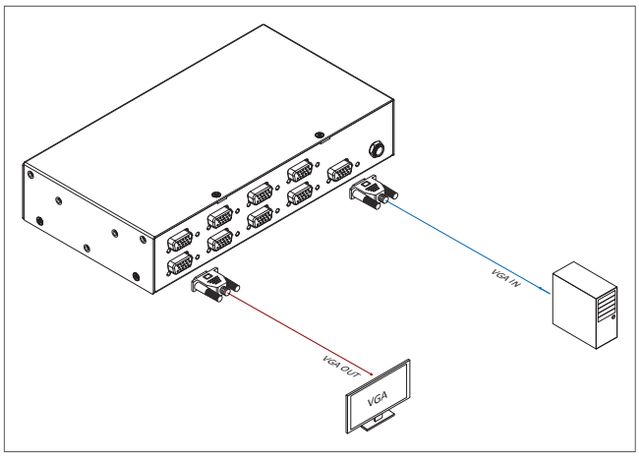
VGA AMPLIFIER



INTRODUCTION

SB-1108 is a 1 Input To 8 Outputs for VGA (RGBHV) signals distribution amplifier respectively. For HD high resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz (G=+2), Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048 at distances up to 150 feet away without signal deterioration. Signal quality is main-tained over a wide bandwidth with worst-case distortion of -40dBc @ 250MHz (G=+10, 1Vp-p). Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1RU high. All units are +12VDC powered and the universal switching power 100~240VAC 50/60Hz adaptor is included.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 8 outputs of Signal VGA (RGBHV) Distribution Amplifier
02. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
03. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200)
04. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
05. Support Lower power consumed full load under 500mA
06. Automatically Scan rates accepted : 50Hz or 60Hz
07. Goods Video Specifications Gain Flatness 0.1dB to 75MHz
08. High Output Drive 175 mA Output Load Drive
09. Terminal via HDdB15P Female connector
10. Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V,0.66A

SPECIFICATIONS

Type of Amplifier	1 input to 8 outputs VGA Distribution Amplifier
Type of Signals	VGA (RGBHV) via HD-15p via HD-15P female connectors
Large Signal Bandwidth	440MHz, G=+2
Small signal Bandwidth	1GHz (-3dB) G=+1
Settling Time	10 ns to 0.1%, 2 V Step, G=+2
Scan rates accepted	50Hz or 60Hz
Resolutions	VGA, SVGA, XGA, UXGA,WUXGA 1920x1200
Safety Approvals	CE, FCC, Erp, WEEE
Dimension (WxDxH)	8.66" x 4.48" x 1.73" (220mm x 114mm x 44mm)
Weight	0.85 kg / 1.87 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-1116

1x16 VGA Distribution Amplifier

Input : 1x VGA (RGBHV)
Output : 16x VGA (RGBHV)

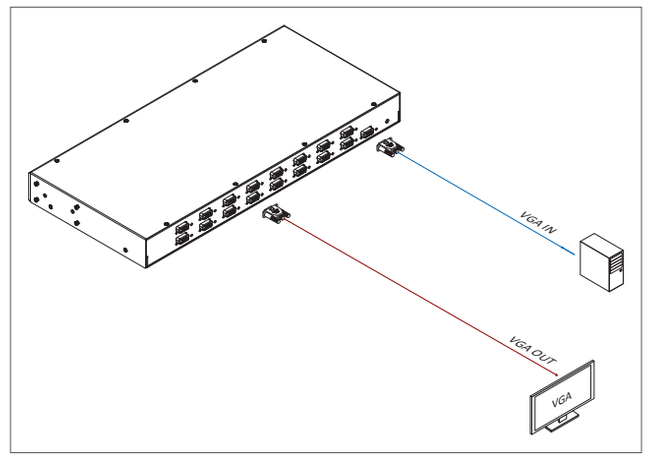
VGA | DISTRIBUTOR | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-1116 is a 1 Input To 16 Outputs for VGA (RGBHV) signals distribution amplifier respectively. For HD high resolution VGA (640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1024) UXGA(1600x1200), WUXGA(1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz(G=+2), Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048 at distances up to 150 feet away without signal deterioration. Signal quality is main-tained over a wide bandwidth with worst-case distortion of -40dBc @ 250MHz (G=+10, 1Vp-p). Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1RU high. All units are +12VDC powered and the universal switching power 100~240VAC 50/60Hz adaptor is included.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 16 outputs of Signal VGA (RGBHV) Distribution Amplifier
02. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
03. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200)
04. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
05. Support Lower power consumed full load under 500mA
06. Automatically Scan rates accepted : 50Hz or 60Hz
07. Goods Video Specifications Gain Flatness 0.1dB to 75MHz
08. High Output Drive 175 mA Output Load Drive
09. Terminal via HDdB15P Female connector
10. Enclosure Support 19" Ear rack mount pair and 1RU 19" rack mountable
11. Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V, 1.25A

SPECIFICATIONS

Type of Amplifier	1 input to 16 outputs VGA Distribution Amplifier
Type of Signals	VGA (RGBHV) via HD-15p via HD-15P female connectors
Large Signal Bandwidth	440MHz, G=+2
Small Signal Bandwidth	1GHz (-3dB) G=+1
Settling Time	10 ns to 0.1%, 2 V Step, G=+2
Scan rates accepted	50Hz or 60Hz
Resolutions	VGA, SVGA, XGA, UXGA,WUXGA 1920x1200
Safety Approvals	CE, FCC, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5460

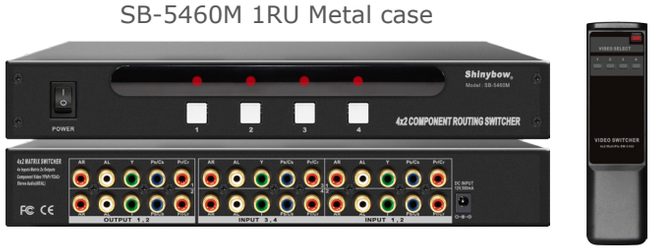
4x2 Component · Audio Routing Switcher

Input : 4x Component Video (YPbPr) / Stereo Audio (AR/AL)
Output : 2x Component Video (YPbPr) / Stereo Audio (AR/AL)

COMPOSITE AUDIO SWITCHER

SB-5460 4:2 Routing Switcher

SB-5460M 1RU Metal case

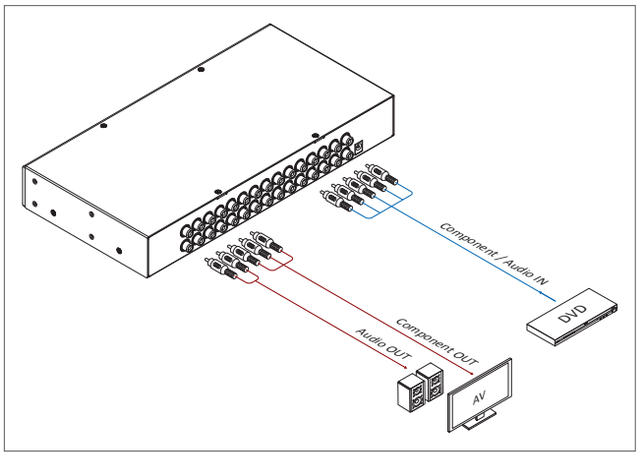


Ear Rack : 1U-300L

INTRODUCTION

SB-5460 is a high speed Video Bandwidth 250MHz, Maximum 300MHz 4 input to 2 output Router Switcher product. It's one of the most innovative Component Video(YPbPr), and Stereo Audio(AR/AL) switching products on the market today. Support 19 inch Ear mount pair part number #1U-300L. It has 4 individual inputs with 2 individual outputs. Because it is a Router Switcher, any input may be routed to output. It completely eliminates the need to constantly move around Component Video and Stereo Audio input and output cables. This Router Switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 2 outputs Component-Audio Router Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 250MHz (-3dB), 200 mVp-p
04. Audio Bandwidth : 60MHz. compatible Composite Video
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Infrared : IR remote control via Frequency (38KHz)
08. Signals switch including: Component Video YPbPr & Stereo Audio (AR/AL)
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection channel via front pushbuttons with LED readout
11. Enclosure type : SB-5460M Support 19 inch Ear & 1RU Rack mountable
12. Support Lower power consumed full load under 250 mA
13. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 2 outputs Component-Audio Router Switcher
Video Bandwidth	250MHz, (-3dB) 200 mV p-p, 280MHz, (-3dB) 2V p-p, R=250MHz, G=250MHz, B=250MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Controls	IR Remote Controller (38KHz), Front panel selection buttons with LED readout
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	SB-5460 : 9.37" x 5.70" x 1.81" (238mm x 145mm x 46mm) SB-5460M : 11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	SB-5460 : 0.5 kg / 1.1 lb SB-5460M : 1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5470

4x2 Component · Audio Matrix Switcher

Input : 4x Component Video (YPbPr) / Stereo Audio (AR/AL)
Output : 2x Component Video (YPbPr) / Stereo Audio (AR/AL)

COMPOSITE AUDIO MATRIX

SB-5470 4x2 Matrix Switcher

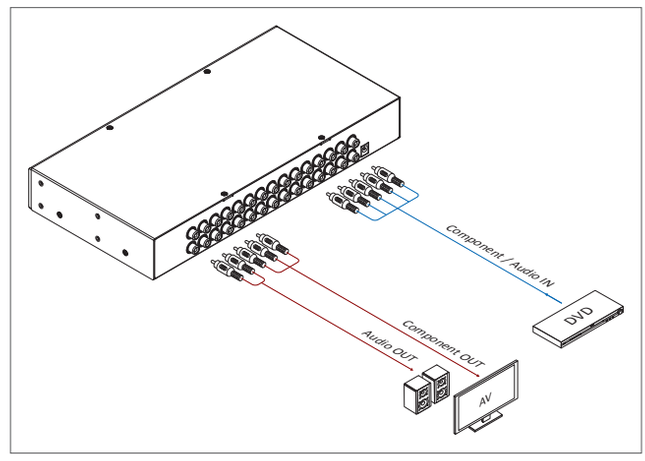
SB-5470M 1RU Metal case

Ear Rack : 1U-300L

INTRODUCTION

SB-5470 is a high speed Video Bandwidth 250MHz,Maximum 300MHz Matrix Router Switcher product. It's one of the most innovative Component Video(YPbPr), and Stereo Audio(AR/AL) switching products on the market today. Support 19 inch Ear mount pair part number #1U-300L. It has 4 individual inputs with 2 individual outputs. Because it is a matrix router, any input may be routed to any output;or the same input may be routed to all outputs or any combination.It completely eliminates the need to constantly move around Component Video and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 2 outputs Component-Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 250MHz (-3dB), 200 mVp-p
04. Audio Bandwidth : 60MHz. compatible Composite Video
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Infrared : IR remote control via Frequency (38KHz)
08. Signals switch including: Component Video YPbPr, Stereo Audio (AR/AL)
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via front pushbuttons with LED readout
11. Enclosure type : Support 19 inch Ear & 1RU Rack mountable panel
12. Support Lower power consumed full load under 450 mA
13. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 2 outputs Component-Audio Matrix Switcher
Video Bandwidth	250MHz, (-3dB) 200 mV p-p, 300MHz, (-3dB) 2V p-p, R=250MHz, G=250MHz, B=250MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Controls	IR Remote Controller (38KHz), Front panel selection buttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Dimension (WxDxH)	SB-5470 : 9.37" x 5.70" x 1.81" (238mm x 145mm x 46mm) SB-5470M : 11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	SB-5470 : 0.5 kg / 1.1 lb SB-5470M : 1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5526

4x2 Component · Digital · Optical · Audio Matrix Switcher

Input : 4x Component Video (YPbPr) / Digital Audio (PCM) / Optical (Toslink) / Stereo Audio (AR/AL)
Output : 2x Component Video (YPbPr) / Digital Audio (PCM) / Optical (Toslink) / Stereo Audio (AR/AL)

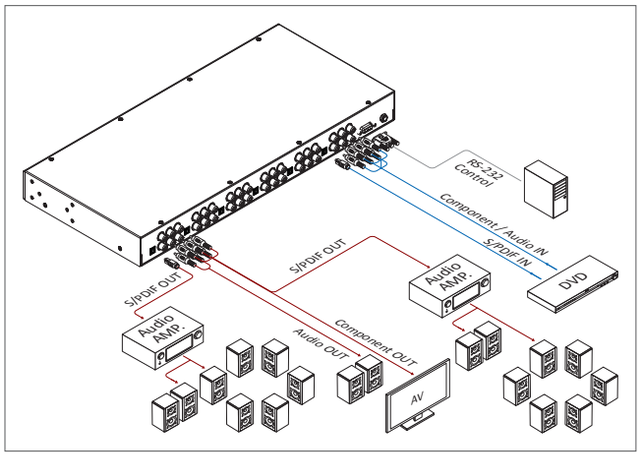
MATRIX PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-5526 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video (YPbPr) Digital Audio(PCM), Optical(Toslink) and Stereo Audio(AR/AL) Switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 4 individual inputs with 2 individual outputs. Because it is a matrix router, any input may be routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-5526 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 2 outputs Component-Digital-Optical-Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 325MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio, Optical and Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Switching Component Video YPbPr, Digital Audio(PCM) and Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via front pushbuttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support RS 232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 1RU Rack mountable pane
15. Support Lower power consumed full load under 1500 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of Switcher	4 x 2 Component Video/Optical/Digital Audio and Stereo Audio Matrix Switcher
Type of Signal	Component Video/Optical/Digital Audio and Stereo Audio connectors
Complete Solution	Fully Buffered inputs and outputs
Channel switching	15ns
Scan rates accepted	50Hz or 60Hz
Video Performance	90MHz 0.1dB Gain Flatness, 0.01% Differential Gain Error
Differential Phase Error	0.02, 0.1dB (RL=150)
Video Bandwidth	380MHz, (-3dB) 200mVp-p, 310MHz (-3dB) 2Vp-p
High resolution	Refresh for HDTV 408p, 576p, 720p, 1080i60, 1080p60
Digital Bandwidth	110MHz
Audio Frequency Respond	20Hz~20KHz, +0.05dB
Slew rate	1000 V/us
OFF isolation	-100dB @ 10MHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Digital	Coaxial (S/PDIF) Digital Audio (PCM) 10Mbps
Optical (S/PDIF) in/out	Toslink (PS:OC3=STM1=155.52 Mbps)
Controls	IR remote controller, front pressed buttons with LED readout, RS-232
Safety approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5644

4x4 Component · Digital · Audio Matrix Switcher

Input : 4x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)
Output : 4x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)

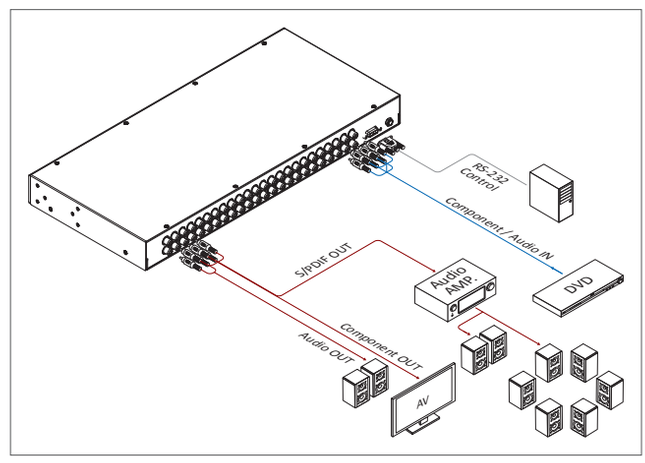
COMPONENT MATRIX PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-5644 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video (YPbPr), Digital Audio(PCM) and Stereo Audio (AR/AL) Switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 4 individual inputs with 4 individual outputs. Because it is a matrix router, any input may be routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-5644 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 4 outputs Component-Digital-Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 325MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Switching Component Video YPbPr, Digital Audio(PCM) and Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via Front pushbuttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support RS 232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 1RU Rack mountable pane
15. Support Lower power consumed full load under 1500 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 4 outputs Component-Digital-Audio Matrix Switcher
Video Bandwidth	325MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller (38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5644LCM

4x4 Component · Digital · Audio Matrix Switcher

Input : 4x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)
Output : 4x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)

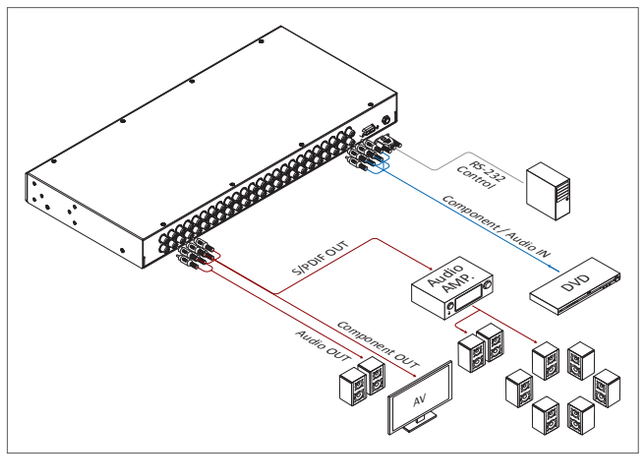
COMPONENT MATRIX PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-5644 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video (YPbPr), Digital Audio(PCM) and Stereo Audio (AR/AL) Switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 4 individual inputs with 4 individual outputs. Because it is a matrix router, any input may be routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-5644 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 4 outputs Component-Digital-Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 325MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Switching Component Video YPbPr, Digital Audio(PCM) and Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via Front pushbuttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support RS 232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 1RU Rack mountable pane
15. Support Lower power consumed full load under 1500 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 4 outputs Component-Digital-Audio Matrix Switcher
Video Bandwidth	325MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller (38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5564

6x4 Component · Audio Matrix Switcher

Input : 6x Component Video (YPbPr) / Stereo Audio (AR/AL)
Output : 4x Component Video (YPbPr) / Stereo Audio (AR/AL)

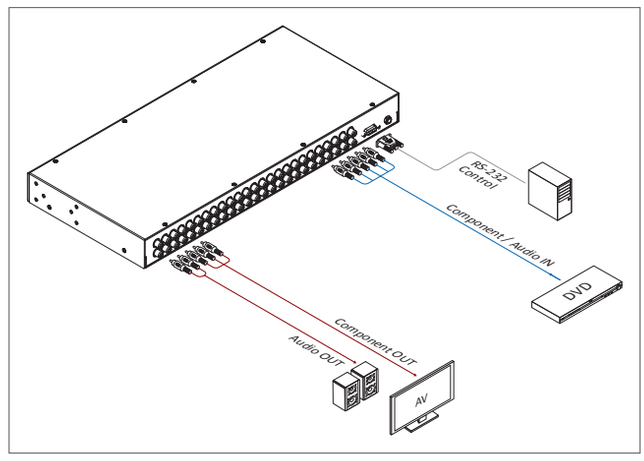
COMPONENT AUDIO MATRIX PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-5564 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video(YPbPr)and Stereo Audio(AR/AL) Switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 6 individual inputs with 4 individual outputs. Because it is a matrix router, any input maybe routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full High Definition LCD HDTV TV for resolution 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-5564 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 6 inputs to 4 outputs Component Video Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 325MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Switching Component Video YPbPr and Stereo Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via Front pushbuttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support RS 232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 1RU Rack mountable pane
15. Support Lower power consumed full load under 1350 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	6 inputs to 4 outputs Component Video Audio Matrix Switcher
Video Bandwidth	325MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller(38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5564LCM

6x4 Component · Audio Matrix Switcher

Input : 6x Component Video (YPbPr), Stereo Audio (AR/AL)
Output : 4x Component Video (YPbPr), Stereo Audio (AR/AL)

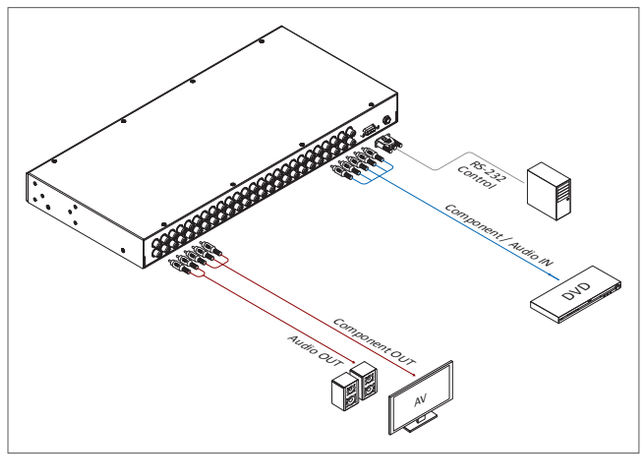
COMPONENT AUDIO MATRIX PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-5564 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video(YPbPr)and Stereo Audio(AR/AL) Switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L and MRM is 19 inch 1RU Rack mount type. It has 6 individual inputs with 4 individual outputs. Because it is a matrix router, any input maybe routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full High Definition LCD HDTV TV for resolution 480p, 720p 1080i and 1080p or Plasma display monitor applications. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-5564 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 6 inputs to 4 outputs Component Video Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p, 1080i and 1080p
03. Video Bandwidth : 325MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Switching Component Video YPbPr and Stereo Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via Front pushbuttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support RS 232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 1RU Rack mountable pane
15. Support Lower power consumed full load under 1350 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	6 inputs to 4 outputs Component Video Audio Matrix Switcher
Video Bandwidth	325MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller (38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5582

8x2 Component · Audio Matrix Switcher

Input : 8x Component Video (YPbPr), Stereo Audio (AR/AL)
Output : 2x Component Video (YPbPr), Stereo Audio (AR/AL)

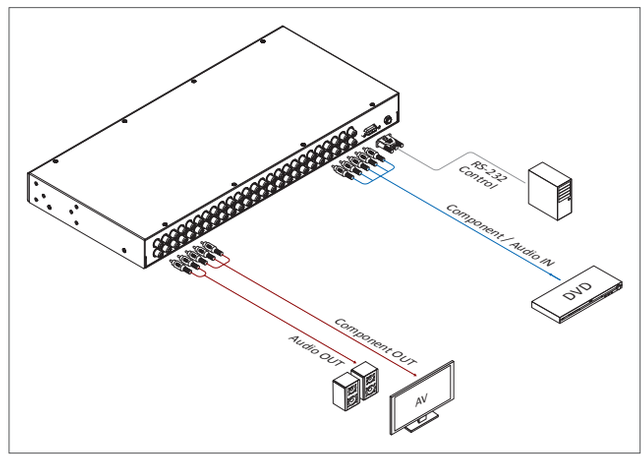
COMPONENT AUDIO MATRIX PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-5582 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video(YPbPr) and Stereo Audio(AR/AL) Switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 8 individual inputs with 2 individual outputs. Because it is a matrix router, any input may be routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control A Windows-based control software package is included to provide complete control of the SB-5582 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 8 inputs to 2 outputs Component Video Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 325MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Switching Component Video YPbPr and Stereo Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via front pushbuttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support RS 232 interface control driver for 95/98/2000/xp A Windows-based control software driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 1RU Rack mountable pane
15. Support Lower power consumed full load under 800 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 2 outputs Component Video Audio Matrix Switcher
Video Bandwidth	325MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB@10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller(38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5582LCM

8x2 Component · Audio Matrix Switcher

Input : 8x Component Video (YPbPr), Stereo Audio (AR/AL)
Output : 2x Component Video (YPbPr), Stereo Audio (AR/AL)

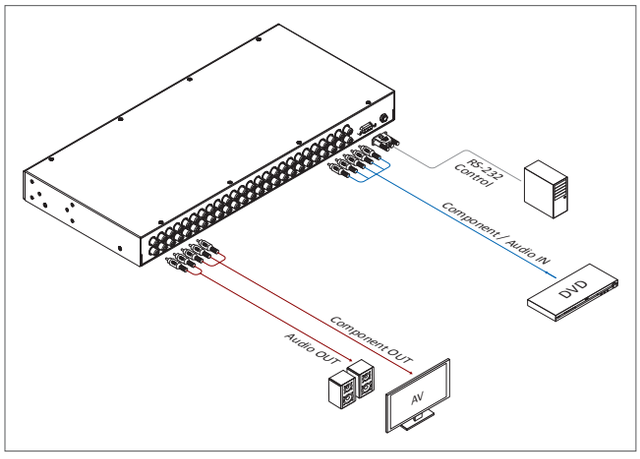
COMPONENT | AUDIO | MATRIX | PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-5582 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video(YPbPr) and Stereo Audio(AR/AL) Switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 8 individual inputs with 2 individual outputs. Because it is a matrix router, any input may be routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p, 1080i. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control A Windows-based control software package is included to provide complete control of the SB-5582 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 8 inputs to 2 outputs Component Video Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 325MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Excellent ESD rating : exceeds 4000 V
08. Switching Component Video YPbPr and Stereo Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via front pushbuttons with LED readout
11. Infrared : IR remote control (38KHz)
12. Support RS 232 interface control driver for 95/98/2000/xp A Windows-based control software driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 1RU Rack mountable pane
15. Support Lower power consumed full load under 800 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 2 outputs Component Video Audio Matrix Switcher
Video Bandwidth	325MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller(38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-8802LCM

