

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)

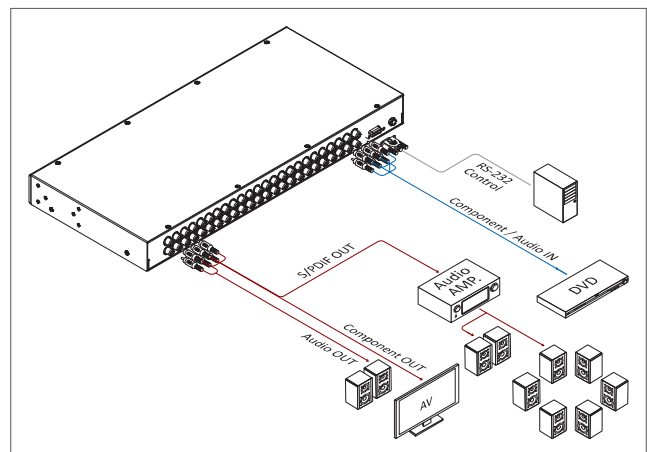
COMPONENT MATRIX PRO



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-Left=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)