

## SB-4140LCM

4x4 VGA Matrix Switcher

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

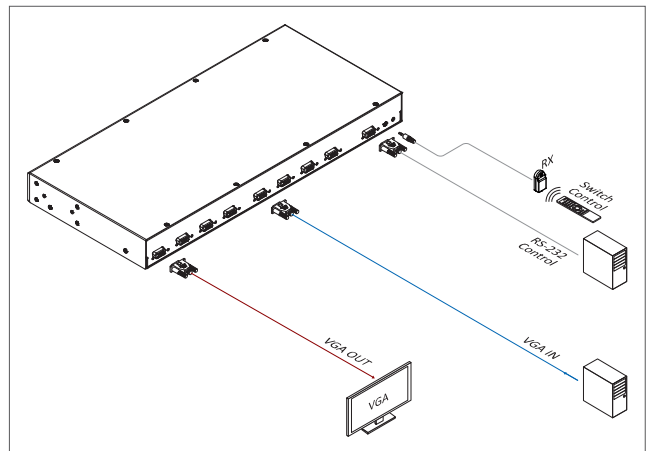
VGA MATRIX RS-232 PRO



### 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)