8x8 Component Video Matrix Switcher

Input : 8x Component Video (YPbPr)
Output : 8x Component Video (YPbPr)

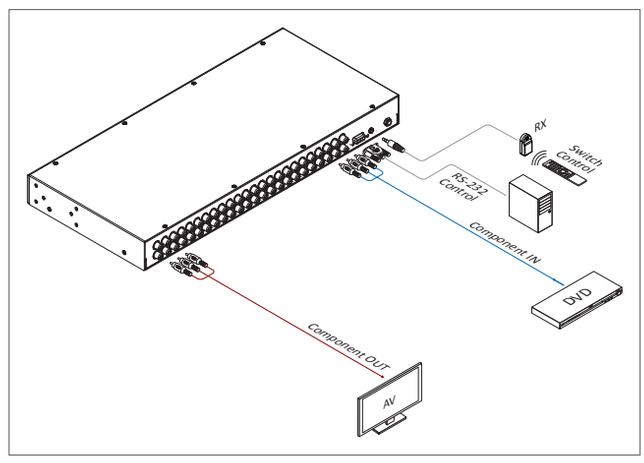
COMPONENT MATRIX PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-8802 is a high speed Video Bandwidth 325MHz Maximum 380MHz Matrix Router Switcher product. It's one of the most innovative Component Video (YPbPr), Matrix switching products on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 8 individual inputs with 8 individual outputs. Because it is a matrix router, any input may be routed to any output ; or the same input may be routed to all outputs or anycombination.
It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-8802 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Supports 8 inputs to 8 outputs Component Video(YPbPr) Matrix Switcher
02. Input/Output signals via Component Video(YPbPr)
03. Higher Video Bandwidth 325MB each path signals
04. Supported HDTV high definition resolutions 408p, 576i/p, 720p
05. Support 300M long distance IR Extender Remote control port.
06. Compatible with most Component Video devices, Plasma TV display and HDTV
07. Supported RS-232 serial interface protocol commands list
08. Control PC RS-232 Drive compatible with windows 95/98/2000/xp
09. Various User Interface controls:
    - Attached Window based control software for Desktop or NB control by RS-232 port
    - Manual controlled by Front Panel button
    - IR remote control
10. Support desktop with Ear mount and 19 inch 1U High Rack mountable type panel
11. Power supply DC12V, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Switcher	8 in To 8 out, Component Video (YPbPr) Matrix Switcher
I/O Signals	Component Video (YPbPr) 0.5~1.0Vpp, DDC 5Vpp
Video Bandwidth	325MHz (-3db), 200mVp-p
Video Supported	Higher resolution formats 480i/p, 720p & 1080i/p
Low all hostile crosstalk	-83dB@5MHz
Gain control	60MHz 0.1dB gain flatness
Chassis Material	Metial (T=1mm)
IR Extend Distance	300M IR line cable via IR Remote Control
Controls	IR remote, Select buttons on the front panel & RS-232
PC RS-232 Control	RS-232 interface serial via DRV on a PC
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5588LCM

8x8 Component · Digital · Audio Matrix Switcher

Input : 8x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)
Output : 8x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)

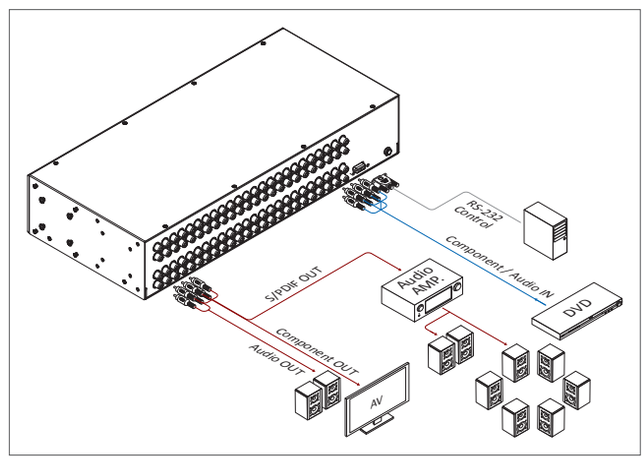
COMPONENT MATRIX PRO VOLUME BALANCE

Ear Rack : 2U-440L

INTRODUCTION

SB-5588 is a high speed Video Bandwidth 325MHz Matrix Router Switcher product. It's one of the most innovative Component Video (YPbPr), Digital Audio (PCM) and Stereo Audio (AR/AL) switching products on the market today. Stereo Audio output support the Volume control (+0~+100 levels) and Balance adjusting (L=0~50, R=51~100) function. Support 19 inch Ear mount pair part number #2U-440L. It has 8 individual inputs with 8 individual outputs. Because it is a matrix router, any input may be routed to any output; or the same input may be routed to all outputs or any combination. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This matrix switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows-based control software package is included to provide complete control of the SB-5588 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 8 inputs to 8 outputs Component-Digital-Audio Matrix Switcher
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 250MHz (-3dB), 200 mVp-p
04. Excellent Video(Component), Digital Audio and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Stereo Audio output support Volume (+0~+100 levels) and Balance (L50~R50) control function.
07. Low all hostile crosstalk of -83dB @ 5MHz
08. Excellent ESD rating : exceeds 4000 V human body model
09. Switching Component Video YPbPr, Digital Audio (PCM) and Audio signals
10. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
11. Direct selection and confirm via Front pushbuttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support RS-232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
14. RS-232 protocol list with manual attached
15. Enclosure type : Support 19 inch Ear & 2RU Rack mountable pane
16. Support Lower power consumed full load under 1500 mA
17. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 8 outputs Component-Digital-Audio Matrix Switcher
Video Bandwidth	250MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=325MHz, G=325MHz, B=325MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
Audio Volume control	+0 ~ +100 levels (+6db)
Audio Balance control	L=+0 ~ +50, R=+51 ~ +100
Gain Flatness	90MHz, 0.1dB
Differential Gain Error	0.01%, 0.1dB
Differential Phase Error	0.02, 0.1dB (RL=150W)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-83dB @ 5MHz, -54dB @ 50MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Output Current	100 mA
Low power CMOS	550 uA Quiescent Current
Controls	IR Remote Controller (38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 88mm)
Weight	3.25 kg / 7.16 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5588CT

8x8 Component · Digital · Audio CAT5 Matrix Switcher

Input : 8x Component Video (YPbPr) / Digital Audio / Stereo Audio(AR/AL) + 1 Preview port
Output : 8x CAT5 (Component Video / Digital Audio)

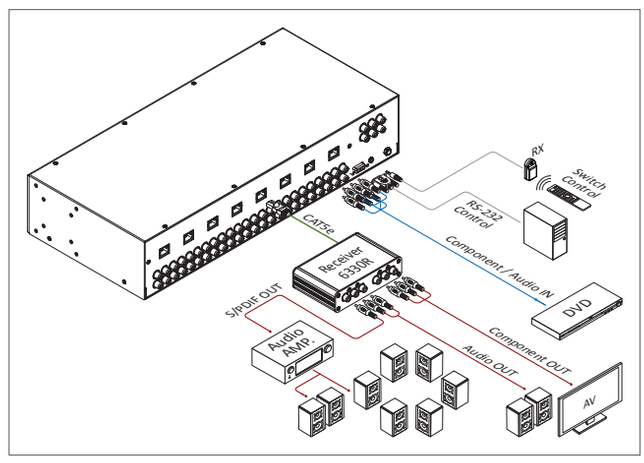
SWITCHER MATRIX PRO CAT5 EXTENDER

Ear Rack : 2U-440L

INTRODUCTION

The SB-5588CT is a true Matrix Routing Switcher for Component Video(YPbPr) Digital Audio(PCM)/Stereo Audio signals. It is an 8 individual Component Video(YPbPr)/Digital Audio(PCM)/Stereo Audio(AR/AL) inputs and 8 individual CAT5 Digital Audio(PCM)/Stereo Audio(AR/AL) outputs. And one(1) Preview output port. Because it is a matrix router, any input may be routed to any output; or the same input may be routed totally outputs or any combination. It completely eliminates the need to constantly move around audio and video input cables and output category (RJ-45) cables. The SB-5588CT is useful for Matrix signals from A/V source devices (such as: VCRs, Camcorders, Video Game Consoles, Video CD players, DVD players, Satellite Receivers, CATV Set Top Boxes, etc.) To AV destination devices over CAT5 cables (such as: LCD TV, Plasma TV Monitors, HDTV Sets, Video Projectors, etc.)Control inputs via the front panel push buttons or an Infrared Remote Control unit or RS-232 control by a computer. The RS-232 will support via Ethernet(optional) control by computer, The preview output is provide via output#1 on the same time and picture.

DIAGRAM TYPICAL



FEATURES

01. Support 8 inputs to 8 outputs Component over CAT5 Output Matrix Switcher
02. Input signals support Component Video(YPbPr), Digital Audio, Stereo Audio
03. Output Signals via CAT5 category cable to HDTV, HD LCD displays
04. Support HDTV high definition resolutions 408p, 576i/576p, 720p
05. Higher Video Bandwidth 325MB each path signals
06. The Digital Audio (PCM) and Composite Video compliant
07. Compatible with all Component Video devices, Plasma TV display and HDTV
08. Switching Component Video YPbPr, Digital Audio (PCM) and Audio signals
09. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
10. Direct selection and confirm via Front pushbuttons with LED readout
11. Various User Interface controls:
    - Attached Window based control software for Desktop or NB control by RS-232 port
    - Manual control by Front Panel button
    - IR remote control
    - RS-232 via Ethernet by Optional
    - Video via Ethernet by Optional
    - IR Extender
12. Support PC RS-232 Drive compatible with Win-95/98/2000/XP A Windows-based control software Driver packaged
13. RS 232 protocol list with manual attached
14. Enclosure type : Support 19 inch Ear & 2RU Rack mountable pane
15. Support Lower power consumed full load under 1500 mA
16. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of Switcher	8 in to 8 out, Component Video-Digital-Audio Matrix Switcher
Input ports:A Group	1x Component Video (YPbPr) 0.5~1.0Vpp, DDC 5Vpp, 1x Digital Audio (PCM), Via 1x RCA connector, 1x Stereo Audio (AR/AL), Via 2x RCA connector(Red/white)
Output ports:A Group	1x CAT5 : Component Video (YPbPr) 0.5~1.0Vpp, DDC 5Vpp, Via 1x RJ45 CAT5 connector 1x CAT5 : Digital Audio (PCM) and Stereo Audio (AR/AL) Via 1x RJ45 CAT5 connector
Video Bandwidth	450MHz (-3dB), 200mVp-p
Video Support	Higher resolution formats 480i/p, 720p & 1080i/p
Audio Support	Digital Audio(PCM) and Stereo Audio(AR/AL)
Low all hostile crosstalk	-83dB@5MHz
Controls	IR remote, Select buttons on the front panel & RS-232
PC RS-232 Control	RS-232 interface serial via DRV on a PC
Gain control	60MHz 0.1dB gain flatness
Chassis Material	Metal thin=1mm
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 88mm)
Weight	3.25 kg / 7.16 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3776

1x2 Component Video Distribution Amplifier

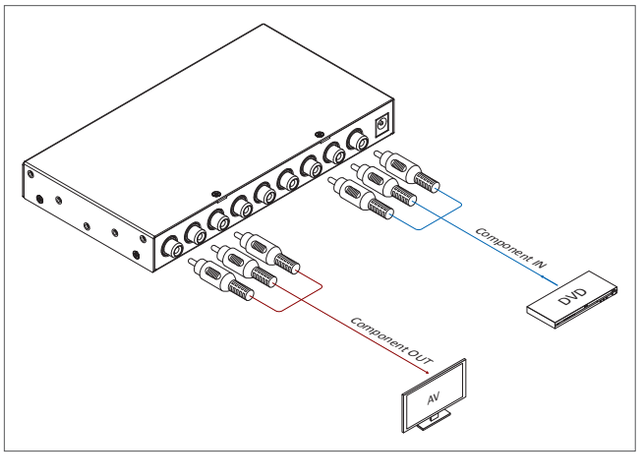
Input : 1x Component Video (YPbPr)
Output : 2x Component Video (YPbPr)

COMPONENT AMPLIFIER

INTRODUCTION

SB-3776 is a high speed Video Bandwidth small signal 300MHz large signal 320MHz Distribution Amplifier product. It's one of the most innovative Component Video(YPbPr),Distribution Amplifier product on the market today. Support wall mount pair part type. It has 1 individual input with 2 individual outputs. Because it is a Component Video amplifier, the input may be distribution to any two outputs. It completely eliminates the need to constantly move around Component Video input and output cables. This distribution amplifier is ideally suited for full HDTV for the resolution of 480p, 720p 1080i. Control is provided power switch via front pushbuttons with LED readout remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 2 outputs Component Video Distribution Amplifier
02. Support HDTV Resolution 480i, 480p, 576p, 720p, 1080i and 1080p
03. Video Bandwidth : 250MHz (-3dB), 200 mVp-p
04. Low all hostile crosstalk of -83dB @ 5MHz
05. Signals switch including: Component Video YPbPr Signals
06. Suitable for full HD high resolution video player device and LCD/Plasma monitor displays
07. Power switch direct ON/OFF via Front pushbuttons with LED readout
08. Enclosure type : Support wall Rack mountable panel
09. Support Lower power consumed full load under 175 mA
10. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of Amplifier	1 input to 2 outputs Component Video Distribution Amplifier
Video Bandwidth	250MHz, (-3dB) 200 mV p-p, 300MHz, (-3dB) 2V p-p, R=250MHz, G=250MHz, B=250MHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Controls	Power switch on front panel selection buttons with LED readout
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3729

1x2 Component · Audio Distribution Amplifier

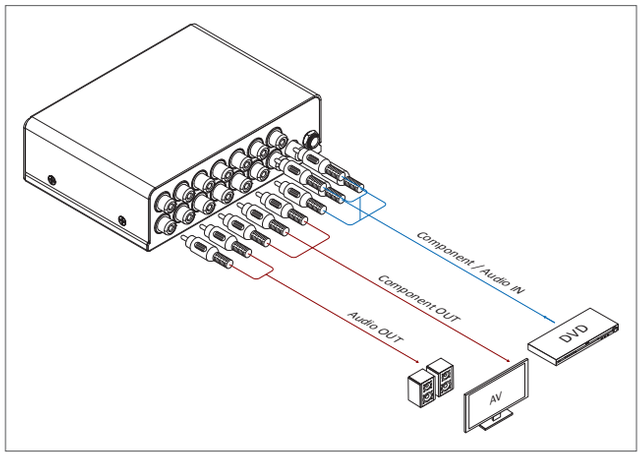
Input : 1x Component Video (YPbPr) / Stereo Audio (AR/AL)
Output : 2x Component Video (YPbPr) / Stereo Audio (AR/AL)

COMPONENT AUDIO AMPLIFIER

INTRODUCTION

SB-3729 is a high speed Video Bandwidth small signal 400MHz and large signal 450MHz one input to two outputs distribution amplifier product. It's one of the most innovative Component Video(YPbPr) and Stereo Audio (AR/AL) Distribution Amplifier product on the market today. It has 1 individual input with 2 individual outputs. Because it is a distribution amplifier, the input may be distributed to any two outputs; it completely eliminates the need to constantly move around Component Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided power switch via front on/off switch.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 2 outputs Component-Audio Distribution Amplifier
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 450MHz (-3dB), 200 mVp-p
04. Audio bandwidth : 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Signals switch including: Component Video YPbPr, Stereo Audio (AR/AL) signals
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Direct selection power switch via Front panel
10. Support Lower power consumed full load under 450 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 2 outputs Component-Audio Distribution Amplifier
Video Bandwidth	400MHz, (-3dB) 200 mV p-p, 450MHz, (-3dB) 2V p-p, R=450MHz, G=450MHz, B=450MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB)(Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Controls	Power switch via Front panel switch LED readout
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	5.11" x 3.70" x 1.57" (130mm x 94mm x 40mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3730

1x4 Component · Audio Distribution Amplifier

Input : 1x Component Video (YPbPr) / Stereo Audio (AR/AL)
Output : 4x Component Video (YPbPr) / Stereo Audio (AR/AL)

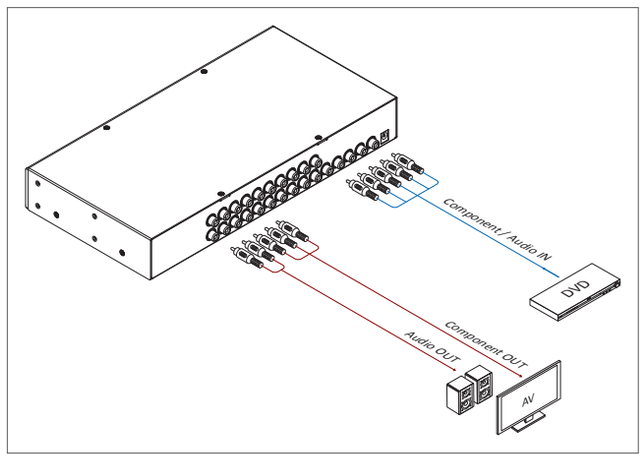
COMPONENT AUDIO DISTRIBUTOR

Ear Rack : 1U-300L

INTRODUCTION

SB-3730 is a high speed Video Bandwidth small signal 300MHz large signal 320MHz Distribution Amplifier product. It's one of the most innovative Component Video(YPbPr),and Stereo Audio(AR/AL) Distribution Amplifier product on the market today. Support 19 inch Ear mount pair part number #1U-300L. It has 1 individual input with 4 individual outputs. Because it is a Component Video and Audio amplifier, the input may be distribution to any output; it completely eliminates the need to constantly move around Component Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for TV for resolution 480p, 720p. Control is provided power switch via front pushbuttons with LED readout remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 4 outputs Component-Audio Distribution Amplifier
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : 300MHz (-3dB), 200 mVp-p
04. Audio bandwidth : 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Signals switch including: Component Video YPbPr, Stereo Audio (AR/AL) signals
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Direct selection power switch via front pushbuttons with LED readout
10. Enclosure type : Support 19 inch Ear & 1RU Rack mountable panel
11. Support Lower power consumed full load under 450 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 4 outputs Component-Audio Distribution Amplifier
Video Bandwidth	300MHz, (-3dB) 200 mV p-p, 380MHz, (-3dB) 2V p-p, R=300MHz, G=300MHz, B=300MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Controls	Power switch via front panel selection buttons with LED readout
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.35A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3737

1x8 Component · Audio Distribution Amplifier

Input : 1x Component Video (YPbPr) / Stereo Audio (AR/AL)
Output : 8x Component Video (YPbPr) / Stereo Audio (AR/AL)

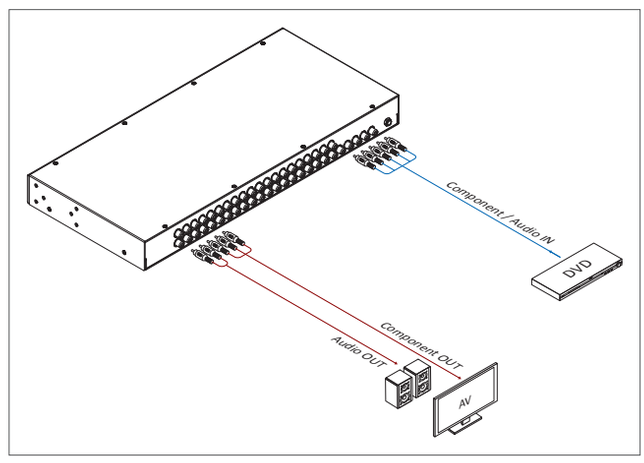
COMPONENT AUDIO PRO DISTRIBUTOR

Ear Rack : 1U-440L

INTRODUCTION

SB-3737 is a high speed Video Bandwidth small signal 700MHz large signal 440MHz Distribution Amplifier product. It's one of the most innovative Component Video(YPbPr), and Stereo Audio(AR/AL) Distribution Amplifier product on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 1 individual input with 8 individual outputs. Because it is a Component Video and Audio amplifier, the input may be distribution to any output; it completely eliminates the need to constantly move around Component Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for TV for the resolution of 480p, 720p. Control is provided power switch via front pushbuttons with LED readout.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 8 outputs Component-Audio Distribution Amplifier
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : Small Signal 700MHz, Large Signal 440MHz
04. Audio bandwidth : 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Signals switch including: Component Video YPbPr, Stereo Audio (AR/AL) signals
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Direct selection power switch via Front pushbuttons with LED readout
10. Enclosure type : Support 19 inch Ear & 1RU Rack mountable panel
11. Support Lower power consumed full load under 650 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 8 outputs Component-Audio Distribution Amplifier
Video Bandwidth	Small Signal 700MHz, Large Signal 440MHz, R=440MHz, G=440MHz, B=440MHz
Audio Bandwidth	60MHz (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Controls	Power switch via Front panel selection buttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3733

1x8 Component · Digital · Audio (1000Mb) Distribution Amplifier

Input : 1x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)
Output : 8x Component Video (YPbPr) / Digital Audio (PCM) / Stereo Audio (AR/AL)

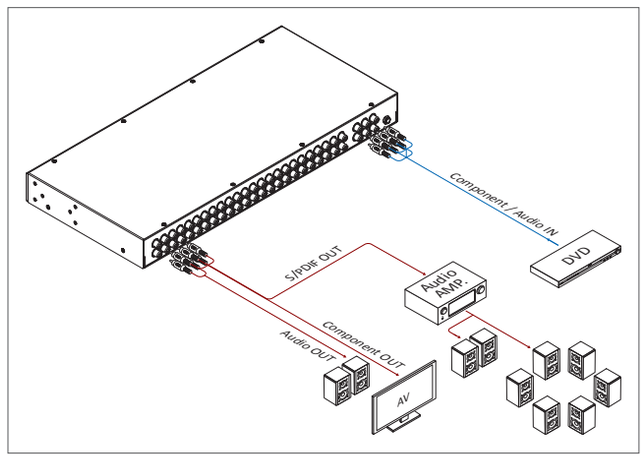
COMPONENT AUDIO PRO DIGITAL DISTRIBUTOR

Ear Rack : 1U-440L

INTRODUCTION

SB-3733 is a high speed Video Bandwidth small signal 700MHz large signal 1000MHz Distribution Amplifier product. It's one of the most innovative Component Video (YPbPr), Digital Audio(PCM) and Stereo Audio(AR/AL) with 8x outputs function distribution amplifier product on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 1 individual input with 8 individual outputs. Because it is a Component Video/Digital and Stereo Audio amplifier, 1 input can be distribution to any 8 outputs. It completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This distribution amplifier is ideally suited for TV for resolution 480p, 720p. Control is provided power switch via front pushbuttons with LED readout.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 8 outputs Component-Digital-Audio Distribution Amplifier
02. Support HDTV Resolution 480i, 480p, 576p, 720p
03. Video Bandwidth : Small signal 1000MHz, (-3dB), Large signal 440MHz
04. Digital Audio bandwidth : 110MHz. compatible Composite Video in/out
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Low all hostile crosstalk of -83dB @ 5MHz
07. Signals amplifier including : Component Video YPbPr, Digital Audio(S/PDIF) Stereo Audio (AR/AL) signals
08. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
09. Direct selection power switch via Front pushbuttons with LED readout
10. Enclosure type : Support 19 inch Ear & 1RU Rack mountable panel
11. Support Lower power consumed full load under 800 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of amplifier	1x input to 8x outputs Component-Digital-Audio Distribution Amplifier
Video Bandwidth	Small signal 1000MHz, (-3dB), Large signal 700MHz, R=700MHz, G=700MHz, B=700MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB)(Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	Channel Crosstalk : -56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Controls	Switch power via Front panel selection buttons with LED readout
Safety Approvals	CE, FCC, VCCI
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @0.65A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3750 · SB-3750M

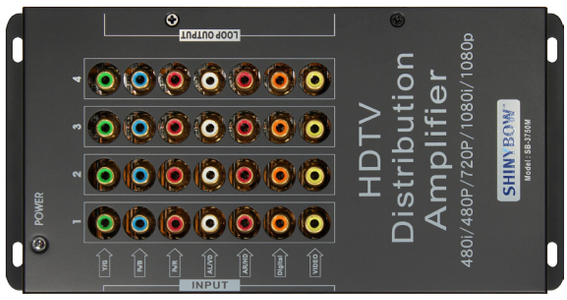
1x5 COMPONENT · DIGITAL · VIDEO · S-VIDEO · AUDIO DISTRIBUTION AMPLIFIER

Input : 1x Component Video(YPbPr), Digital Audio, S-Video, Composite Video, Stereo Audio
Output : 4x Component Video(YPbPr), Digital Audio, S-Video, Composite Video, Stereo Audio + 1x Loop Output Port

COMPONENT PRO DISTRIBUTOR

SB-3750
1x5 DISTRIBUTION AMPLIFIER (Loop Output)

SB-3750M
1x5 DISTRIBUTION AMPLIFIER (Loop Output)



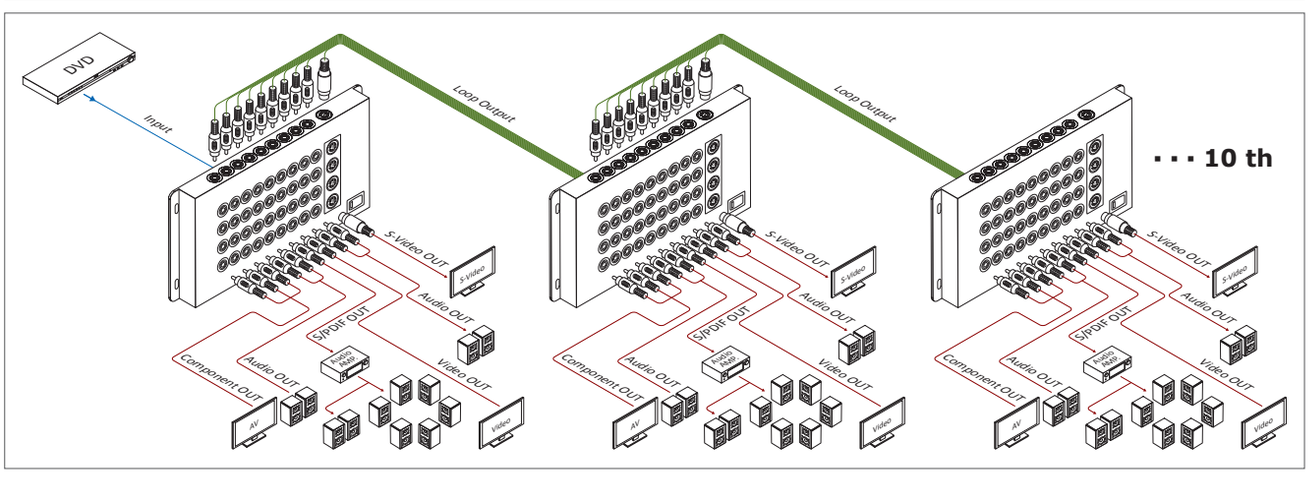
FEATURES

01. Support 1 input to 4 outputs and 1 Loop Output Distribution Amplifier
02. Signals amplifier including:
    - Component Video (YPbPr), Digital Audio (S/PDIF), S-Video(Y/C),
    - Composite Video and Stereo Audio (AR/AL) signals
03. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays. HDTV Resolution 480i, 480p, 576p, 720p
04. Video Bandwidth : Small signal 700MHz, (-3dB), Large signal 440MHz
05. Digital Audio bandwidth : 110MHz. compatible Composite Video in/out
06. Audio bandwidth : 60MHz. (-3dB).
07. Audio Frequency Respond : 20Hz ~ 20KHz
08. Low all hostile crosstalk of -83dB @ 5MHz
09. Support one Loop Output port, Linkage connection the others 10 amplifier units
10. Enclosure type : Support wall Rack mountable 1 inch high
11. Support Lower power consumed full load under 550 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of Amplifier	1 input to 4 outputs and 1 Loop Output Distribution Amplifier
Type of Signals	Component Video (YPbPr), Digital Audio (S/PDIF), S-Video(Y/C), Composite Video and Stereo Audio (AR/AL) signals
Video Bandwidth	Small signal 700MHz, (-3dB), Large signal 380MHz, R=380MHz, G=380MHz, B=380MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB)(Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Scan Rates Accepted	50Hz or 60Hz
Loop Output	Support one extend port to the others 10 amplifier units
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	9.05" x 4.48" x 1.06" (230mm x 114mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.35A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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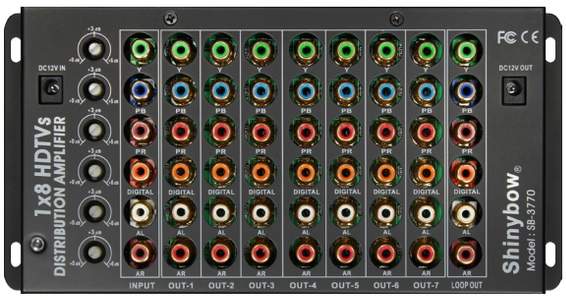
SB-3770

1x8 COMPONENT · DIGITAL · AUDIO DISTRIBUTION AMPLIFIER

Input : 1x Component Video(YPbPr), Digital Audio, Stereo Audio
Output : 7x Component Video(YPbPr), Digital Audio, Stereo Audio (Boost Signal ports) and 1x Loop Output Port

COMPONENT PRO AUDIO DIGITAL DISTRIBUTOR



INTRODUCTION

SB-3770 is a high speed Video Bandwidth small signal 700MHz, large signal 380MHz Distribution Amplifier product. It's one of the most innovative Component Video(YPbPr), Digital Audio(PCM) and Stereo Audio(AR/AL) with Loop output function Distribution Amplifier product on the market today. Support wall Rack mount type. It has 1 individual input with 7 individual outputs. Because it is a Component Video/Digital and Stereo Audio Amplifier, the input may be distribution to any output ; it completely eliminates the need to constantly move around Component Video, Digital Audio and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for TV for resolution 480p, 720p.

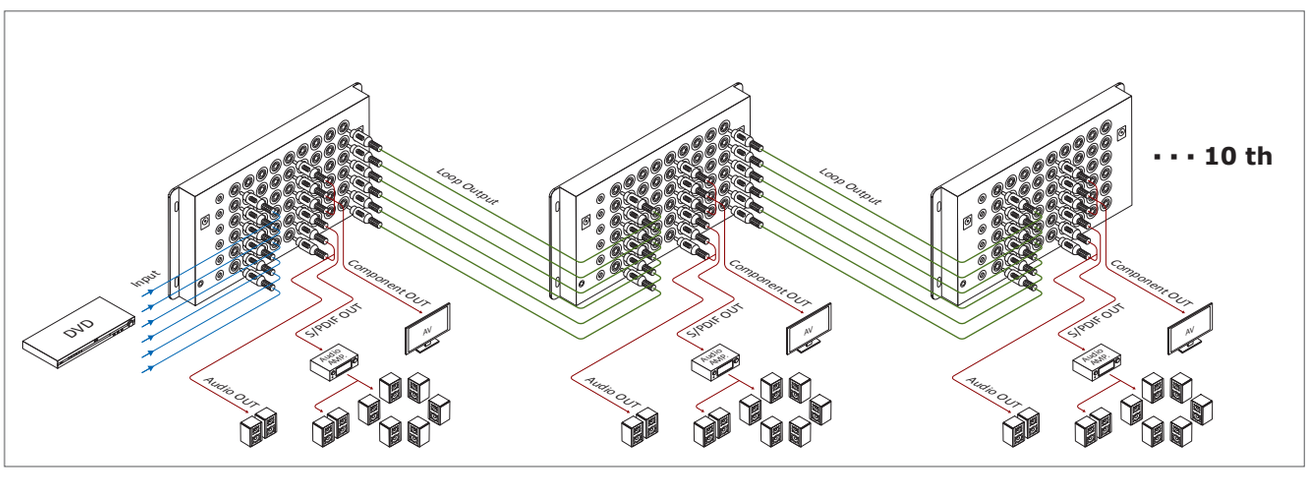
FEATURES

01. Support 1x input to 7x outputs with 1x Loop Output Distribution Amplifier
02. Signals amplifier including : Component Video (YPbPr), Digital Audio (S/PDIF), Stereo Audio (AR/AL) signals
03. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays. HDTV Resolution 480i, 480p, 576p, 720p
04. Video Bandwidth : Small signal 700MHz, (-3dB), Large signal 380MHz
05. Digital Audio bandwidth : 110MHz. compatible Composite Video in/out
06. Audio bandwidth : 60MHz. (-3dB)
07. Audio Frequency Respond : 20Hz ~ 20KHz
08. Boost signal 0~+6dB via upper case 6x VR range volume
09. Support one Loop Output port, Linkage connection the others 10 amplifier units
10. Enclosure type : Support wall Rack mountable 1 inch high
11. Support Lower power consumed full load under 770 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of amplifier	1 input to 7 outputs with 1x Loop Output Distribution Amplifier
Type of Signals	Component (YPbPr), Digital (S/PDIF), Stereo Audio signals
Video Bandwidth	Small signal 700MHz, (-3dB), Large signal 380MHz, R=380MHz, G=380MHz, B=380MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Boost Volume	0~+6dB, Amplifier 7 output ports
Loop Output	Support one extend port to the others 10 amplifier units
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	9.05" x 4.48" x 1.06" (230mm x 114mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.35A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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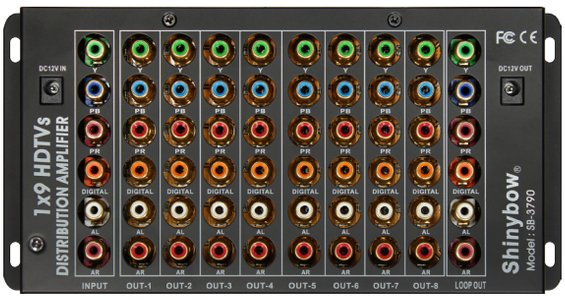
SB-3790 · SB-3780

1x9 Component · Digital · Audio Distribution Amplifier

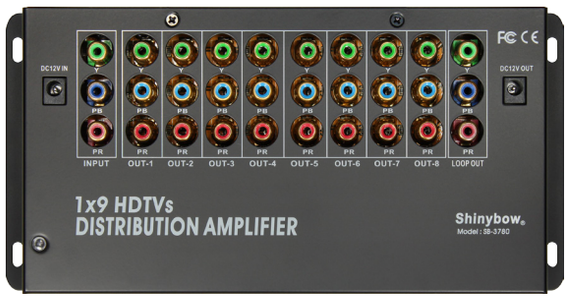
Input : 1x Component Video, Digital Audio, S-Video, Composite Video, Stereo Audio
Output : 8x Component Video, Digital Audio, S-Video, Composite Video, Stereo Audio and 1x Loop Output Port

COMPONENT PRO AUDIO DISTRIBUTOR

SB-3790
1x9 DISTRIBUTION AMPLIFIER (Loop Output)



SB-3780
1x9 DISTRIBUTION AMPLIFIER (Loop Output)



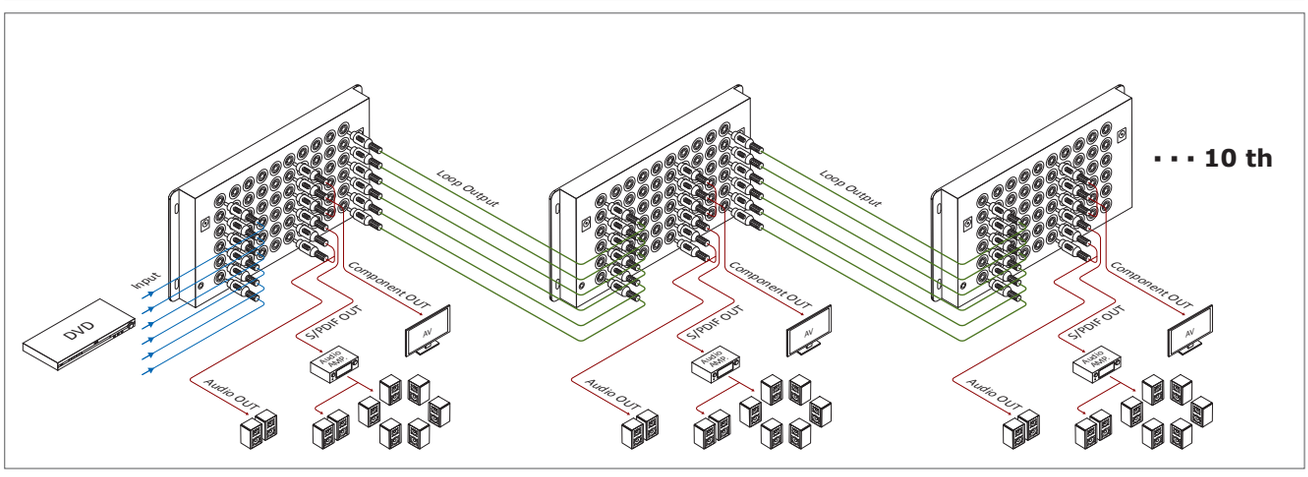
FEATURES

01. Support 1x input to 8x outputs and 1x Loop Output Distribution Amplifier
02. Signals amplifier including : Component Video (YPbPr), Digital Audio (S/PDIF), Stereo Audio (AR/AL) signals
03. Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays. HDTV Resolution 480i, 480p, 576p, 720p
04. Video Bandwidth : Small signal 1000MHz, (-3dB), Large signal 440MHz
05. Digital Audio bandwidth : 110MHz compatible Composite Video in/out
06. Audio bandwidth : 60MHz (-3dB)
07. Audio Frequency Respond : 20Hz ~ 20KHz
08. Low all hostile crosstalk of -83dB @ 5MHz
09. Support one Loop Output port, Linkage connection the others 10 amplifier units
10. Enclosure type : Support wall Rack mountable 1 inch high
11. Support Lower power consumed full load under 800 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of amplifier	1 input to 8 outputs and 1x Loop Output Distribution Amplifier
Type of Signals	Component (YPbPr), Digital(S/PDIF), Stereo Audio signals
Video Bandwidth	Small signal 700MHz, (-3dB), Large signal 380MHz, R=380MHz, G=380MHz, B=380MHz, Digital=110MHz, Audio=60MHz
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-84dB @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56dB @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
Loop Output	Support one extend port to the others 10 amplifier units
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	9.05" x 4.48" x 1.06" (230mm x 114mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.35A (World Wide Universal AC 100~240V 50/60Hz)

DIAGRAM TYPICAL



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SB-5440

8x1 Composite Video Switcher

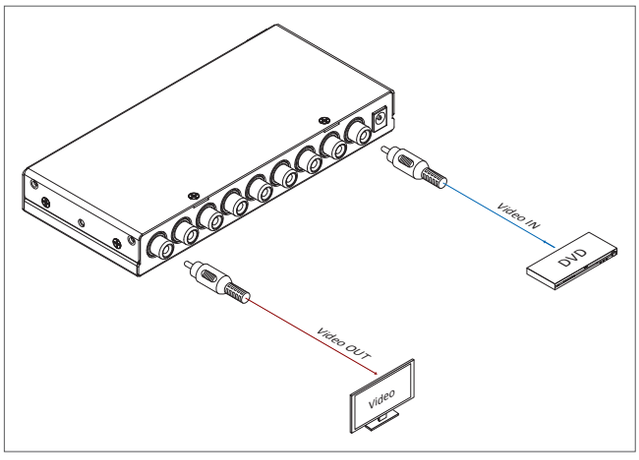
Input : 8x Composite Video
Output : 1x Composite Video

VIDEO SWITCHER

INTRODUCTION

SB-5440 is a 8 Inputs To 1 Output Composite Video Router Switcher. This switcher video use Bandwidth 100MHz product. It's one of the most innovative Composite Video Routing Switcher product on the market today. Support wall mount pair Rack mount type. It has 8 individual inputs with 1 individual output. Because it is a router switcher, so any inputs may be routed to any 1 output. It completely eliminates the need to constantly move around Composite Video input and output cables. This switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front selections push buttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 8 Inputs To 1 Output Composite Video (RCA) Router Switcher
02. Support switch signal Composite Video via 8x RCA Connectors
03. Video Bandwidth : 100MHz (-3dB)
04. Infrared : IR Remote Control via Frequency (38KHz)
05. Suitable for full HD high resolution Video player device and HDTV, LCD TV, Plasma TV, HD Monitor displays
06. Controls by Front panel selection pushbuttons with LED readout and IR Remote Controller
07. Support Lower power consumed full load under 450 mA
08. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 1 output Router Switcher
Type of Signals	Composite Video via 8x RCA Female Connector
Video Bandwidth	100MHz, (-3dB)
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38 KHz
Controls	Direct selection via Front panel pushbuttons with LED readout or IR Remote Controller
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5440BNC

8x1 Composite Video (BNC) Switcher

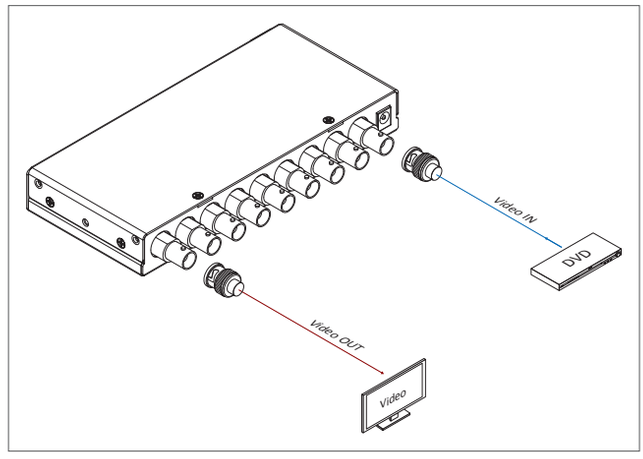
Input : 8x Composite Video (BNC)
Output : 1x Composite Video (BNC)

VIDEO BNC SWITCHER

INTRODUCTION

SB-5440BNC is a 8 inputs to 1 output Composite Video Router Switcher via BNC connector. The video use Bandwidth 100MHz product. It's one of the most innovative Composite Video Routing Switcher product on the market today. It has 8 individual inputs with 1 individual output. Because it is a Router Switcher, so any inputs may be routed to any one output. It completely eliminates the need to constantly move around Composite Video input and output cables. This switcher is ideally suited for TV for the resolution of 480p, 720p. Control is provided via front selections push buttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 8 Inputs to 1 Output Composite Video (BNC) Router Switcher
02. Support switch signal Composite Video via 8x BNC Connectors
03. Video Bandwidth : 100MHz (-3dB)
04. Infrared : IR Remote Control via Frequency (38KHz)
05. Suitable for full HD high resolution Video player device and HDTV, LCD TV, Plasma TV, HD monitor displays
06. Controls by Front panel selection pushbuttons with LED readout and IR Remote Controller
07. Support Lower power consumed full load under 450 mA
08. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 1 output Router Switcher
Type of Signals	Composite Video via 8x BNC Female Connector
Video Bandwidth	100MHz, (-3dB)
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38 KHz
Controls	Direct selection via front panel pushbuttons with LED readout or IR Remote Controller
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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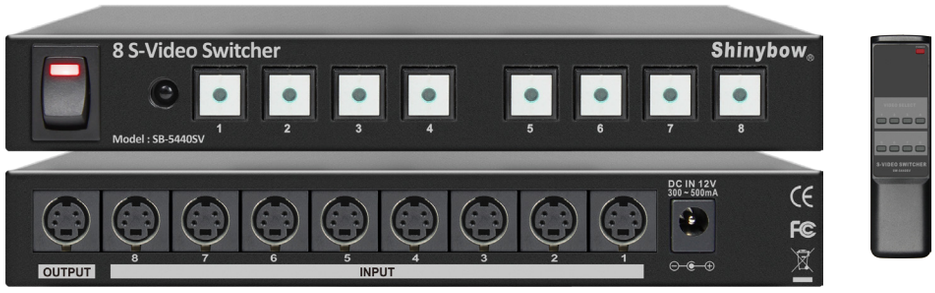
SB-5440SV

8x1 S-Video Switcher

Input : 8x S-Video
Output : 1x S-Video

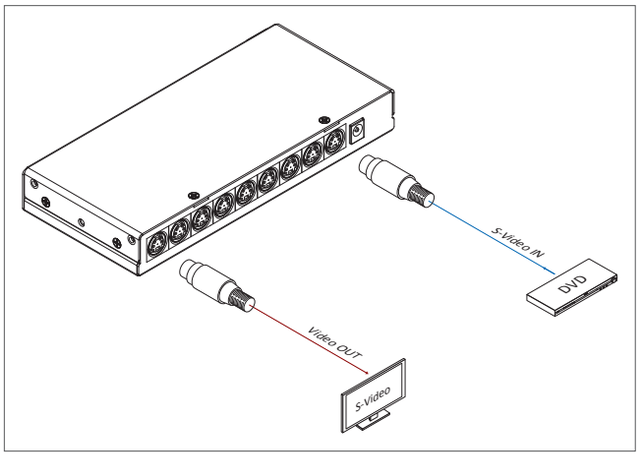
S-VIDEO SWITCHER



INTRODUCTION

SB-5440SV is a 8 Inputs To 1 Output S-Video(Y/C) Router Switcher. This switcher video use Bandwidth 100MHz product. It's one of the most innovative S-Video(Y/C) Video Routing Switcher product on the market today. Support wall mount pair Rack mount type. It has 8 individual inputs with 1 individual output. Because it is a router switcher, so any inputs may be routed to any 1 output. It completely eliminates the need to constantly move around S-Video (Y/C) input and output cables. This switcher is ideally suited for TV for the resolution of 480p, 720p. Control is provided via front selections push buttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 8 Inputs To 1 Output S-Video Routing Switcher
02. Support switch signal S-Video via 8x Mini-din Female Connectors
03. Video Bandwidth : 100MHz (-3dB)
04. Infrared : IR Remote Control via Frequency (38KHz)
05. Suitable for full HD high resolution Video player device and HDTV, LCD TV, Plasma TV, HD Monitor displays
06. Controls by Front panel selection pushbuttons with LED readout and IR Remote Controller
07. Support Lower power consumed full load under 450 mA
08. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 1 output S-Video Router Switcher
Type of Signals	S-Video via 8x Mini-Din Female Connectors
Video Bandwidth	100MHz, (-3dB)
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38 KHz
Controls	Direct selection via front panel pushbuttons with LED readout or IR Remote Controller
Safety Approvals	CE, FCC, VCC I, Erp, WEEE
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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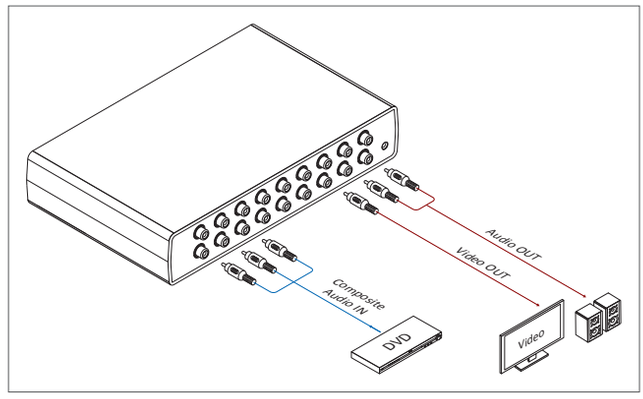
SB-5420

4x2 Auto Scan AV · Audio Switcher

AUTO | COMPOSITE | AUDIO | SWITCHER

Input : 4x Composite Video, Stereo Audio (AR/AL)
Output : 2x Composite Video, Stereo Audio (AR/AL)

DIAGRAM TYPICAL



FEATURES

01. Automatically Scan 4x inputs to 2x outputs AV Switcher
02. Support Signals Composite Video and Stereo Audio (AR/AL)
03. Suitable for HD high resolution Video player device and LCD/Plasma monitor displays. The HDTV Resolution 480i, 480p, 576p, 720p
04. Video Bandwidth : 100MHz, (-3dB) 2Vpp
05. Audio bandwidth : 30MHz. (-3dB)
06. Audio Frequency Respond : 20Hz ~ 20KHz
07. Low all hostile crosstalk of -56dB @ 5MHz
08. Competible NTSC or PAL TV Video System
09. Automatically Scan input AV signals switch to output.
10. Support output status via LED readout on front panel
11. Select Auto and Manu function via selection press button on front panel
12. Support Lower power consumed full load under 150 mA
13. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of Switcher	4 inputs to 2 outputs Auto scan switcher
Type of Signals	Composite Video and Stereo Audio (AR/AL) signals
Video Bandwidth	100MHz, (-3dB) 2Vpp
Audio Bandwidth	30MHz, (-3dB)(Audio-Right=30MHz, Audio-Lift=30MHz)
Audio Frequency Respond	20Hz~20KHz
All Hostile Crosstalk	-56dB @ 5MHz
Scan Rates accepted	50Hz or 60Hz
Controls	Manu or Auto via press buttons on front panel
Scan Signal	Support Automatically Scan AV signals function
Safety Approvals	CE, FCC
Dimension (WxDxH)	7.87" x 5.11" x 1.73" (200mm x 130mm x 44mm)
Weight	0.45 kg / 0.99 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

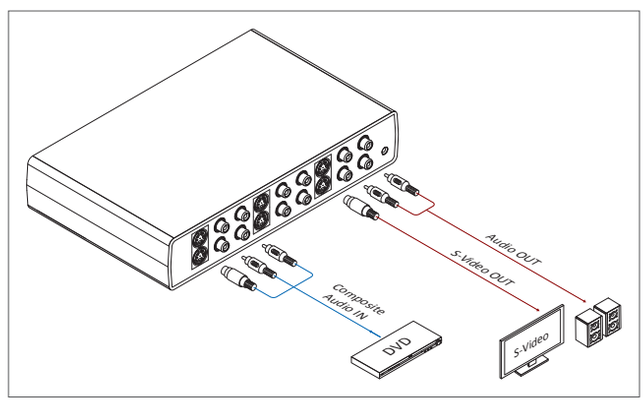
SB-5425

4x2 Auto Scan S-Video · Audio Switcher

AUTO | S-VIDEO | AUDIO | SWITCHER

Input : 4x S-Video, Stereo Audio (AR/AL)
Output : 2x S-Video, Stereo Audio (AR/AL)

DIAGRAM TYPICAL



FEATURES

01. Automatically Scan 4x inputs to 2x outputs S-Video / Stereo Audio Switcher
02. Support Signals of S-Video(Y/C) and Stereo Audio (AR/AL)
03. Suitable for HD high resolution Video player device and LCD/Plasma monitor displays. The HDTV Resolution 480i, 480p, 576p, 720p
04. Video Bandwidth :100MHz, (-3dB) 2Vpp
05. Audio bandwidth :30MHz. (-3dB)
06. Audio Frequency Respond : 20Hz ~ 20KHz
07. Low all hostile crosstalk of -56dB @ 5MHz
08. Competible NTSC or PAL TV Video System
09. Automatically Scan input S-Video/Audio signals switch to output.
10. Support output status via LED readout on front panel
11. Select Auto and Manu function via selection press button on front panel
12. Support Lower power consumed full load under 150 mA
13. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of Switcher	4 inputs to 2 outputs Auto scan switcher
Type of Signals	S-Video(Y/C) and Stereo Audio (AR/AL) signals
Video Bandwidth	100MHz, (-3dB) 2Vpp
Audio Bandwidth	30MHz, (-3dB) (Audio-Right=30MHz, Audio-Lift=30MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz
Scan Rates accepted	50Hz or 60Hz
Controls	Manu or Auto via press buttons on front panel
Scan Signal	Support Automatically Scan AV signals function
Safety Approvals	CE, FCC
Dimension (WxDxH)	7.87" x 5.11" x 1.73" (200mm x 130mm x 44mm)
Weight	0.45 kg / 0.99 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5430

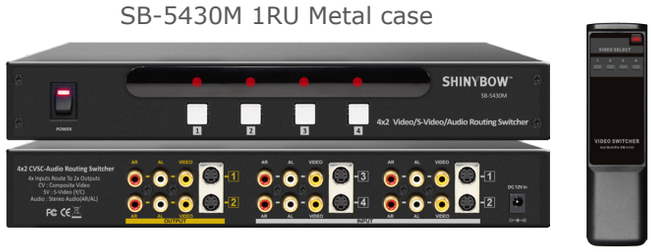
4x2 S-Video · Composite Video · Audio Routing Switcher

Input : 4x S-Video, Composite Video, Stereo Audio (AR/AL)
Output : 2x S-Video, Composite Video, Stereo Audio (AR/AL)

S-VIDEO COMPOSITE VIDEO SWITCHER AUDIO

SB-5430 4:2 Routing Switcher

SB-5430M 1RU Metal case

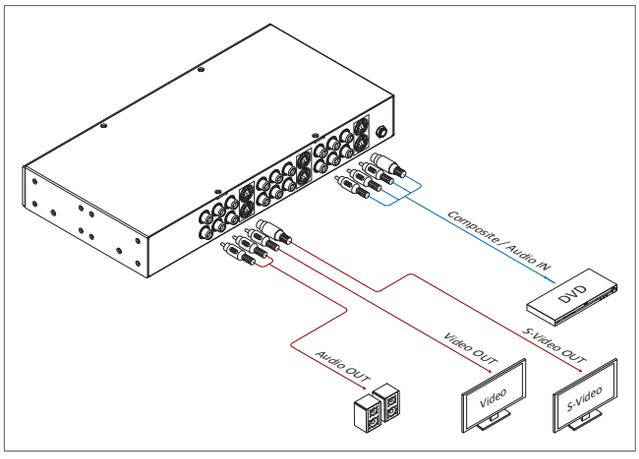


Ear Rack : 1U-300L

INTRODUCTION

SB-5430 is a 4 Inputs to 2 Outputs S-video, Composite Video & Stereo Audio Router Switcher. The Video Bandwidth 100MHz Router Switcher product. It's one of the most innovative signal S-Video(Y/C), Composite Video and Stereo Audio (AR/AL) Switching product on the market today. Support 19 inch Ear mount pair part number #1U-300L and MRM is 19 inch 1RU Rack mount type. It has 4 individual inputs with 2 individual outputs. Because it is a 4 to 2 signal Router Switcher, any input may be routed to output. It completely eliminates the need to constantly move around S-Video, Video and Stereo Audio input and output cables. This Router Switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front pushbuttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 2 outputs S-Video-Composite Video-Audio Switcher
02. Support HDTV Resolution for 480i, 480p, 576p, 720p
03. Video Bandwidth : 100MHz (-3dB), 200 mVp-p
04. Audio bandwidth : 30MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Scan Rates Accepted for 50Hz or 60Hz
07. Infrared : IR Remote Control via Frequency (38KHz)
08. Signals switch including: S-Video(Y/C), Composite & Stereo Audio(AR/AL)
09. Direct selection channel via Front pushbuttons with LED readout
10. Enclosure type : SB-5430M Support 19 inch Ear & 1RU Rack mountable
11. Support Lower power consumed full load under 250 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 2 outputs Component-Audio Router Switcher
Video Bandwidth	100MHz, (-3dB) 2V p-p
Audio Bandwidth	30MHz, (-3dB)(Audio-Right=30MHz, Audio-Lift=30MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38 KHz
Controls	Direct switch channel via front Panel selection buttons with LED readout or IR Remote Controller
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Dimension (WxDxH)	SB-5430 : 9.37" x 5.70" x 1.81" (238mm x 145mm x 46mm) SB-5430M : 11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	SB-5430 : 0.5 kg / 1.1 lb SB-5430M : 1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5450

4x2 S-Video · Composite Video · Audio Matrix Switcher

Input : 4x S-Video, Composite Video, Stereo Audio (AR/AL)
Output : 2x S-Video, Composite Video, Stereo Audio (AR/AL)

S-VIDEO | COMPOSITE | VIDEO | MATRIX | SWITCHER | AUDIO

SB-5450 4x2 Matrix Switcher

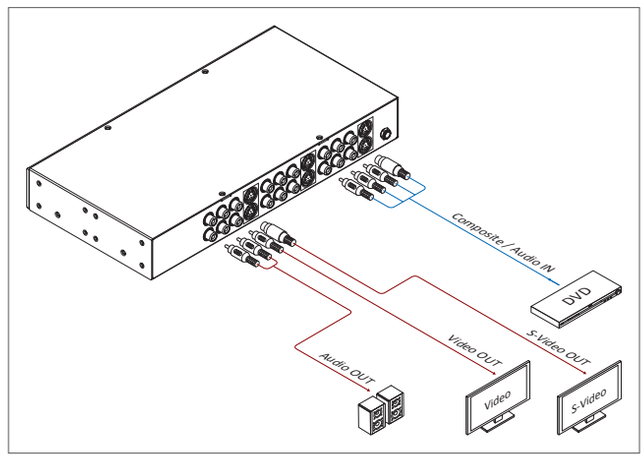
SB-5450M 1RU Metal case

Ear Rack : 1U-300L

INTRODUCTION

SB-5450 is a 4 Inputs to 2 Outputs for S-video, Composite Video & Stereo Audio Matrix Router Switcher. This is a Video Bandwidth 100MHz Matrix Router Switcher product. It's one of the most innovative S-Video(Y/C), Composite Video and Stereo Audio (AR/AL) Matrix Switching product on the market today. Support 19 inch Ear mount pair part number #1U-300L and MRM is 19 inch 1RU Rack mount type. It has 4 individual inputs with 2 individual outputs. Because it is a Matrix Router Switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around S-Video,Composite and Stereo Audio input and output cables. This Matrix Switcher is ideally suited for full HDTV for the resolution of 480p, 720p. Control is provided via front selections pushbuttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support 4 to 2 S-Video-Composite Video-Stereo Audio Matrix Switcher
02. Support HDTV Resolution for 480i, 480p, 576p, 720p
03. Video Bandwidth : 100MHz (-3dB), 200 mVp-p
04. Audio bandwidth : 30MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Scan Rates Accepted for 50Hz or 60Hz
07. Infrared : IR Remote Control via Frequency (38KHz)
08. Signals switch including: S-Video(Y/C), Composite & Stereo Audio(AR/AL)
09. Front panel control via selection channel pushbuttons with LED readout
10. Enclosure type : SB-5430M Support 19 inch Ear & 1RU Rack mountable
11. Support Lower power consumed full load under 250 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 2 outputs Matrix Router Switcher
Video Bandwidth	100MHz, (-3dB) 2V p-p, S-Video(Y/C) and Composite Vidoe
Audio Bandwidth	30MHz, (-3dB) (Audio-Right=30MHz, Audio-Lift=30MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38 KHz
Controls	Direct selection via front panel pushbuttons with LED readout or IR Remote Controller
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Dimension (WxDxH)	SB-5450 : 9.37" x 5.70" x 1.81" (238mm x 145mm x 46mm) SB-5450M : 11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	SB-5450 : 0.5 kg / 1.1 lb SB-5450M : 1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5544

4x4 AV Matrix Switcher

Input : 4x Composite Video, Stereo Audio (AR/AL)
Output : 4x Composite Video, Stereo Audio (AR/AL)

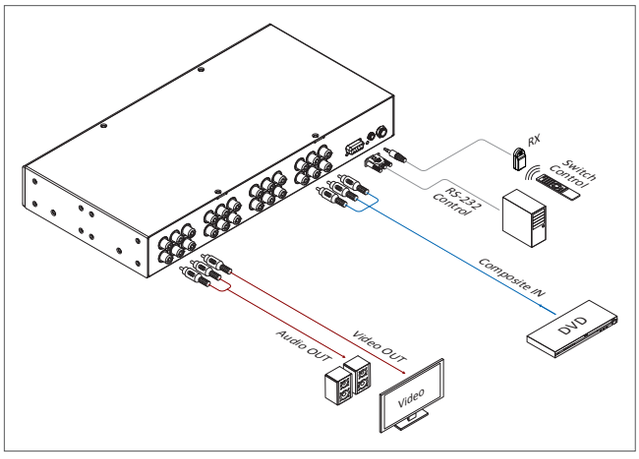
MATRIX PRO AUDIO VIDEO

Ear Rack : 1U-300L

INTRODUCTION

SB-5544 support (4) Inputs to (4) Outputs signals Composite Video & Stereo Audio Matrix Router Switch. The Video Bandwidth is 450MHz and support LCM display show out the status. Its one of the most innovative Composite Video and Stereo Audio (AR/AL) Matrix Switching product on the market today. Support 19 inch Ear mount pair part number #1U-300L and MRM is full 19 inch 1RU Rack mount part type. It has (4) individual inputs with (4) individual outputs. Because it is a Matrix Switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This switcher is ideally suited for full High Definition LCD HDTV Television for NTSC 50/60Hz and PAL 50/60Hz TV system or HD Plasma display monitor resolution applications. Support world wide control functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK, Control is provided via front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Supports 4x inputs to 4x outputs A/V (Composite Video-Audio) Matrix Switcher
02. Input/Output signals via Composite Video & Stereo Audio(AR/AL)
03. Higher Video Bandwidth 450MB each path signals
04. Supported selection buttons direct channel on front panel
05. Audio support Stereo Audio (AR/AL)
06. Various User Interface controls :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
07. Wall mounted Ear Rack included
08. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of AV Switcher	4 in To 4 out, A/V (Composite Video-Audio) Matrix Switcher
Video support	Composite Video 0.5~1.0Vpp, 75 Ohms, RCA connector, 4x Video (Composite Video) use BNC connectors
Audio support	Stereo Audio (AR/AL), Via 2x RCA connector (Red/white) 4x Audio (Stereo Audio) use RCA connectors
Video Bandwidth	450MHz (-3db), 200mVp-p, Higher resolution formats
Audio Bandwidth	60MHz, (-3db), Audio-R60MHz, Audio-L 60MHz
Audio Frequency	Respond 20Hz ~20KHz
Low all hostile crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Gain control	60MHz 0.1dB gain flatness
Scan Rates Accepted	50Hz or 60Hz
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x RS-232 series interface (switch control)
Infrared Frequency	38 KHz
IR External Distance	~984 feet / 300 meters maximum
AV I/O Connector	Video : RCA, Audio : RCA connector
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5544LCM

4x4 AV Matrix Switcher

Input : 4x Composite Video, Stereo Audio (AR/AL)
Output : 4x Composite Video, Stereo Audio (AR/AL)

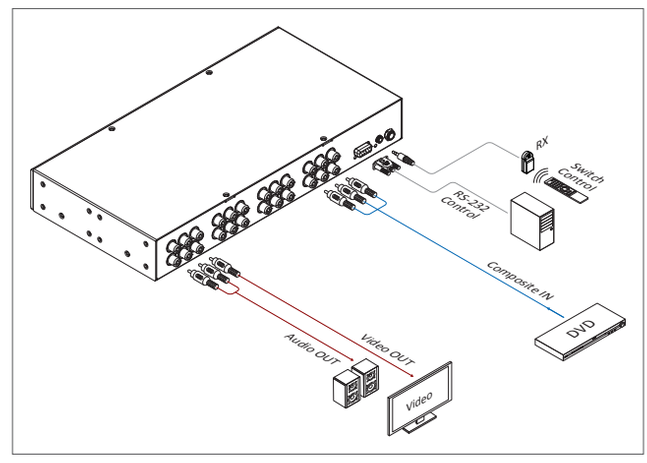
MATRIX PRO AUDIO VIDEO

Ear Rack : 1U-300L

INTRODUCTION

SB-5544-LCM support (4) inputs to (4) outputs signals Composite Video & Stereo Audio Matrix Router Switch. The Video Bandwidth is 450MHz and support LCM display show out the status. It's one of the most innovative Composite Video and Stereo Audio (AR/AL) Matrix Switching product on the market today. Support 19 inch Ear mount pair part number #1U-300L. It has (4) individual inputs with (4) individual outputs. Because it is a Matrix Switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This switcher is ideally suited for full High Definition LCD HDTV Television for NTSC 50/60Hz and PAL 50/60Hz TV system or HD Plasma display monitor resolution applications. Support world wide control functions ALL / OFF / RECALL / ENTER / MEMORY / LOCK Control is provided via front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Supports 4x inputs to 4x outputs A/V (Composite Video-Audio) Matrix Switcher
02. Input/Output signals via Composite Video & Stereo Audio(AR/AL)
03. Support Video Bandwidth 450MHz (13dB),200mVp-p for each path signals
04. Audio Bandwidth 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Supported selection buttons direct channel on front panel
07. Composite Video supports both NTSC and PAL TV system
08. Audio support Stereo Audio (AR/AL)
09. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
10. Support world wide (6)x control function keys: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
11. Wall mounted Ear Rack included
12. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of AV Switcher	4 in to 4 out, A/V (Composite Video-Audio) Matrix Switcher
Video support	Composite Video 0.5~1.0Vpp, 75 Ohms, RCA connector
Audio support	Stereo Audio (AR/AL) Via 2x RCA connector (Red/white)
Video Bandwidth	450MHz (-3dB), 200mVp-p, Higher resolution formats
Audio Bandwidth	60MHz, (-3dB), Audio-R60MHz, Audio-L 60MHz
Audio Frequency	Respond 20Hz ~20KHz
Low all hostile crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Gain control	60MHz 0.1dB gain flatness
Scan Rates Accepted	50Hz or 60Hz
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS-232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(14) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (4)
Infrared Frequency	38 KHz
IR External Distance	~984 feet / 300 meters maximum
AV I/O Connector	Video : RCA, Audio : RCA connector
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5544BNC

4x4 AV (BNC) Matrix Switcher

Input : 4x Composite Video (BNC), Stereo Audio (AR/AL)
Output : 4x Composite Video (BNC), Stereo Audio (AR/AL)

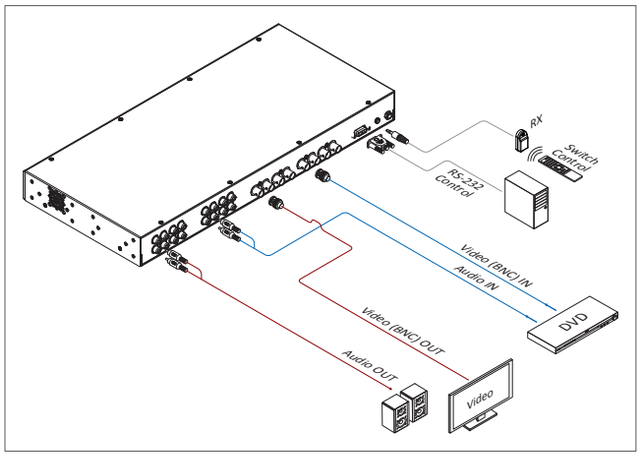
MATRIX VIDEO AUDIO PRO VOLUME BALANCE

Ear Rack : 1U-440L

INTRODUCTION

SB-5544BNC supported (4) inputs to (4) outputs signals Composite Video & Stereo Audio Matrix Router Switch. Composite Video use BNC and RCA for Audio connector. The Video Bandwidth is 450MHz and support LCM display show out the status. It's one of the most innovative Composite Video and Stereo Audio (AR/AL) Matrix Switching product on the market today. Stereo Audio output support Volume(+0~+100 levels) and Balance (L=0~50 , R=51~100) control function. Support 19 inch Ear mount pair part number #1U-440L. It has (4) individual inputs with (4) individual outputs. Because it is a Matrix Switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This switcher is ideally suited for full High Definition LCD HDTV Television for NTSC 50/60Hz and PAL 50/60Hz TV system or HD Plasma display monitor resolution applications. Support world wide control functions ALL / OFF / RECALL / ENTER / MEMORY / LOCK, Control is provided via front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Supports 4x inputs to 4x outputs A/V (Composite Video-Audio) Matrix Switcher
02. Input/Output signals via Composite Video & Stereo Audio(AR/AL)
03. Support Higher Video Bandwidth 450MHz (13dB),200mVp-p, for each path signals
04. Audio Bandwidth 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Stereo Audio output support Volume(+0~+100 levels) and Balance (L50~R50) control function.
07. Supported selection buttons direct channel on front panel
08. Composite Video (BNC) supports both NTSC and PAL TV system
09. Audio support Stereo Audio (AR/AL)
10. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
11. Support world wide (6)x control function keys : ALL / OFF / LOCK / RECALL / MEMORY / ENTER
12. Wall mounted Ear Rack included
13. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of AV Switcher	4 in To 4 out, A/V (Composite Video-Audio) Matrix Switcher
Video support	Composite Video 0.5~1.0Vpp, 75 Ohms, 4x Video (Composite Video) use BNC connectors
Audio support	Stereo Audio (AR/AL), Via 2x RCA connector (Red/ white) 4x Audio (Stereo Audio) use RCA connectors
Video Bandwidth	450MHz (-3db), 200mVp-p, Higher resolution formats
Audio Bandwidth	60MHz (-3db), Audio-R60MHz, Audio-L 60MHz
Audio Frequency	Respond 20Hz ~20KHz
Audio Volume control	+0 ~ +100 levels (+6db)
Audio Balance control	L=+0 ~ +50, R=+51 ~ +100
Low all hostile crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Gain control	60MHz 0.1dB gain flatness
Scan Rates Accepted	50Hz or 60Hz
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS-232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(14) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (4), 8.Source button (1) thru (4)
Infrared Frequency	38 KHz
IR External Distance	~984 feet / 300 meters maximum
AV I/O Connector	Video : BNC connector, Audio : RCA connector
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @1.25A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5562

8x2 S-Video · Video (BNC) · Audio Matrix Switcher

Input : 8x S-Video, Composite Video (BNC), Stereo Audio (AR/AL)
Output : 2x S-Video, Composite Video (BNC), Stereo Audio (AR/AL)

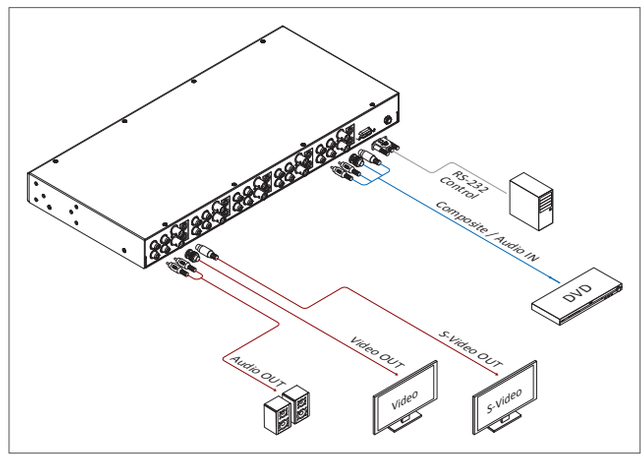
MATRIX SWITCHER PRO
S-VIDEO VIDEO AUDIO

Ear Rack : 1U-440L

INTRODUCTION

SB-5562 is a 8 Inputs to 2 Outputs S-video, Composite Video (BNC) & Stereo Audio Matrix Router Switcher. This is a Video Bandwidth 250MHz Matrix Router Switcher product. It's one of the most innovative S-Video(Y/C), Composite Video and Stereo Audio (AR/AL) matrix switching product on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 8 individual inputs with 2 individual outputs. Because it is a matrix router switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around S-Video, Composite Video and Stereo Audio input and output cables. This switcher is ideally suited for full High Definition LCD HDTV TV for resolution 480p, 720p 1080i and 1080p or HD Plasma display monitor applications. Control is provided via Front selections pushbuttons with LED readout or IR remote controller. RS-232 interface is provide with third control. A windows-based control software package is including to provide complete control of the SB-5562 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 8x2 S-Video-Composite Video(BNC)-Stereo Audio Matrix Switcher
02. Support HDTV Resolution for 480i, 480p, 576p, 720p
03. Video Bandwidth : 250MHz (-3dB), 200 mVp-p
04. Audio Bandwidth : 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Infrared : IR Remote Control via Frequency (38KHz)
07. Support RS-232 series interface control from a PC
08. RS-232 interface via PC control Driver compatible with 95/98/2000/XP
09. Front panel control via selection channel pushbuttons with LED readout
10. Wall mounted Ear Rack included
11. Support Lower power consumed full load under 750 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 2 outputs Matrix Router Switcher
Type of Signals	S-Video (Y/C) via mini-din 4pin Female connectors Composite Video via BNC Female Connector Stereo Audio (AR/AL) via 2x RCA Female Connectors
Video&Audio Bandwidth	300MHz, (-3dB) 2V p-p
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38KHz
Controls	Direct selection via front panel pushbuttons with LED readout or IR Remote Controller and RS-232 series interface
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1.2A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5560

8x4 S-Video · Composite Video · Audio Matrix Switcher

Input : 8x S-Video, Composite Video, Stereo Audio (AR/AL)
Output : 4x S-Video, Composite Video, Stereo Audio (AR/AL)

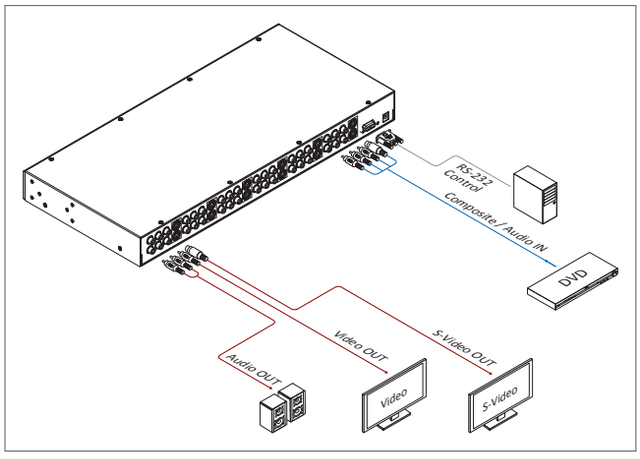
MATRIX SWITCHER PRO
S-VIDEO VIDEO AUDIO

Ear Rack : 1U-440L

INTRODUCTION

SB-5560 is a 8 Inputs To 4 Outputs S-video, Composite Video & Stereo Audio Matrix Router Switcher. This is a Video Bandwidth 250MHz Matrix Router Switcher product. It's one of the most innovative S-Video(Y/C), Composite Video and Stereo Audio (AR/AL) Matrix Switching product on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has 8 individual inputs with 4 individual outputs. Because it is a matrix router switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around S-Video, Composite Video and Stereo Audio input and output cables. This switcher is ideally suited for TV Television for resolution 480p, 720p 1080i and 1080p or HD Plasma display monitor applications. Control is provided via front selections pushbuttons with LED readout or IR remote controller. RS-232 interface is provide with third control. A windows-based control software package is including to provide complete control of the SB-5560 from a PC.

DIAGRAM TYPICAL



FEATURES

01. Support 8 to 4 S-Video-Composite Video-Stereo Audio Matrix Switcher
02. Support HDTV Resolution for 480i, 480p, 576p, 720p
03. Video Bandwidth : 250MHz (-3dB), 200 mVp-p
04. Audio bandwidth : 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Infrared : IR Remote Control via Frequency (38KHz)
07. Support RS-232 series interface control from a PC
08. RS-232 interface via PC control Driver compatible with 95/98/2000/XP
09. Front panel control via selection channel pushbuttons with LED readout
10. Wall mounted Ear Rack included
11. Support Lower power consumed full load under 750 mA
12. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8 inputs to 4 outputs Matrix Router Switcher
Type of Signals	S-Video (Y/C) via 1x mini-din 4pin Female connector Composite Video via 1x RCA Female Connector Stereo Audio (AR/AL) via 2x RCA Female Connectors
Video Bandwidth	250MHz, (-3dB) 2V p-p, S-Video(Y/C) and Composite Video
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38 KHz
Controls	Direct selection via front panel pushbuttons with LED readout or IR Remote Controller and RS-232 series interface
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5548LCM

8x8 Composite Video · Audio Matrix Switcher

Input : 8x Composite Video, Stereo Audio (AR/AL)
Output : 8x Composite Video, Stereo Audio (AR/AL)

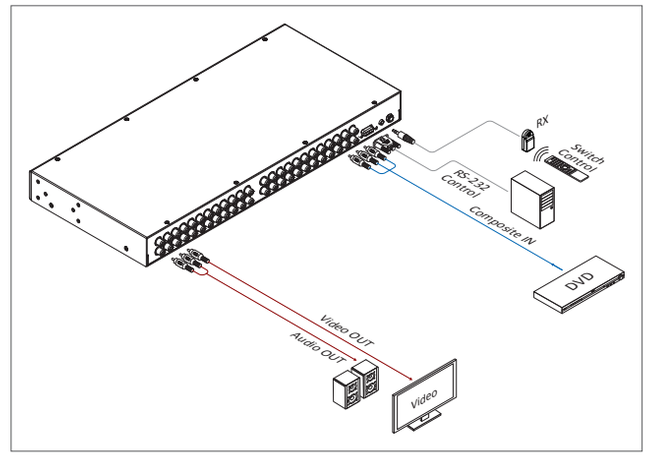
PRO MATRIX VIDEO AUDIO

Ear Rack : 1U-440L

INTRODUCTION

SB-5548-LCM support (8) Inputs to (8) Outputs signals Composite Video & Stereo Audio Matrix Router Switch. The Video Bandwidth is 450MHz and support LCM display show out the status. It's one of the most innovative Composite Video and Stereo Audio (AR/AL) Matrix Switching product on the market today. Support 19 inch Ear mount pair part number #1U-440L. It has (8) individual inputs with (8) individual outputs. Because it is a matrix switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This switcher is ideally suited for full High Definition LCD HDTV Television for NTSC 50/60Hz and PAL 50/60Hz TV system or HD Plasma display monitor resolution applications. Support world wide control functions: ALL/ OFF/RECALL/ENTER/MEMORY/LOCK, Control is provided via front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Supports 8x inputs to 8x outputs A/V (Composite Video-Audio) Matrix Switcher
02. Input/Output signals via Composite Video & Stereo Audio(AR/AL)
03. Higher Video Bandwidth 300MHz (13dB),200mVp-p, each path signal
04. Audio Bandwidth 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Supported selection buttons direct channel on front panel
07. Audio support Stereo Audio (AR/AL)
08. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
09. Support world wide (6)x control function keys: ALL / OFF / LOCK / RECALL / MEMORY / ENTER
10. Wall mounted Ear Rack included
11. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of AV Switcher	8x8 A/V (Composite Video-Audio) Matrix Switcher
Video support	Composite Video 0.5~1.0Vpp, 75 Ohms, RCA connector
Audio support	Stereo Audio (AR/AL), Via 2x RCA connector (Red/white)
Video Bandwidth	300MHz (-3db), 200mVp-p, Higher resolution formats
Audio Bandwidth	60MHz, (-3db), Audio-R60MHz, Audio-L 60MHz
Audio Frequency	Respond 20Hz ~20KHz
Low all hostile crosstalk	-83dB@5MHz
Gain control	60MHz 0.1dB gain flatness
Scan Rates Accepted	50Hz or 60Hz
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS-232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(22) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (8), 8.Source button (1) thru (8)
Infrared Frequency	38 KHz
IR External Distance	~984 feet / 300 meters maximum
AV I/O Connector	Video : RCA, Audio : RCA connector
Safety Approvals	CE, FCC, VCCI, Erp ,WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @1.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5548BNC

8x8 Composite Video · Audio Matrix Switcher

Input : 8x Composite Video (BNC), Stereo Audio (AR/AL)
Output : 8x Composite Video (BNC), Stereo Audio (AR/AL)

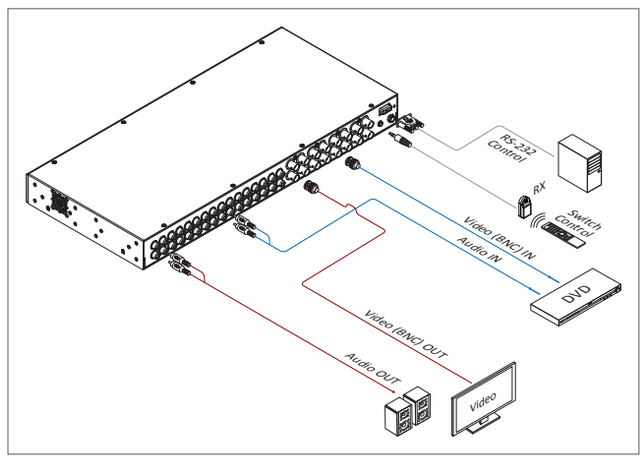
MATRIX VIDEO AUDIO
PRO VOLUME BALANCE

Ear Rack : 1U-440L

INTRODUCTION

SB-5548BNC supported (8) inputs to (8) outputs signals Composite Video & Stereo Audio Matrix Router Switch. Composite Video use BNC connector and RCA for Audio. The Video Bandwidth is 450MHz and support LCM display show out the status. It's one of the most innovative Composite Video and Stereo Audio (AR/AL) Matrix Switching product on the market today. Stereo Audio output support Volume(+0~+100 levels) and Balance (L=0~50 , R=51~100) control function. Support 19 inch Ear mount pair part number #1U-440L.
It has (8) individual inputs with (8) individual outputs. Because it is a Matrix Switcher, so any input may be routed to any output. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This switcher is ideally suited for full High Definition LCD HDTV Television for NTSC 50/60Hz and PAL 50/60Hz TV system or HD Plasma display monitor resolution applications. Support world wide control functions: ALL/OFF/RECALL/ENTER/MEMORY/LOCK, Control is provided via front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. Supports 8x inputs to 8x outputs A/V (Composite Video-Audio) Matrix Switcher
02. Input/Output signals via Composite Video & Stereo Audio(AR/AL)
03. Higher Video Bandwidth 300MHz (13dB),200mVp-p, each path signals
04. Audio Bandwidth 60MHz
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Stereo Audio output support Volume(+0~+100 levels) and Balance (L50~R50) control function.
07. Supported selection buttons direct channel on front panel
08. Audio support Stereo Audio (AR/AL)
09. Various User Interface controls:
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote controller
    - Third party RS-232 controller (via simple ASCII)
10. Support world wide (7) control function keys : ALL / OFF / LOCK / RECALL / MEMORY / ENTER
11. Wall mounted Ear Rack included
12. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of AV Switcher	8x8 A/V (Composite Video-Audio) Matrix Switcher
Video support	Composite Video 0.5~1.0Vpp, 75 Ohms, BNC connector 8x Video (Composite Video) use BNC connectors
Audio support	Stereo Audio (AR/AL), Via 2x RCA connector(Red/ white) 8x Audio (Stereo Audio) use RCA connectors
Video Bandwidth	300MHz (-3db), 200mVp-p, Higher resolution formats
Audio Bandwidth	60MHz, (-3db), Audio-R60MHz, Audio-L 60MHz
Audio Frequency	Respond 20Hz ~20KHz
Audio Volume control	+0 ~ +100 levels (+6db)
Audio Balance control	L=+0 ~ +50, R=+51 ~ +100
Low all hostile crosstalk	-83dB @ 5MHz
Gain control	60MHz 0.1dB gain flatness
Scan Rates Accepted	50Hz or 60Hz
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS-232 series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(22) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.Destination button (1) thru (8), 8.Source button (1) thru (8)
Infrared Frequency	38 KHz
IR External Distance	~984 feet / 300 meters maximum
AV I/O Connector	Video : BNC connector, Audio : RCA connector
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @1.75A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3701 · SB-3701BNC

1x4 Composite Video Distribution Amplifier

Input : 1x Composite Video (RCA or BNC)
Output : 4x Composite Video (RCA or BNC)

VIDEO AMPLIFIER

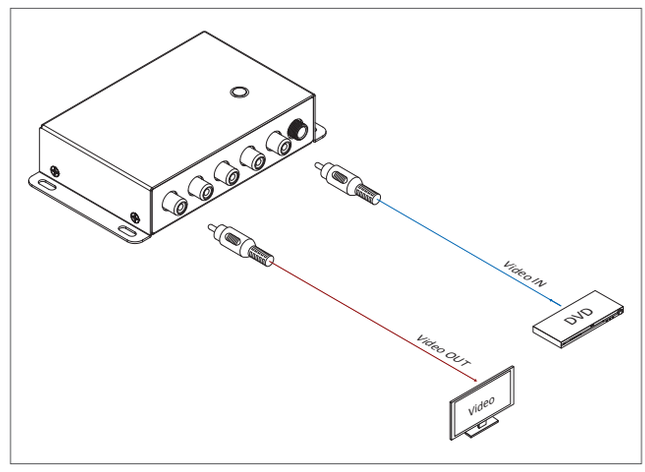
SB-3701
1x4 VIDEO (RCA) Distribution Amplifier

SB-3701BNC
1x4 VIDEO (BNC) Distribution Amplifier

INTRODUCTION

SB-3701 is a 1 Input to 4 Outputs Composite Video(RCA/BNC) Distribution Amplifier. The Video Bandwidth 80MHz Amplifier product. It's one of the most innovative signal Composite Video via RCA connector (SB-3701) and BNC connector (SB-3701BNC) Distribution Amplifier product on the market today. Support wall mount Rack mount type. It has 1 individual input with 4 individual Outputs. Because it is a 1 to 4 signal Amplifier, any input may be routed to outputs. It completely eliminates the need to constantly move around Composite Video input and output RCA or BNC cables. This Amplifier is ideally suited for TV for the resolution of 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x4 Composite Video (RCA/BNC) Distribution Amplifier
02. Signals amplifier including: Composite Video
03. SB-3701 via RCA Connector, SB-3701BNC via BNC Connector
04. Support HDTV Resolution for 480i, 480p, 576p, 720p
05. Video Bandwidth : 80MHz (-3dB), 200 mVp-p
06. Scan Rates Accepted for 50Hz or 60Hz
07. Enclosure type : Wall Rack mountable
08. Support Lower power consumed full load under 150 mA
09. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 4 outputs Composite Video Distribution Amplifier
Type of Signals	Composite Video SB-3701 Via RCA connector SB-3701BNC Via BNC connector
Video Bandwidth	80MHz, (-3dB) 2V p-p
Video Boost	about 100M distance
Scan Rates Accepted	50Hz or 60Hz
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Dimension (WxDxH)	5.03" x 2.83" x 1.06" (128mm x 72mm x 27mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3702 · SB-3702BNC

1x9 Composite Video Distribution Amplifier

Input : 1x Composite Video (RCA or BNC)
Output : 9x Composite Video (RCA or BNC)

VIDEO AMPLIFIER

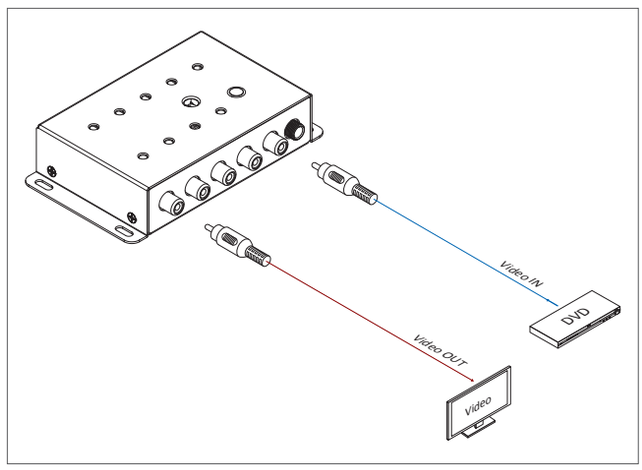
SB-3702
1x9 VIDEO (RCA) Distribution Amplifier

SB-3702BNC
1x9 VIDEO (BNC) Distribution Amplifier

INTRODUCTION

SB-3702 is a 1 input to 9 outputs Composite Video(RCA/BNC) Distribution Amplifier. The Video Bandwidth 80MHz Amplifier product. It's one of the most innovative signal Composite Video via RCA connector(SB-3702) and BNC connector(SB-3702BNC) Distribution Amplifier product on the market today. Support wall mount Rack mount type. It has 1 individual input with 9 individual Outputs. Because it is a 1 To 9 signal Amplifier, any input may be routed to outputs. It completely eliminates theneed to constantly move around Composite Video input and output RCA or BNC cables. This Amplifier is ideally suited for TV for the resolution of 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x9 Composite Video (RCA/BNC) Distribution Amplifier
02. Signals amplifier including: Composite Video
03. SB-3702 via RCA Connector, SB-3702BNC via BNC Connector
04. Support HDTV Resolution for 480i, 480p, 576p, 720p
05. Video Bandwidth : 80MHz (-3dB), 200 mVp-p
06. Scan Rates Accepted for 50Hz or 60Hz
07. Signals amplifier including: Composite Video
08. Enclosure type : Wall Rack mountable
09. Support Lower power consumed full load under 220 mA
10. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 9 outputs Composite Video Distribution Amplifier
Type of Signals	Composite Video SB-3702 Via RCA connector SB-3702BNC Via BNC connector
Video Bandwidth	80MHz, (-3dB) 2V p-p
Video Boost	about 100M distance
Scan Rates Accepted	50Hz or 60Hz
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Dimension (WxDxH)	5.03" x 2.83" x 1.06" (128mm x 72mm x 27mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3706 · SB-3706BNC

1x8 Composite Video Distribution Amplifier

Input : 1x Composite Video (RCA or BNC)
Output : 8x Composite Video (RCA or BNC)

VIDEO DISTRIBUTOR

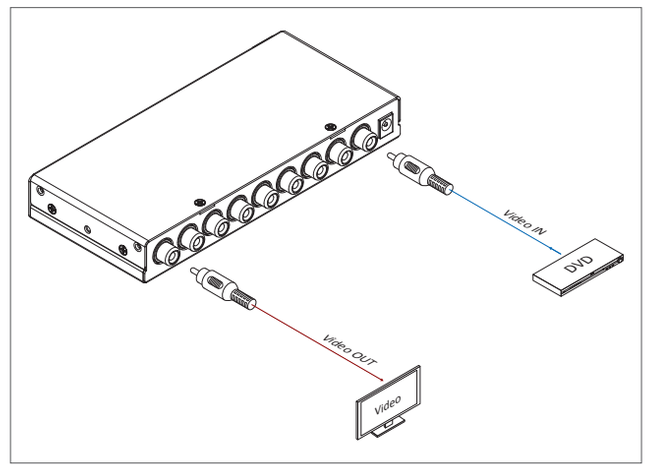
SB-3706
1x8 VIDEO (RCA) Distribution Amplifier

SB-3706BNC
1x8 VIDEO (BNC) Distribution Amplifier

INTRODUCTION

SB-3706 is a 1 input to 8 outputs Composite Video(RCA/BNC) Distribution Amplifier. The Video Bandwidth 80MHz Amplifier product. It's one of the most innovative signal Composite Video via RCA connector(SB-3706) and BNC connector(SB-3706BNC) Distribution Amplifier product on the market today. Support wall mount Rack mount type. It has 1 individual input with 8 individual outputs. Because it is a 1 to 8 signal Amplifier, any input may be routed to outputs. It completely eliminates the need to constantly move around Composite Video input and output RCA or BNC cables. This Amplifier is ideally suited for full HDTV Television for the resolution of 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x8 Composite Video (RCA/BNC) Distribution Amplifier
02. Signals amplifier including: Composite Video
03. SB-3706 via RCA Connector, SB-3706BNC via BNC Connector
04. Support HDTV Resolution for 480i, 480p, 576p, 720p
05. Video Bandwidth : 80MHz (-3dB), 200 mVp-p
06. Scan Rates Accepted for 50Hz or 60Hz
07. Low all hostile crosstalk of -83dB@5MHz
08. Support Lower power consumed full load under 210 mA
09. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 8 outputs Composite Video Distribution Amplifier
Type of Signals	Composite Video SB-3706 Via RCA connector SB-3706BNC Via BNC connector
Video Bandwidth	80MHz, (-3dB) 2V p-p
Slew Rate	1000V/us, Fixed internal gain of 2
Scan Rates Accepted	50Hz or 60Hz
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3708

1x8 Composite Video · Audio Distribution Amplifier

Input : 1x Composite Video, Stereo Audio (AR/AL)
Output : 8x Composite Video, Stereo Audio (AR/AL)

DISTRIBUTOR
VIDEO AUDIO

SB-3708 1x8 Distribution Amplifier

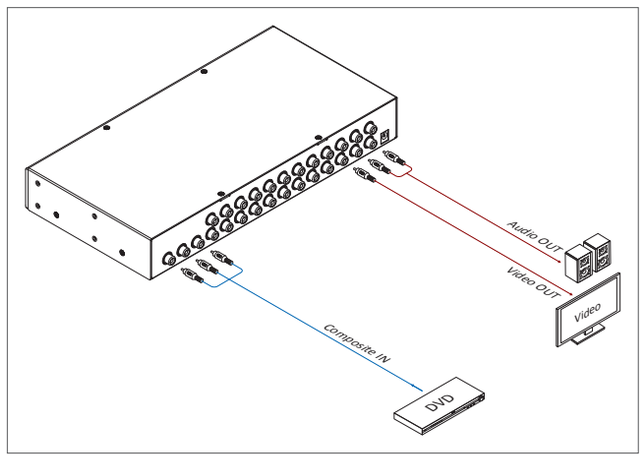
SB-3708M 1RU 19inch Rack Metal case

Ear Rack : 1U-300L

INTRODUCTION

SB-3708 is a 1 input to 8 outputs Composite Video & Stereo Audio Distribution Amplifier. The Video Bandwidth 440MHz Distribution Amplifier product. It's one of the most innovative Composite Video and Stereo Audio (AR/AL) Distribution Amplifier product on the market today. Support 19 inch Ear mount pair part number #1U-300L. It has 1 individual inputs with 8 individual outputs. Because it is a distributor, so one(1) input may be distribution to any eight(8) outputs in the same time. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for distributing AV signals from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box Devices to High Definition LCD TV for HDTV resolution 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x8 Composite Video-Stereo Audio Distribution Amplifier
02. Distributing Composite Video and Stereo Audio (AR/AL) Signals
03. Support HDTV Resolutions for 480i, 480p, 576p, 720p
04. Video Bandwidth : 440MHz (-3dB), 200 mVp-p
05. Audio Bandwidth : 60MHz
06. Audio Frequency Respond : 20Hz ~ 20KHz
07. Application Source devices from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box
08. Power switch control via selection pushbuttons with LED readout
09. Enclosure type : Support 19 inch Ear & 1RU Rack mountable
10. Support Lower power consumed full load under 450 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of distributor	1 input to 8 outputs Distribution Amplifier
Type of Signals	Composite Video via 1x RCA Female Connector Stereo Audio (AR/AL) via 2x RCA Female Connectors
Video Bandwidth	440MHz, (-3dB) 2V p-p,
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
Slew Rate	1000V/us, Fixed internal gain of 2
Controls	Power switch selection via pushbuttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Dimension (WxDxH)	SB-3708 : 9.44" x 5.70" x 1.77" (240mm x 145mm x 45mm) SB-3708M : 11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	SB-3708 : 0.5 kg / 1.1 lb SB-3708M : 1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3772

1x2 Composite Video · Audio Distribution Amplifier

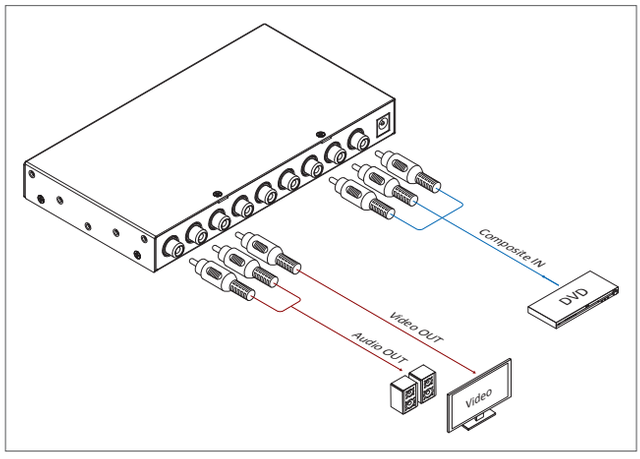
Input : 1x Composite Video, Stereo Audio (AR/AL)
Output : 2x Composite Video, Stereo Audio (AR/AL)

VIDEO AMPLIFIER

INTRODUCTION

SB-3772 is a 1 input to 2 outputs AV Distribution Amplifier. The Video Bandwidth 80MHz Distribution Amplifier product. It's one of the most innovative Composite Video and Stereo Audio (AR/AL) via RCA connector Distribution Amplifier product on the market today. It has 1 individual input with 2 individual outputs. Because it is a 1 to 2 signal Distribution Amplifier, one (1) input may be routed to two (2) outputs. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for TV for the resolution of 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x2 Composite Video / Stereo Audio Distribution Amplifier
02. Signals amplifier including: Composite Video and Stereo Audio (AR/AL)
03. Video Bandwidth : 80MHz, Composite Video
04. Audio Bandwidth : 30MHz, Stereo Audio (AR/AL)
05. Support HDTV Resolution for 480i, 480p, 576p, 720p
06. Scan Rates Accepted for 50Hz or 60Hz
07. Signals amplifier including : Composite Video and Stereo Audio
08. Support Lower power consumed full load under 120 mA
09. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 2 outputs AV Distribution Amplifier
Type of Signals	Composite Video, Stereo Audio(AR/AL)
Video Bandwidth	80MHz, (-3dB) 2V p-p
Audio Bandwidth	30MHz
Audio Frequency Respond	20Hz ~ 20KHz
Video Boost	about 100M distance
Scan Rates Accepted	50Hz or 60Hz
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.15A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3714

1x4 Composite Video · Audio Distribution Amplifier

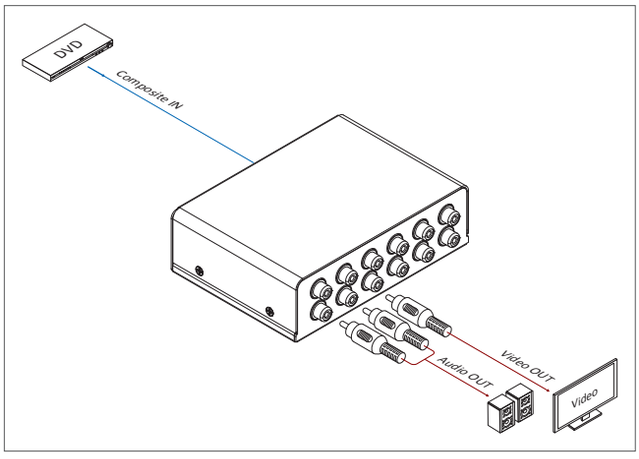
Input : 1x Composite Video, Stereo Audio (AR/AL)
Output : 4x Composite Video, Stereo Audio (AR/AL)

VIDEO AMPLIFIER

INTRODUCTION

SB-3714 is a 1 input to 4 outputs AV Distribution Amplifier. The Video Bandwidth 80MHz Distribution Amplifier product. It's one of the most innovative Composite Video and Stereo Audio(AR/AL) via RCA connector Distribution Amplifier product on the market today. It has 1 individual input with 4 individual outputs. Because it is a 1 to 4 signal Distribution Amplifier, one (1) input may be routed to four (4) outputs. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for TV for the resolution of 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x4 Composite Video/Stereo Audio Distribution Amplifier
02. Signals amplifier including: Composite Video and Stereo Audio (AR/AL)
03. Video Bandwidth : 80MHz, Composite Video
04. Audio Bandwidth : 30MHz, Stereo Audio (AR/AL)
05. Support HDTV Resolution for 480i, 480p, 576p, 720p
06. Scan Rates Accepted for 50Hz or 60Hz
07. Signals amplifier including: Composite Video and Stereo Audio
08. Support Lower power consumed full load under 150 mA
09. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 4 outputs AV Distribution Amplifier
Type of Signals	Composite Video, Stereo Audio (AR/AL)
Video Bandwidth	80MHz, (-3dB) 2V p-p
Audio Bandwidth	30MHz
Audio Frequency Respond	20Hz ~ 20KHz
Video Boost	about 100M distance
Scan Rates Accepted	50Hz or 60Hz
Safety Approvals	CE, FCC, VCCI, REACH, WEEE
Dimension (WxDxH)	5.11" x 3.70" x 1.57" (130mm x 94mm x 40mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3712

1x16 Composite Video · Audio Distribution Amplifier

Input : 1x Composite Video, Stereo Audio (AR/AL)
Output : 16x Composite Video, Stereo Audio (AR/AL)

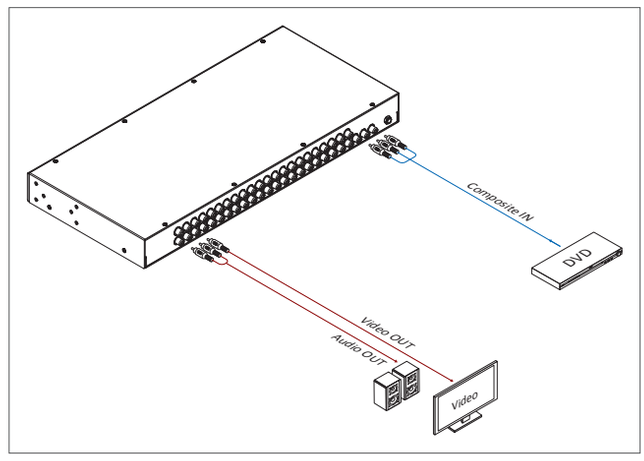
COMPOSITE DISTRIBUTOR VIDEO AUDIO PRO

Ear Rack : 1U-440L

INTRODUCTION

SB-3712 is a 1 input to 16 outputs Composite Video & Stereo Audio Distribution Amplifier. The Video Bandwidth 440MHz Distribution Amplifier product. It's one of the most innovative Composite Video and Stereo Audio (AR/AL) Distribution Amplifier product on the market today. Support 19 inch Ear mount pair part number #1U-440L and MRM is 19 inch 1RU Rack mount type. It has 1 individual input with 16 individual outputs. Because it is a distributor, so (1) input may be distribution to any (16) outputs in the same time. It completely eliminates the need to constantly move around Composite Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for distributing AV signals from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box Devices to LCD TV for TV resolution 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x16 Composite Video-Stereo Audio Distribution Amplifier
02. Distributing Composite Video and Stereo Audio(AR/AL) Signals
03. Support HDTV Resolutions for 480i, 480p, 576p, 720p
04. Video Bandwidth : 440MHz (-3dB), 200 mVp-p
05. Audio Bandwidth : 60MHz
06. Audio Frequency Respond : 20Hz ~ 20KHz
07. Application Source devices from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box
08. Power switch control via selection pushbuttons with LED readout
09. Wall mounted Ear Rack included
10. Support Lower power consumed full load under 750 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of distributor	1 input to 16 outputs Distribution Amplifier
Type of Signals	Composite Video via 1x RCA Female Connector Stereo Audio (AR/AL) via 2x RCA Female Connectors
Video Bandwidth	440MHz, (-3dB) 2V p-p,
Audio Bandwidth	60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
Slew Rate	1000V/us, Fixed internal gain of 2
Controls	Power switch selection via pushbuttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @0.36A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3706SV

1x8 S-Video Distribution Amplifier

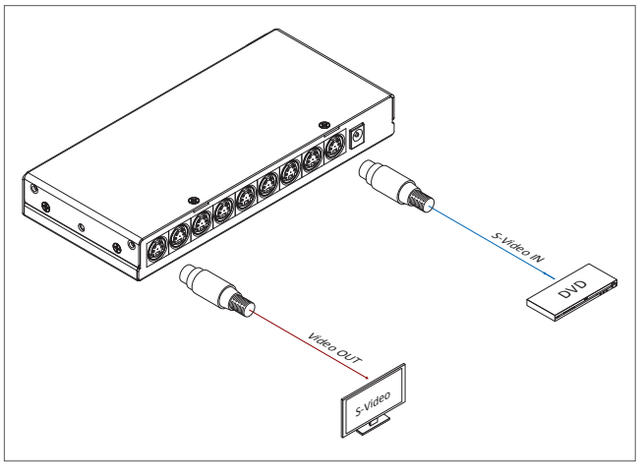
Input : 1x S-Video
Output : 8x S-Video

S-VIDEO DISTRIBUTOR

INTRODUCTION

SB-3706SV is a 1 input to 8 outputs S-Video(Y/C) Distribution Amplifier. The Video Bandwidth 80MHz Amplifier product. It's one of the most innovative signal S-Video via Mini-din female connector Distribution Amplifier product on the market today. Support wall rack mount type. It has 1 individual input with 8 individual outputs. Because it is a 1 to 8 signal Distributor, any input may be routed to outputs. It completely eliminates the need to constantly move around S-Video input and output cables. This Distribution Amplifier is ideally suited for TV for the resolution of 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x8 S-Video (Y/C) Distribution Amplifier
02. Signals amplifier including : S-Video (Y/C)
03. Terminator via Mini-Din 4 pin Female Connector
04. Support HDTV Resolution for 480i, 480p, 576p, 720p
05. Video Bandwidth : 80MHz (-3dB), 200 mVp-p
06. Scan Rates Accepted for 50Hz or 60Hz
07. Support Lower power consumed full load under 210 mA
08. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	1 input to 8 outputs S-Video Distribution Amplifier
Type of Signals	S-Video (Y/C)
Video Bandwidth	80MHz, (-3dB) 2V p-p
Slew Rate	1000V/us, Fixed internal gain of 2
Scan Rates Accepted	50Hz or 60Hz
Safety Approvals	CE, FCC, VCCI, Erp , WEEE
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3709

1x8 S-Video · Audio Distribution Amplifier

Input : 1x S-Video, Stereo Audio (AR/AL)
Output : 8x S-Video, Stereo Audio (AR/AL)

DISTRIBUTOR
S-VIDEO AUDIO

SB-3709 1x8 Distribution Amplifier

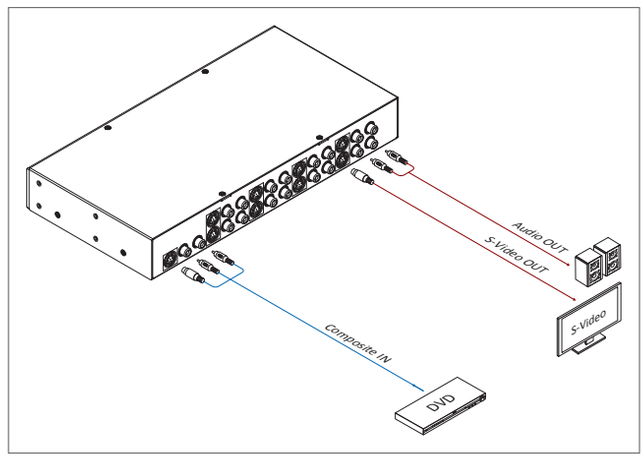
SB-3709M 1RU 19inch Rack Metal case

Ear Rack : 1U-300L

INTRODUCTION

SB-3709 is a 1 input to 8 outputs S-Video & Stereo Audio Distribution Amplifier. Video Bandwidth 440MHz Distribution Amplifier product. It's one of the most innovative S-Video(Y/C) and Stereo Audio (AR/AL) distribution amplifier product on the market today. Support 19 inch Ear mount pair part number #1U-300L and MRM is 19 inch 1RU Rack mount type. It has 1 individual inputs with 8 individual outputs. Because it is a distributor, SO the (1) input maybe distribution to any (8) outputs in the same time. It completely eliminates the need to constantly move around S-Video and Stereo Audio input and output cables. This distribution amplifier is ideally suited for distributing S-Video/ Audio signals from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box Devices to TV for resolution 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x8 Composite S-Video-Stereo Audio Distribution Amplifier
02. Distributing S-Video(Y/C) and Stereo Audio(AR/AL) Signals
03. Support HDTV Resolutions for 480i, 480p, 576p, 720p
04. S-Video Bandwidth : 440MHz (-3dB), 200 mVp-p
05. Audio bandwidth : 60MHz
06. Audio Frequency Respond : 20Hz ~ 20KHz
07. Application Source devices from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box
08. Power switch control via selection pushbuttons with LED readout
09. Enclosure type : SB-3709M Support 19 inch Ear & 1RU Rack mountable
10. Support Lower power consumed full load under 480 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of distributor	1 input to 8 outputs Distribution Amplifier
Type of Signals	S-Video (Y/C) via 1x RCA Female Connector Stereo Audio (AR/AL) via 2x RCA Female Connectors
S-Video Bandwidth	440MHz, (-3dB) 2V p-p
Audio Bandwidth	60MHz, (-3dB)(Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
Slew Rate	1000V/us, Fixed internal gain of 2
Controls	Power switch selection via pushbuttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Dimension (WxDxH)	SB-3709 : 9.44" x 5.70" x 1.77" (240mm x 145mm x 45mm) SB-3709M : 11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	SB-3709 : 0.5 kg / 1.1 lb SB-3709M : 1.4 kg / 3.08 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3737SV

1x8 S-Video · Composite Video · Digital · Audio Distribution Amplifier

Input : 1x S-Video, Composite Video, Digital (S/PDIF), Stereo Audio (AR/AL)
Output : 8x S-Video, Composite Video, Digital (S/PDIF), Stereo Audio (AR/AL)

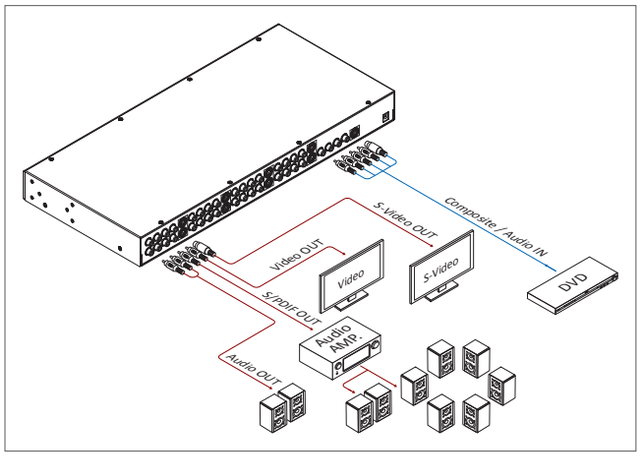
COMPOSITE DISTRIBUTOR PRO DIGITAL S-VIDEO VIDEO AUDIO

Ear Rack : 1U-440L

INTRODUCTION

SB-3737SV is a 1 input to 8 outputs S-Video, Digital Audio, Composite Video & Stereo Audio Distribution Amplifier. The Video Bandwidth 440MHz Distribution Amplifier product. It's one of the most innovative S-Video (Y/C), Digital (S/PDIF), Composite Video and Stereo Audio (AR/AL) Distribution Amplifier product on the market today. Support 19 inch Ear mount pair part number #1U-440L and MRM is 19 inch 1RU Rack mount type. It has 1 individual input with 8 individual outputs. Because it is a distributor, so the (1) input may be distribution to any (8) outputs in the same time. It completely eliminates the need to constantly move around S-Video(Y/C), Digital Audio, Composite Video and Stereo Audio input and output cables. This Distribution Amplifier is ideally suited for distributing AV signals from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box Devices to TV for resolution 480p, 720p.

DIAGRAM TYPICAL



FEATURES

01. Support 1x8 S-Video, Digital, Video & Audio Distribution Amplifier
02. Distributing S-Video(Y/C), Digital(S/PDIF), Composite Video and Stereo Audio(AR/AL) Signals
03. Support HDTV Resolutions for 480i, 480p, 576p, 720p
04. Video Bandwidth : 440MHz (-3dB), 200 mVp-p
05. Audio bandwidth : 60MHz. Digital Audio : 110MHz
06. Audio Frequency Respond : 20Hz ~ 20KHz
07. Application Source devices from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box
08. Power switch control via selection pushbuttons with LED readout
09. Wall mounted Ear Rack included
10. Support Lower power consumed full load under 820 mA
11. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of distributor	1 input to 8 outputs Distribution Amplifier
Type of Signals	S-Video (Y/C), Via 1x Mini-Din 4P Female Connector Digital Audio (S/PDIF), via 1x RCA Female Connector Composite Video, via 1x RCA Female Connector Stereo Audio (AR/AL) via, 2x RCA Female Connectors
Video Bandwidth	440MHz, (-3dB) 2V p-p,
Audio Bandwidth	Digital Audio : 110MHz, (3dB), Stereo Audio : 60MHz, (-3dB) (Audio-Right=60MHz, Audio-Lift=60MHz)
Audio Frequency Respond	20Hz ~20KHz
All Hostile Crosstalk	-56dB @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
Slew Rate	1000V/us, Fixed internal gain of 2
Controls	Power switch selection via pushbuttons with LED readout
Safety Approvals	CE, FCC, VCCI, Erp ,WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 7.87" x 1.73" (442mm x 200mm x 44mm)
Weight	2.4 kg / 5.29 lb
Power Supply	DC 12V, @0.35A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3705

1x4 Stereo Audio Distribution Amplifier

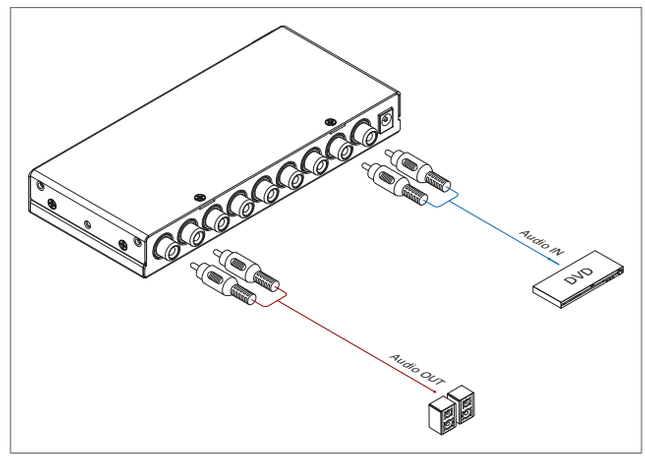
Input : 1x Stereo Audio (AR/AL)
Output : 4x Stereo Audio (AR/AL)

DISTRIBUTOR STEREO AUDIO

INTRODUCTION

SB-3705 is a 1 Input to 4 Outputs Stereo Audio Distribution Amplifier product. The Audio Bandwidth is 60MHz. It's one of the most innovative Stereo Audio (AR/AL) Distribution Amplifier product. There's 1 individual input with 4 individual outputs. It is a Distribution Amplifier, the input can be distributed to any 4 outputs. It completely eliminates the need to constantly move around Stereo Audio input and output cables. This distribution amplifier is suited for distributing audio sources from audio signals from VCR, Camcorder, Video Game Console, Video CD, DVD, Satellite Receivers, CATV Set-Top-Box Devices to audio devices on TV, Plasma display monitor, Audio Amplifier, and any other applications.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 4 outputs Stereo Audio Distribution Amplifier
02. Distributing Stereo Audio(AR/AL)
03. Audio Bandwidth : 60MHz
04. Excellent product for distributing Stereo Audio
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Suitable for distributing Audio Sources from HD high resolution Video player device To LCD/Plasma monitor display's Audio or Audio Amplifier
07. Support lower power consumed full load under 180 mA
08. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of distributor	1 input to 4 outputs Stereo Audio Distribution Amplifier
Type of Signals	Stereo Audio (AR/AL)
Audio Bandwidth	60MHz
Audio Frequency Respond	20Hz ~20KHz
Differential Phase Error	0.02 , 0.1 dB (RL=150)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84 db @ 5 MHz, -54 dB @ 50 MHz
Channel Crosstalk	-56 db @ 100 MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100 dB@10MHz
Low power CMOS	550 uA Quiescent Current
Safety Approvals	CE, FCC, Erp , WEEE
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3710

1x4 Digital · Video · Audio Distribution Amplifier

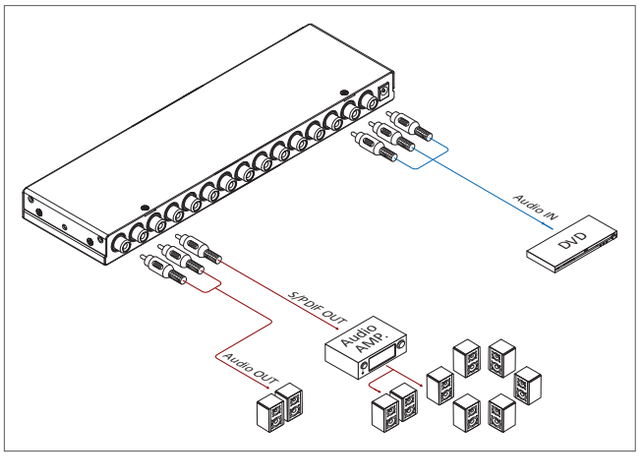
Input : 1x Digital Audio (S/PDIF) or Composite Video, Stereo Audio (AR/AL)
Output : 4x Digital Audio (S/PDIF) or Composite Video, Stereo Audio (AR/AL)

DISTRIBUTOR DIGITAL VIDEO AUDIO

INTRODUCTION

SB-3710 is a 1 Input to 4 Outputs Digital Audio Distribution Amplifier product. Digital Audio Bandwidth is 110MHz, Audio=60MHz. It's one of the most innovative Digital (S/PDIF) or Video (Composite Video) and Stereo Audio (AR/AL) Distribution Amplifier product. There's 1 individual input with 4 individual outputs. The one input is able to distribute to any 4 outputs, and completely eliminates the need to constantly move around connected cables and devices. This distribution amplifier is ideally for distributing any AV audio sources. Such as VCR, Camcorder, Video Game Console, Video CD, DVD, Satellite Receivers, CATV Set-Top-Box, High Definition LCD Television, Plasma display monitor Audio and Audio Amplifier applications.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 4 outputs Digital/Video-Audio Distribution Amplifier
02. Distributing Digital Audio-S/PDIF (or Composite Video) and Stereo Audio(AR/AL)
03. Digital Audio Bandwidth : 110MHz (-3dB), 200 mVp-p, Audio (60MHz)
04. Excellent distributing with Digital Audio(S/PDIF) and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Suitable for distributing Audio Sources from HD high resolution Video player device To LCD/Plasma monitor display or Audio Amplifier
07. Support Lower power consumed full load under 350 mA
08. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of distributor	1 input to 4 outputs Digital/Video-Audio Distribution Amplifier
Type of Signals	Digital (S/PDIF) or Composite Video and Stereo Audio (AR/AL)
Audio Bandwidth	Digital Audio= 110MHz, (-3 dB), Audio=60MHz
Audio Frequency Respond	20Hz ~20KHz
Differential Phase Error	0.02 , 0.1 dB (RL=150)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84 db @ 5 MHz, -54 dB @ 50 MHz
Channel Crosstalk	-56 db @ 100 MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100 dB@10MHz
Low power CMOS	550 uA Quiescent Current
Safety Approvals	CE, FCC, REACH, Erp, WEEE
Dimension (WxDxH)	8.26" x 4.44" x 1.06" (210mm x 113mm x 27mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.15A (World Wide Universal AC 100~240V 50/60Hz)

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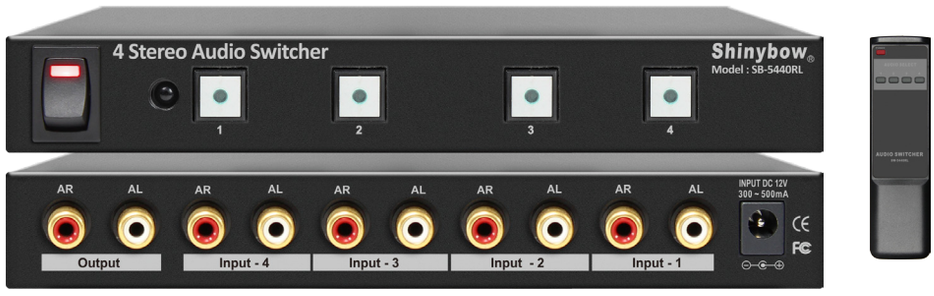
SB-5440RL

4x1 Stereo Audio Switcher

Input : 4x Stereo Audio (AR/AL)
Output : 1x Stereo Audio (AR/AL)

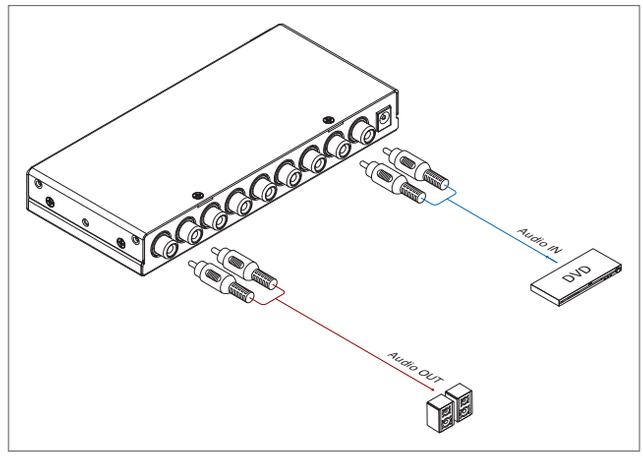
AUDIO SWITCHER



INTRODUCTION

SB-5440RL is a 4 inputs to 1 output Stereo Audio (AR/AL) router switcher. This Audio switcher product is one of the most innovative Stereo Audio (AR/AL) routing switcher product. Support 4 individual inputs with 1 individual output and wall mount type. Any inputs on switcher can be routed to any 1 output. It completely eliminates the need to constantly move around cable of Audio input and output. This switcher is suit for sources from full HD LCD HDTV Television or HD Plasma display monitor applications to speakers. Control is provided via Front select push buttons with LED readout and IR remote controller.

DIAGRAM TYPICAL



08

FEATURES

01. Support 4 Inputs To 1 Output Stereo Audio Router Switcher
02. Support switch signal Stereo Audio via 8x RCA Connectors
03. Audio Bandwidth : 60MHz (-3dB)
04. Infrared IR remote control via frequency (38Khz)
05. Suitable for switching Audio from Video player device and HDTV, LCD TV, Plasma TV, HD Monitor displays
06. Controls by front panel push buttons with LED readout and IR remote controller
07. Support Lower power consumed full load under 180 mA
08. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	4 inputs to 1 output Audio Routing Switcher
Type of Signals	Stereo Audio via 8x RCA Female Connectors
Audio Bandwidth	60MHz, (-3dB)
All Hostile Crosstalk	-56db @ 5MHz, -45dB @ 50MHz
Scan Rates Accepted	50Hz or 60Hz
IR Infrared Frequency	38 KHz
Controls	Direct selection via front panel push buttons with LED readout or IR Remote Controller
Safety Approvals	CE, FCC, VCCI, REACH, Erp, WEEE
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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SB-8804LCM

8x8 Digital · Video · Audio Matrix Switcher

Input : 8x Digital Audio (S/PDIF) or Composite Video, Stereo Audio (AR/AL)
Output : 8x Digital Audio (S/PDIF) or Composite Video, Stereo Audio (AR/AL)

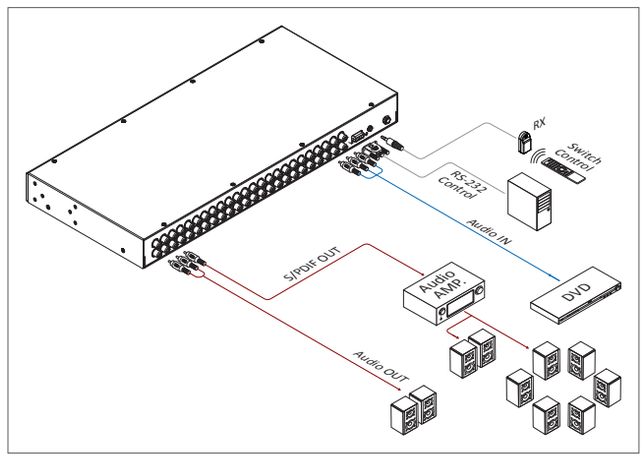
VOLUME SWITCHER MATRIX PRO BALANCE DIGITAL VIDEO AUDIO

Ear Rack : 1U-440L

INTRODUCTION

SB-8804LCM is a high speed Audio Matrix Switcher with 300MHz video Bandwidth, Maximum 325MHz. This product is applicable for both Digital Audio (S/PDIF) and Video (Composite Video) and Stereo Audio (AR/AL) signals switching. Stereo Audio output support Volume(+0~+100 levels) and Balance (L50~R50) control function. As an matrix switcher, 8 individual inputs can be routed to any 8 individual outputs, which completely eliminates the need to constantly move around cable. It is ideal for switching audio signals from VCRs, Camcorders, Video Game Console, Video CDs, DVDs, Satellite Receivers, CATV Set-Top Box, High Definition LCD TV, Plasma display monitor, and Audio Amplifier applications. Control is provided via front push buttons with LCM readout or IR remote controller. A RS-232 interface is provided for interfacing with third party control. A Windows based control software package is included to provide complete control of the SB-8804LCM from a PC. The console support 19 inch ear mount pair (part number #1U-440L), which is easy for installation.

DIAGRAM TYPICAL



FEATURES

01. Support 8 inputs to 8 outputs Digital/Video-Audio Matrix Switcher
02. Support Digital Audio-S/PDIF (or Composite Video) and Stereo Audio (AR/AL)
03. Digital Audio Bandwidth : 300MHz (-3dB)
04. Excellent Audio switch with Digital Audio (S/PDIF) and Stereo Audio Performance
05. Audio Frequency Respond : 20Hz ~ 20KHz
06. Stereo Audio output support Volume(+0~+100 levels) and Balance (L50~R50) control function.
07. Suitable for switching Audio Sources from HD high resolution Video player device To LCD/Plasma monitor display's Audio or Audio Amplifier
08. Direct selection via front push buttons with LED readout
09. Provide IR remote control (38KHz) and IR Extender (Maximum 300M) Support RS 232 interface control driver for 95/98/2000/xp
10. A Windows-based control software Driver is included in the package
11. Support Audio 1~8 Outputs with Volume adjustable
12. Wall mounted Far Rack included
13. Support lower power consumed full load under 1200 mA
14. Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

Type of switcher	8x8 Digital / Video-Audio Matrix Switcher
Type of Signals	Digital (S/PDIF) or Composite Video and Stereo Audio (AR/AL)
Audio Bandwidth	Digital Audio = 300MHz, (-3dB), Audio=60MHz
Audio Frequency Respond	20Hz ~20KHz
Audio Volume control	+0 ~ +100 levels (+6db)
Audio Balance control	L=+0 ~ +50, R=+51 ~ +100
Differential Phase Error	0.02 , 0.1 dB (RL=150)
Fast settling time	15ns To 0.1%
All Hostile Crosstalk	-84db @ 5MHz, -54dB @ 50MHz
Channel Crosstalk	-56db @ 100MHz
Slew Rate	1000 V/us, G=+1,2 V Step
High OFF Isolation	-100dB @ 10MHz
Low quiescent current	<20uA
Controls	IR Remote Controller (38KHz), Front panel selection buttons with LED readout and RS-232 PC control
Safety Approvals	CE, FCC, VCCI, Erp, WEEE
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 9.96" x 1.73" (442mm x 253mm x 44mm)
Weight	2.5 kg / 5.51 lb
Power Supply	DC 12V, @2A (World Wide Universal AC 100~240V 50/60Hz)

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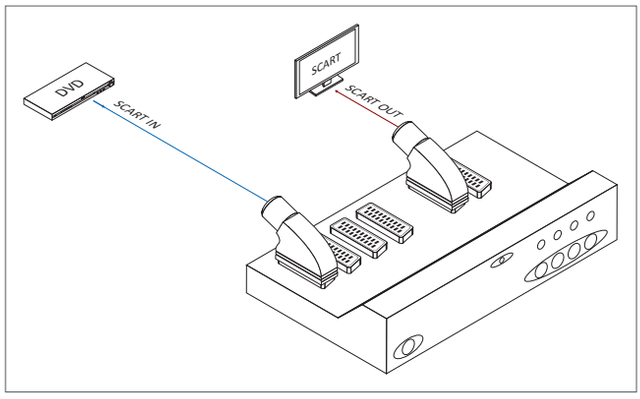
SB-5510

4x2 Scart Routing Switcher

SCART AUDIO SWITCHER

Input : 4x Scart
Output : 2x Scart

DIAGRAM TYPICAL



FEATURES

01. Support SCART 4 inputs To 2 outputs routing switcher
02. Input: 4x SCART (RGB, S-Video, Composite Video and Stereo Audio)
    Output: 2x SCART (RGB, S-Video, Composite Video and Stereo Audio)
03. SCART group input/output signals included
    - RGB
    - S-Video (Y/C)
    - Composite Video
    - Audio: Stereo Audio (AR, AL)
04. Refresh: for HDTV 480i, 480p, 576p, 720p, 1080i, 1080p
05. Control by IR remote and direct selection by front panel express buttons
06. Inputs status with LED display read out via front panel
07. Support ON/OFF power switch on front panel

SPECIFICATIONS

Type of Switcher	4 in To 2 out SCART Routing Switcher
Type of Signal	SCART (RGB, S-Video, Composite Video and Stereo Audio)
Video Bandwidth	110 MHz, -3dB (G=+2)
High Speed and fast settling	5V
IR Frequency	38KHz
Low Power	4.4 mA/Amplifier
Scan Rates Accepted	50Hz or 60Hz
Monitor screen	Auto Scan 16:9 or 4:3
Lower power consumed	consumed full load under 650/400Ma
Controls	IR remote controller, front pushbuttons with LED readout
Safety approvals	CE, FCC
Dimension (WxDxH)	9.37" x 6.02" x 1.73" (238mm x 153mm x 44mm)
Weight	0.9 kg / 1.98 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

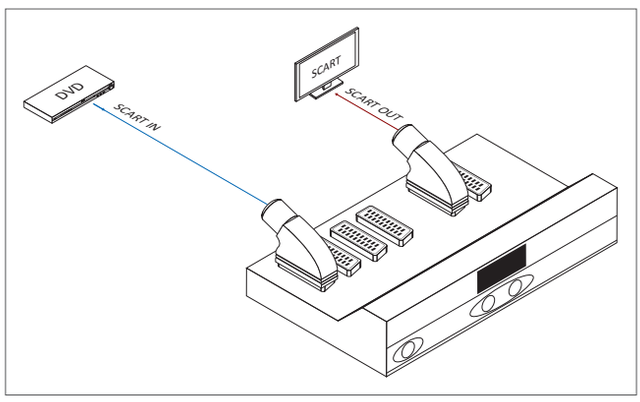
SB-5520

4x2 Scart Matrix Switcher

SCART AUDIO MATRIX

Input : 4x Scart
Output : 2x Scart

DIAGRAM TYPICAL



FEATURES

01. Support SCART 4 inputs To 2 outputs matrix switcher
02. Inputs : 4x SCART (RGB, S-Video, Composite Video and Stereo Audio)
    Outputs : 2x SCART (RGB, S-Video, Composite Video and Stereo Audio)
03. SCART Group input/output Signals included
    - RGB
    - S-Video (Y/C)
    - Composite Video
    - Audio: Stereo Audio (AR, AL)
04. Refresh: for HDTV 480i, 480p, 576p, 720p, 1080i, 1080p
05. Control By IR remote and direct selection by front panel express buttons
06. Inputs status with LED display read Out via front Panel
07. Support ON/OFF power switch on front panel

SPECIFICATIONS

Type of Switcher	4 in To 2 out SCART Matrix Switcher
Type of Signal	SCART (RGB, S-Video, Composite Video and Stereo Audio)
Video Bandwidth	110 MHZ, -3dB (G=+2)
High Speed and fast settling	on 5V
IR Frequency	38KHz
Low Power	4.4 mA/Amplifier
Scan Rates Accepted	50Hz or 60Hz
Monitor screen	Auto Scan 16:9 or 4:3
Lower power consumed	consumed full load under 650/400Ma
Controls	IR remote controller, front pushbuttons with LED readout
Safety approvals	CE, FCC
Dimension (WxDxH)	9.37" x 6.02" x 1.73" (238mm x 153mm x 44mm)
Weight	0.9 kg / 1.98 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-5525

6x2 Scart Matrix Switcher

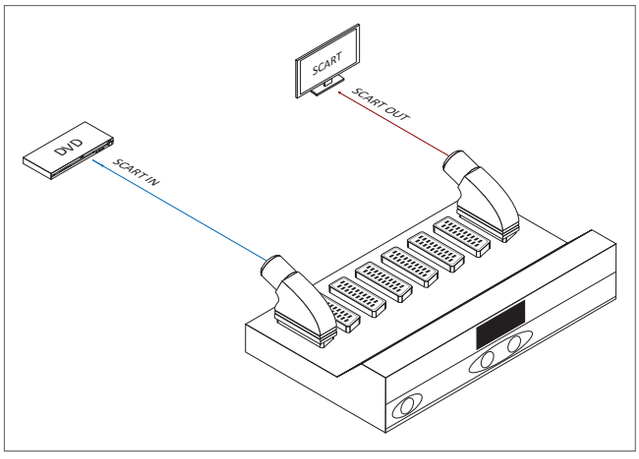
Input : 6x Scart
Output : 2x Scart

SCART AUDIO MATRIX

INTRODUCTION

SB-5525 is a 6:2 MATRIX SCART RGB/S-Video (Y/C)/ Composite Video/ Stereo Audio switching product. The switcher supports 6 individual inputs with 2 individual outputs. The matrix function of SB-5525 can be routed any input and output to each other. The switcher completely eliminates the need to constantly move around SCART input and output cables. It is ideally suitable for High Resolution TV applications. Control is provided via Front pressed buttons with LED readout or IR remote controller.

DIAGRAM TYPICAL



FEATURES

01. Support SCART 6 inputs To 2 Outputs Matrix Switcher
02. Inputs:6x SCART (RGB, S-Video, Composite Video and Stereo Audio)
    Outputs:2x SCART (RGB, S-Video, Composite Video and Stereo Audio)
03. SCART Group input/output Signals included
    - RGB
    - S-Video (Y/C)
    - Composite Video
    - Audio:Stereo Audio (AR, AL)
04. Refresh:for HDTV 480i, 480p, 576p, 720p, 1080i, 1080p
05. Control By IR Remote and Direct Selection by Front Panel express Buttons
06. Inputs status with LED display Read Out via front Panel
07. Support ON/OFF Power switch on Front Panel

SPECIFICATIONS

Type of Switcher	6 in To 2 out SCART Matrix Switcher
Type of Signal	SCART (RGB, S-Video, Composite Video and Stereo Audio)
Video Bandwidth	110 MHZ, -3dB (G=+2)
High Speed and fast settling	on 5V
IR Frequency	38KHz
Low Power	4.4 mA/Amplifier
Scan Rates Accepted	50Hz or 60Hz
Monitor screen	Auto Scan 16:9 or 4:3
Lower power consumed	consumed full load under 650/400Ma
Controls	IR remote controller, front pushbuttons with LED readout
Safety approvals	CE, FCC
Dimension (WxDxH)	9.37" x 6.02" x 1.73" (238mm x 153mm x 44mm)
Weight	0.9 kg / 1.98 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-3715

1x4 Scart Distribution Amplifier

SCART AUDIO AMPLIFIER

Input : 1x Scart
Output : 4x Scart

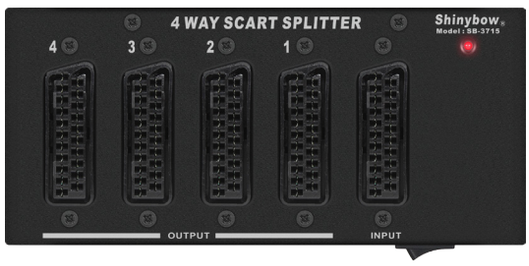
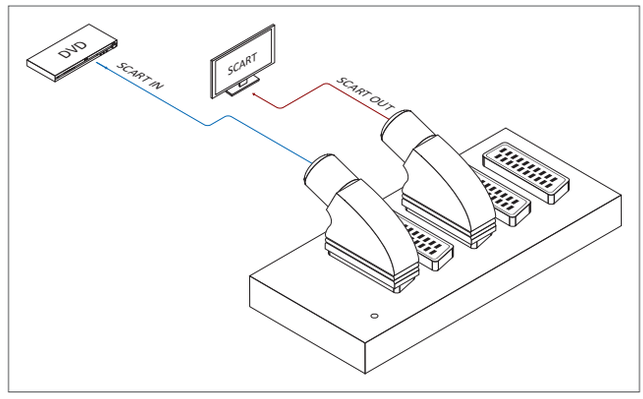


DIAGRAM TYPICAL



FEATURES

01. Support SCART 1 input To 4 Outputs Routing Switcher
02. Input:1x SCART (RGB, S-Video, Composite Video and Stereo Audio)
    Outputs:4x SCART (RGB, S-Video, Composite Video and Stereo Audio)
03. SCART Group input/output Signals included
    - RGB
    - S-Video (Y/C)
    - Composite Video
    - Audio:Stereo Audio (AR, AL)
04. Refresh:for HDTV 480i, 480p, 576p, 720p, 1080i, 1080p
05. Auto Scan 16:9 and 4:3 Screen Line vision
06. Power on status with LED display on power switch
07. Power Supply for 100~230VAC, 12VDC Universal Type switch

SPECIFICATIONS

Type of Switcher	1 in To 4 out SCART Routing Switcher
Type of Signal	SCART (RGB, S-Video, Composite Video and Stereo Audio)
Video Bandwidth	110 MHz, -3dB (G=+2)
High Speed and fast settling	on 5V
HDTV	480i, 480p, 576p, 720p, 1080i, 1080p
Low Power	4.4 mA/Amplifier
Scan Rates Accepted	50Hz or 60Hz
Monitor screen	Auto Scan 16:9 or 4:3
Lower power consumed	consumed full load under 650/400Ma
Controls	power switch with LED readout
Safety approvals	CE, FCC
Dimension (WxDxH)	6.88" x 3.14" x 0.98" (175mm x 80mm x 25mm)
Weight	0.7 kg / 1.54 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

SB-3720

1x8 Scart Distribution Amplifier

SCART AUDIO AMPLIFIER

Input : 1x Scart
Output : 8x Scart

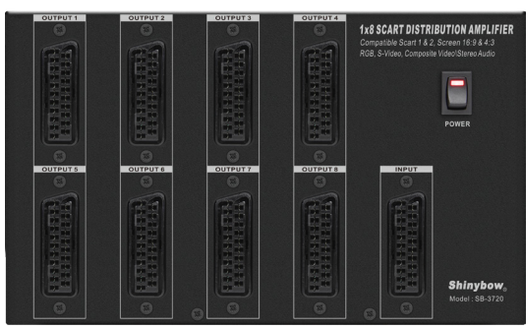
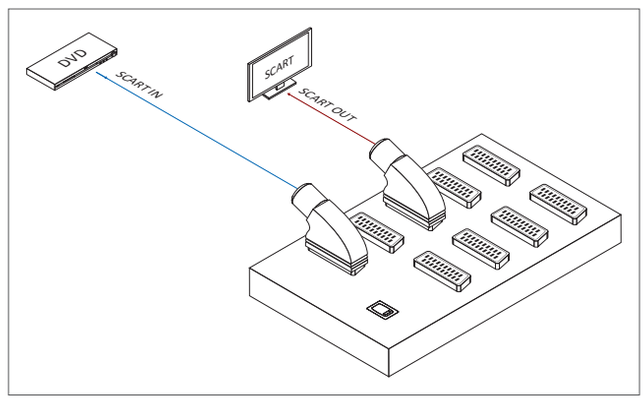


DIAGRAM TYPICAL



FEATURES

01. Support SCART 1 input To 8 Outputs Routing Switcher
02. Input :1x SCART (RGB, S-Video, Composite Video and Stereo Audio)
    Outputs:8x SCART (RGB, S-Video, Composite Video and Stereo Audio)
03. SCART Group input/output Signals included
    - RGB
    - S-Video (Y/C)
    - Composite Video
    - Audio: Stereo Audio (AR, AL)
04. Refresh: for HDTV 480i, 480p, 576p, 720p, 1080i, 1080p
05. Auto Scan 16:9 and 4:3 Screen Line vision
06. Power on status with LED display on power switch
07. Power Supply for 100~230VAC, 12VDC Universal Type switch

SPECIFICATIONS

Type of Switcher	1 in To 8 out SCART Routing Switcher
Type of Signal	SCART (RGB, S-Video, Composite Video and Stereo Audio)
Video Bandwidth	110 MHZ, -3dB (G=+2)
High Speed and fast settling	on 5V
HDTV	480i, 480p, 576p, 720p, 1080i, 1080p
Low Power	4.4 mA/Amplifier
Scan Rates Accepted	50Hz or 60Hz
Monitor screen	Auto Scan 16:9 or 4:3
Lower power consumed	consumed full load under 650/400mA
Controls	power switch with LED readout
Safety approvals	CE, FCC
Dimension (WxDxH)	9.44" x 5.70" x 1.06" (240mm x 145mm x 27mm)
Weight	0.8 kg / 1.76 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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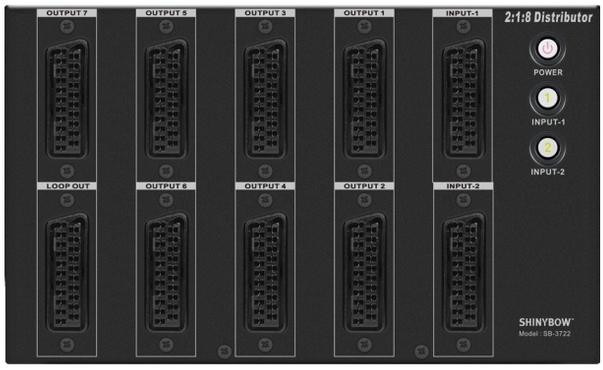
SB-3722

2x1:8 Scart Distribution Amplifier

Input : 2x Scart
Output : 8x Scart

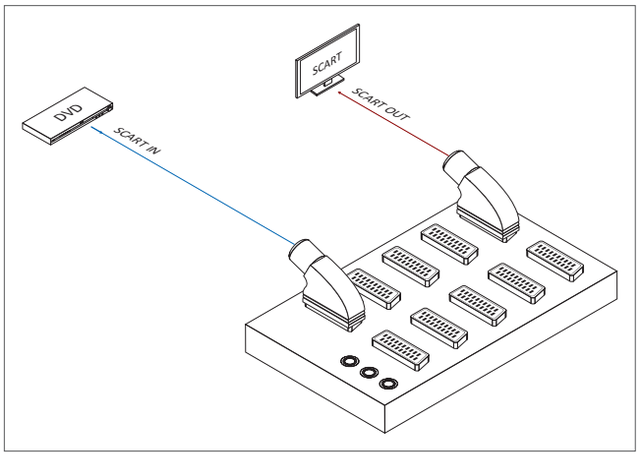
SCART AUDIO AMPLIFIER



INTRODUCTION

The SB-3722 is one of the most innovative SCART signal switch and distribution product.The SB-3722 Support 2 SCART sources inputs switch to 8 SCART TV or SCART display outputs distribution amplifier. SCART support signals included of RGB S-Video (Y/C), Composite Video and Stereo Audio (AR/AL) This product provides 8 SCART outputs that are identical to the source signal. It is suitable for distributing signals from full HD HDTV, Resolutions for 480i,480p,576p,720p,1080i and 1080p. Also the VCRs, Camcoders, Video Game Consoles Video CD s, DVDs, Satellite Receivers, CATV Set Top Boxes, DVB/T....etc.

DIAGRAM TYPICAL



FEATURES

01. Support SCART 2 inputs switch to 8 outputs Distribution Amplifier
02. Input :2x SCART (RGB, S-Video, Composite Video and Stereo Audio)
    Outputs:8x SCART (RGB, S-Video, Composite Video and Stereo Audio)
03. SCART Group input/output Signals included
    - RGB
    - S-Video (Y/C)
    - Composite Video
    - Audio: Stereo Audio (AR, AL)
04. Refresh: for HDTV 480i, 480p, 576p, 720p, 1080i, 1080p
05. Auto Scan 16:9 and 4:3 Screen Line vision
06. Power on status with LED display on power switch
07. Power Supply for 100~230VAC, 12VDC Universal Type switch

SPECIFICATIONS

Type of Switcher	2 in To 8 out SCART Switcher-Distribution Amplifier
Type of Signal	SCART (RGB, S-Video, Composite Video and Stereo Audio)
Video Bandwidth	380 MHz (13dB), 200 mVp-p
High Speed and fast settling	on 5V
HDTV	480i, 480p, 576p, 720p, 1080i, 1080p
Low all hostile crosstalk	-83dB @5Mhz
Scan Rates Accepted	50Hz or 60Hz
Monitor screen	Auto Scan 16:9 or 4:3
Lower power consumed	consumed full load under 650/400mA
Controls	power switch with LED readout
Safety approvals	CE, FCC
Dimension (WxDxH)	9.44" x 5.70" x 1.06" (240mm x 145mm x 27mm)
Weight	0.8 kg / 1.76 lb
Power Supply	DC 12V, @1A (World Wide Universal AC 100~240V 50/60Hz)

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SB-2810 · SB-2809

1 To 1 Composite Video · S-Video · Audio Booster

Input : 1x Composite Video, S-Video, Stereo Audio (AR/AL)
Output : 1x Composite Video, S-Video, Stereo Audio (AR/AL)

S-VIDEO VIDEO AUDIO BOOSTER

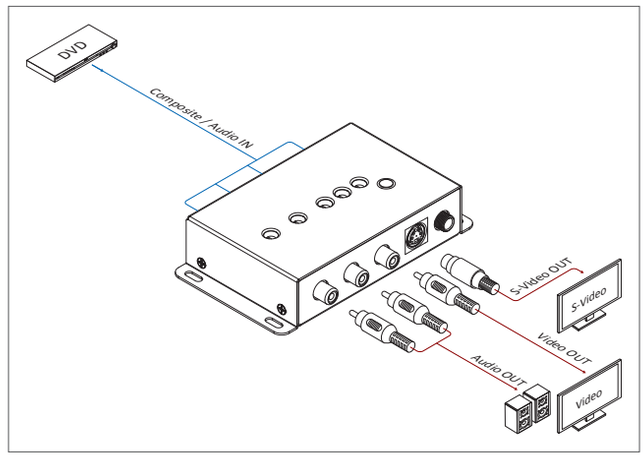
SB-2810
1x input To 1x output Booster

SB-2809 (BNC)
1x input To 1x output Booster

INTRODUCTION

SB-2810 is a Video and Audio Booster product and SB-2809 use BNC connector. It's one of the most innovative Composite Video, S-Video(Y/C) and Stereo Audio booster product on the market Today. It has 1 individual input with 1 individual output. Because it is one video to one video booster, So input will booster by output port. It completely eliminates the need to constantly move around S-Video, Composite Video and Stereo Audio input and output cables. This booster is ideally suitable for boost CCD, Handycam or Video Players extending composite video or S-Video about 300M~500M to High Definition LCD HDTV TV or for full HD resolutions or Plasma display Monitor applications. Control is provided adjust VR volume knobs on upper case.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 1 output Composite / S-Video / Stereo Audio Booster
02. Video Support 1 input Extend To 1 Output
03. Video Boost Volume : 0~+ 6dB, Video 1Vpp
04. Suitable for CCD device signal extend to HDTV or Plasma monitor displays
05. High Resolution support : 480i, 480p, 720p
06. Direct VR adjust volume via knob on upper case
07. Support Component Video field 50Hz and 60Hz
08. Boost signal extend to 300M ~500M
09. Enclosure type : Support wall rack mountable
10. Signals for S-Video, Component Video & Stereo Audio (AR/AL)
11. Support Lower power consumed full load under 210 mA
12. Power supply offer a universal type 100~ 230 VAC switch

SPECIFICATIONS

Type of Booster	1 input to1 output S-Video, Composite Video (BNC) Booster
Type of Video	S-Video (Y/C) via mini-din 4p connector Composite Video via RCA connector (SB-2809-BNC) Stereo Audio via RCA connector
Boost distance	300M ~ 500M (1Vpp)
Scan rates accepted	50Hz and 60Hz
TV Video system	NTSC (60Hz) or PAL (50Hz) TV Video system
Line conversion	NTSC 525x525, PAL 625x625
Safety Approvals	CE, FCC
Dimension (WxDxH)	5.03" x 2.83" x 1.06" (128mm x 72mm x 27mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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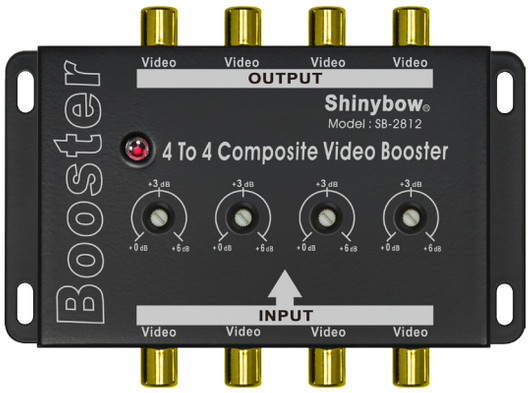
SB-2812 · SB-2811

4 To 4 Composite Video Booster

Input : 4x Composite Video
Output : 4x Composite Video

VIDEO BOOSTER

SB-2812
4x inputs To 4x outputs Booster

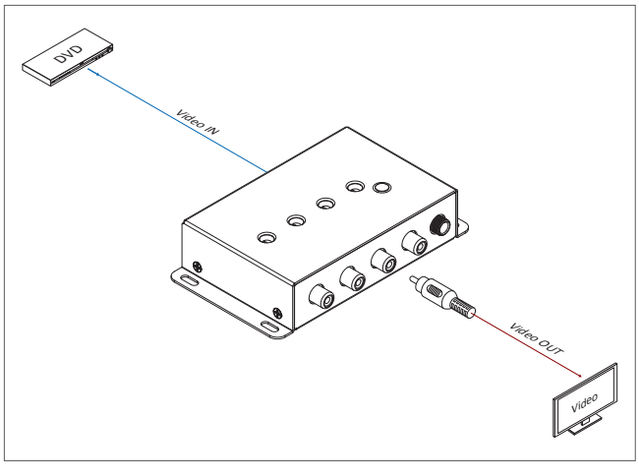


SB-2811 (BNC)
4x inputs To 4x outputs Booster

INTRODUCTION

SB-2812 is a Video Booster product and SB-2811 use BNC connectors. It's one of the most innovative Composite Video booster products on the market Today. It has 4 individual inputs with 4 individual outputs. Because it is one video to one video booster, So input # 1 will booster by output #1 port. Input #2 Booster to Output #2 too. It completely eliminates the need to constantly move around Composite Video input and output cables. This booster is ideally suitable for boost CCD, Handycam or Video Players extending composite video about 500M~1000M to High Definition LCD HDTV TV for full HD resolutions or Plasma display monitor applications. Control is provided adjust VR volume knobs on upper case.

DIAGRAM TYPICAL



FEATURES

01. Support 4 inputs to 4 outputs Composite Video Extend Booster
02. Video Support Composite Video from 4 inputs To 4 Outputs
03. Video Boost Volume : 0~+6dB, Video 1Vpp
04. Suitable for CCD device signal extend to HDTV or Plasma monitor displays
05. High Resolution support : 480i, 480p, 720p
06. Direct VR adjust volume via knob on upper case
07. Support TV Video system NTSC or PAL TV Video system
08. Support Line conversion for NTSC 525x525, PAL 625x625
09. Enclosure type : Support wall rack mountable
10. Signals BPR & Stereo Audio (AR/AL)
11. Support Lower power consumed full load under 150 mA
12. Power supply offer a universal type 100~230 VAC switch

SPECIFICATIONS

Type of Booster	4 inputs to 4 outputs Composite Video (BNC) Booster
Type of Video	Composite Video via 2812 RCA - 2811 BNC connectors
Boost distance	300M ~ 1000M (1Vpp)
Scan rates accepted	50Hz and 60Hz
TV Video system	NTSC (60Hz) or PAL (50Hz) TV Video system
Line conversion	NTSC 525x525, PAL 625x625
Safety Approvals	CE, FCC
Dimension (WxDxH)	5.03" x 2.83" x 1.06" (128mm x 72mm x 27mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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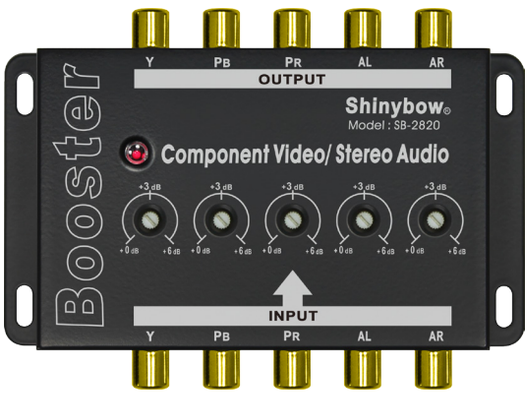
SB-2820 · SB-2819

1 To 1 Component Video · Audio Booster

Input : 1x Component Video, Stereo Audio (AR/AL)
Output : 1x Component Video, Stereo Audio (AR/AL)

COMPONENT AUDIO BOOSTER

SB-2820
1x input To 1x output Booster

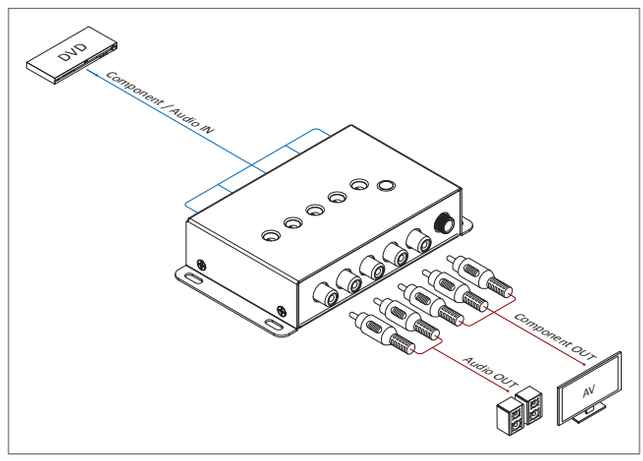


SB-2819 (BNC)
1x input To 1x output Booster

INTRODUCTION

SB-2820 is a Component Booster product and SB-2819 use BNC connectors. It's one of the most innovative Component Video - Audio booster products on the market Today. It has 1 individual input with 1 individual output. Because it is one video to one video booster So input # 1 will booster by output #1 port. It completely eliminates the need to constantly move around Component Video and Stereo Audio input and output cables. This booster is ideally suitable for boost CCD, Handycam or Video Players extending component video about 300M~500M to High Definition LCD HDTV TV for full HD resolutions or Plasma display Monitor applications. Control is provided adjust VR volume knobs on upper case.

DIAGRAM TYPICAL



FEATURES

01. Support 1 input to 1 output Component Video / Stereo Audio Booster
02. Video Support Component Video from 1 input To 1 Output
03. Video Boost Volume : 0~+6dB, Video 1Vpp
04. Suitable for CCD device signal extend to HDTV or Plasma monitor displays
05. High Resolution support : 480i, 480p, 720p
06. Direct VR adjust volume via knob on upper case
07. Support Component Video field 50Hz AND 60Hz
08. Boote signal extend to 300M~500M
09. Enclosure type : Support wall rack mountable
10. Signals for Component Video & Stereo Audio (AR/AL)
11. Support Lower power consumed full load under 200 mA
12. Power supply offer a universal type 100~230 VAC switch

SPECIFICATIONS

Type of Booster	1 input to 1 output Component Video (BNC) Booster
Type of Video	Component Video via RCA connector is SB-2820 BNC connector is SB-2819
Boost distance	300M ~ 500M (1Vpp)
Scan rates accepted	50Hz and 60Hz
TV Video system	NTSC (60Hz) or PAL (50Hz) TV Video system
Line conversion	NTSC 525x525, PAL 625x625
Safety Approvals	CE, FCC
Dimension (WxDxH)	5.03" x 2.83" x 1.06" (128mm x 72mm x 27mm)
Weight	0.3 kg / 0.66 lb
Power Supply	DC 12V, @0.3A (World Wide Universal AC 100~240V 50/60Hz)

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IR Extender

Transmitter & Receiver

SB-101 (300M)
300M Transmitter Set

SB-100 (300M)
300M Receiver Set

SB-101C (2M)
2M Transmitter Cable

SB-100C (2M)
2M Receiver Cable

Ear Rack

19 Inch Rack Mount

#WM-1INCH-130MM
1 Inch High Wall Mount

1U-300L
1U Ear Rack Mount
(Width 300mm)

1U-440L
1U Ear Rack Mount

2U-440L
2U Ear Rack Mount

3U-440L
3U Ear Rack Mount

4U-440L
4U Ear Rack Mount

6U-440L
6U Ear Rack Mount

9U-440L
9U Ear Rack Mount

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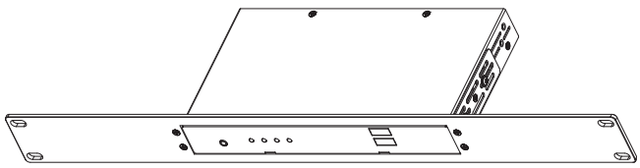
SB-6077 · SB-6078

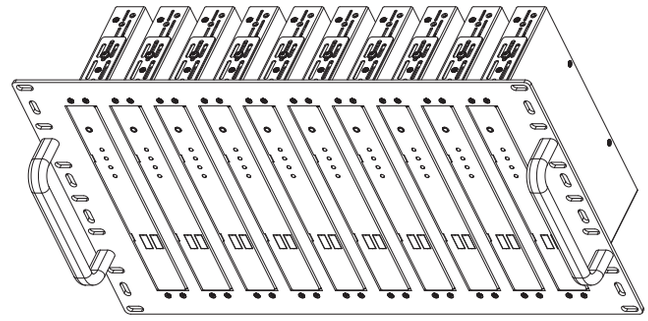
19 inch Rack Extender Panel

Application : SB-6355T/R, SB-6356T/R, SB-6361T/R, SB-6362T/R

SB-6077 : 1U rack mount (1 port)



SB-6078 : 6U rack mount (10 port)

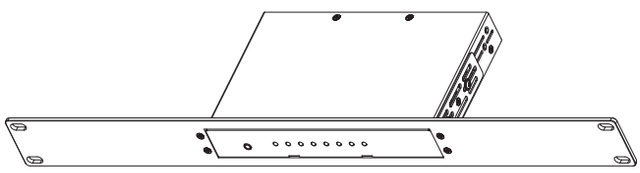


SB-6076A · SB-6076B

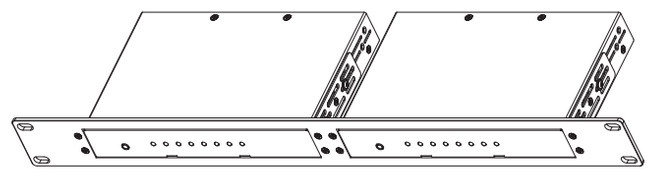
19 inch Rack Extender Panel

Application : SB-1102, SB-3705, SB-3706, SB-3706BNC, SB-3706SV, SB-5440, SB-5440BNC, SB-5440SV, SB-5440RL, SB-3772, SB-3776

SB-6076A : 1U rack mount (1 port)



SB-6076B : 1U rack mount (2 port)

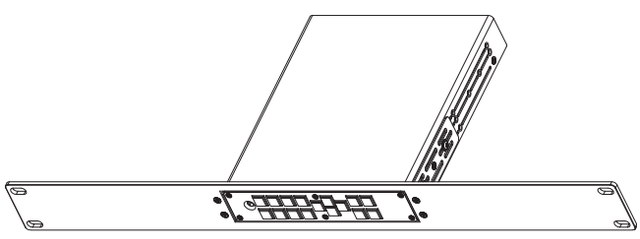


SB-6073A · SB-6073B

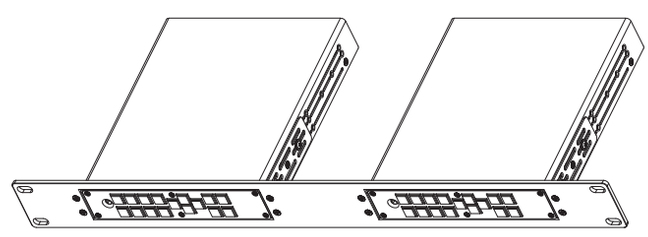
19 inch Rack Extender Panel

Application : SB-3691, SB-3880

SB-6073A : 1U rack mount (1 port)



SB-6073B : 1U rack mount (2 port)



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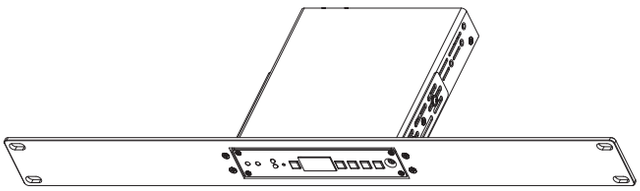
SB-6075A · SB-6075B

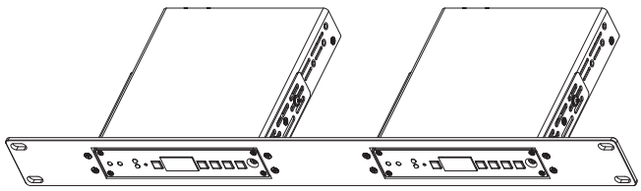
19 inch Rack Extender Panel

Application : SB-6320T/R, SB-6334T4/R4, SB-6334T5/R5, SB-6335T/R, SB-6335T4/R4, SB-6335T5/R5, SB-6353R, SB-6500T/R, SB-6800T/R

SB-6075A : 1U rack mount (1 port)



SB-6075B : 1U rack mount (2 port)

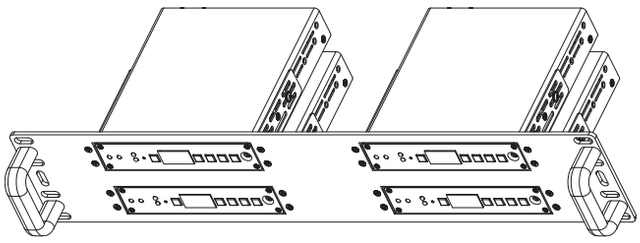


SB-6002 · SB-6069

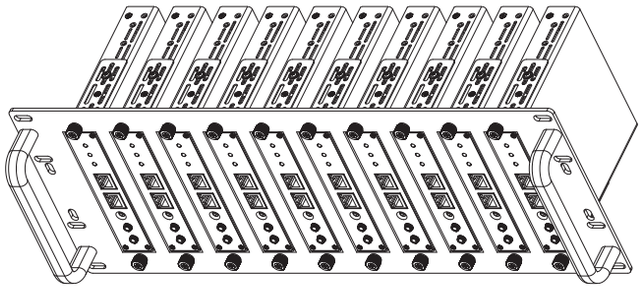
19 inch Rack Extender Panel

Application : SB-6320T/R, SB-6334T4/R4, SB-6334T5/R5, SB-6335T/R, SB-6335T4/R4, SB-6335T5/R5, SB-6353R, SB-6500T/R, SB-6800T/R

SB-6002 : 2U rack mount (4 port)



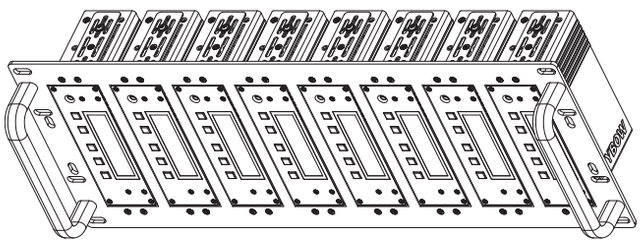
SB-6069 : 4U rack mount (10 port)



SB-6074

19 inch 4U rack mount (8 port)

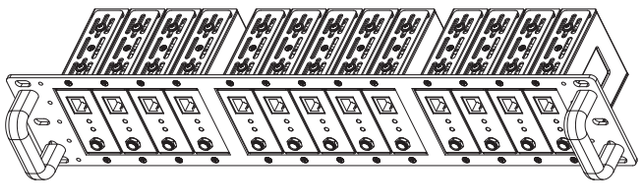
Application : SB-6700



SB-6001

19 inch 2U rack mount (13 port)

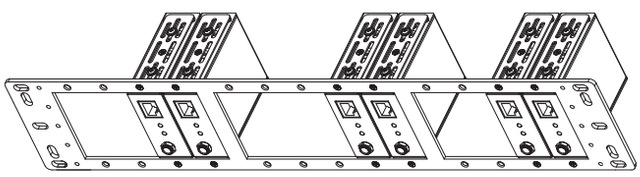
Application : SB-6333T/R, SB-6333T3/R3, SB-6357, SB-6358



SB-6000 (SB-6066)

19 inch 2U rack mount (13 port)

Application : SB-6530T/R, SB-6110/R, SB-6130/R, SB-6135/R



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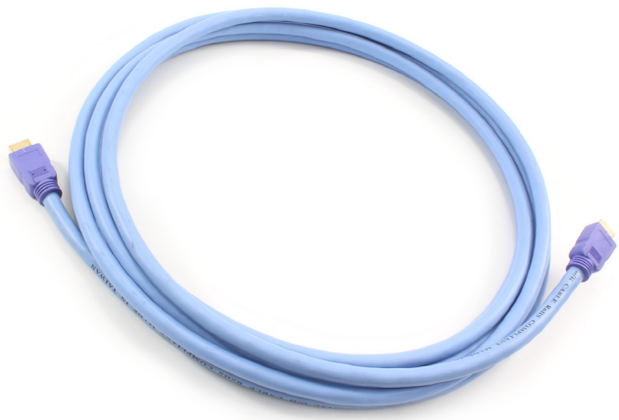
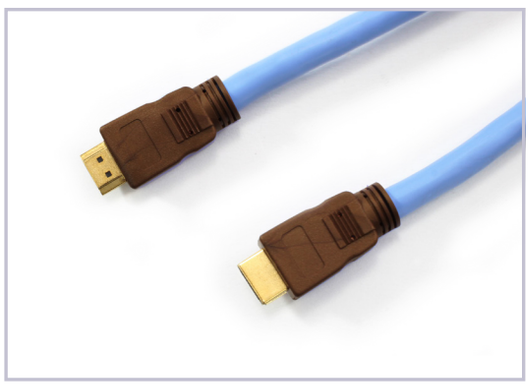
HDMI CABLE

1.5M ~ 30M HDMI V1.4 Cable

PRO V1.4





Plug Color :
- Blue
- Brown

Cable Color :
- Blue

FEATURES

01. HDMI 1.4 Standard Cable
02. Support 4K2K, 1080p-60Hz
03. Video Bandwidth support 8.75 Gbps
04. Length of cable from 4.9 feet (1.5M) to 98 feet (30M)

SPECIFICATIONS

Type of Cable	HDMI 1.4 Standard Cable
Instruction	AWG 24* 4P + AWG 24*7C
Temperature	Voltage base 30V, 80°C
Dimensions	OD 9.7mm
Insulation	Foamed PE Polypropylene
Density	Aluminum-Foil Tinned Cooper Braid 90%
Impedance	100±10
Capacitance	46.5 pf

Model No.

HC-100	3.2 feet (1M)	0.12kg/0.26lb
HC-150	4.9 feet (1.5M)	0.18kg/0.4lb
HC-200	6.5 feet (2M)	0.24kg/0.53lb
HC-300	9.8 feet (3M)	0.36kg/0.8lb
HC-500	16 feet (5M)	0.6kg/1.32lb
HC-1000	32 feet (10M)	1.2kg/2.64lb
HC-1200	39 feet (12M)	1.44kg/3.17lb
HC-1500	49 feet (15M)	1.8kg/3.96lb
HC-2000	65 feet (20M)	2.5kg/5.5lb

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CATEGORY FTP CABLE

70M & 100M Category Cable

PRO CAT5e CAT6 CAT6a

Plug Color :
- Blue
- Green
- Red
- Yellow

Cable Color :
- Gray
- Black

Cable Length :
- 229 feet (70M)
- 328 feet (100M)

Model No.		
FTP5e-70	229 feet (70M)	2kg/4.4lb
FTP5e-100	328 feet (100M)	3kg/6.6lb
FTP6-70	229 feet (70M)	2.5kg/5.5lb
FTP6-100	328 feet (100M)	4kg/8.8lb

SPECIFICATIONS UTP5e

01. Scope : CAT.5E FTP Patch 4 Pairs Cable
High speed data communication category cable construction consisting of Two twisted pair and PVC jacket
02. Speed Support : 100MHz, Max.125MHz (1000Base-T), Ethernet network system
03. Construction :
3.1 Configuration : Twisted Pairs Color Code with PVC Jacket
3.2 Component : a. Size of Conductor : AWG 24 (1x0.503mm) copper wire
b. Dielectric : PP
c. Diameter of Dielectric core : 0.975 ± 0.03mm
d. UL style no. of single : 444 75°C
e. Number of twist pairs : Pairs. Each one of two pairs with different pitch
3.3 Assembly : Two pairs of dielectric core shall be stranded in circular form
3.4 Jacket : Material : PVC
Overall Diameter : ave. 6.0mm ± 0.2mm
Color : Gray
04. Electrical Property :
4.1 Capacitance : nom. 18.0 pf/ft
4.2 Velocity of propagation : nom. 67%
4.3 Operating Temperature : -10°C ~ 75°C
4.4 JDC resistance of conductor : nom. 9.388Ω/100m at 20°C
4.5 Characteristic impedance : nom. Impedance 100 ± 15Ω
4.6 Attenuation : nom. 1.800 db/100m at 0.772MHz
nom. 2.000 db/100m at 1MHz
nom. 4.100 db/100m at 4MHz
nom. 5.800 db/100m at 8MHz
nom. 6.500 db/100m at 10MHz
nom. 8.200 db/100m at 16MHz
nom. 9.300 db/100m at 20MHz
nom. 10.40 db/100m at 25MHz
nom. 11.70 db/100m at 31.25MHz
nom. 17.00 db/100m at 62.5MHz
nom. 22.00 db/100m at 100MHz
05. Physical Property : Tensile strength and Elongation for PP insulation and PVC Jacket
5.1 Tensile strength : PP..... min 3000 psi
Jacket ... min 1800 psi
5.2 Elongation : PP..... min 150%
Jacket ... min 225%
06. Safety Approvals : UL Type Style Page CM complying with UL Subject 758,UL 444 and UL 1581

SPECIFICATIONS UTP6

01. Scope : CAT.6 S-FTP Patch 4 Pairs Cable
High speed data communication category cable construction consisting of Two twisted pair and PVC jacket
02. Speed Support : 100MHz, Max. 250MHz (1000 Base-T), Ethernet network system
03. Construction :
3.1 Configuration : Twisted Pairs Color Code with PVC Jacket
3.2 Component : a. Size of Conductor : AWG 23 (1x0.53mm) copper wire
b. Dielectric : PP
c. Diameter of Dielectric core : 1.01 ± 0.03mm
d. UL style no. of single : 444 75°C
e. Number of twist pairs : Two Pairs. Each one of two pairs with different pitch
3.3 Assembly : Two pairs of dielectric core shall be stranded in circular form
3.4 Jacket : Material : PVC
Overall Diameter : ave. 6.40mm ± 0.2mm
Color : Gray
04. Electrical Property :
4.1 Capacitance : nom. 18.0 pf/ft
4.2 Velocity of propagation : nom. 67%
4.3 Operating Temperature : -10°C ~ 75°C
4.4 JDC resistance of conductor : nom. 9.388Ω/100m at 20°C
4.5 Characteristic impedance : nom. Impedance 100 ± 15Ω
4.6 Attenuation : nom. 2.000 db/100m at 1MHz
nom. 3.800 db/100m at 4MHz
nom. 5.300 db/100m at 8MHz
nom. 6.000 db/100m at 10MHz
nom. 7.600 db/100m at 16MHz
nom. 8.500 db/100m at 20MHz
nom. 9.500 db/100m at 25MHz
nom. 10.70 db/100m at 31.25MHz
nom. 15.40 db/100m at 62.5MHz
nom. 19.80 db/100m at 100MHz
nom. 29.00 db/100m at 200MHz
nom. 32.80 db/100m at 250MHz
05. Physical Property : Tensile strength and Elongation for PP insulation and PVC Jacket
5.1 Tensile strength : PP..... min 3000 psi
Jacket ... min 1800 psi
5.2 Elongation : PP..... min 150%
Jacket ... min 225%
06. Safety Approvals : UL Type Style Page CM complying with UL Subject 758,UL 444 and UL 1581

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