

## SB-4148

4x8 VGA-Audio Matrix Switcher

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

VGA AUDIO MATRIX RS-232 PRO

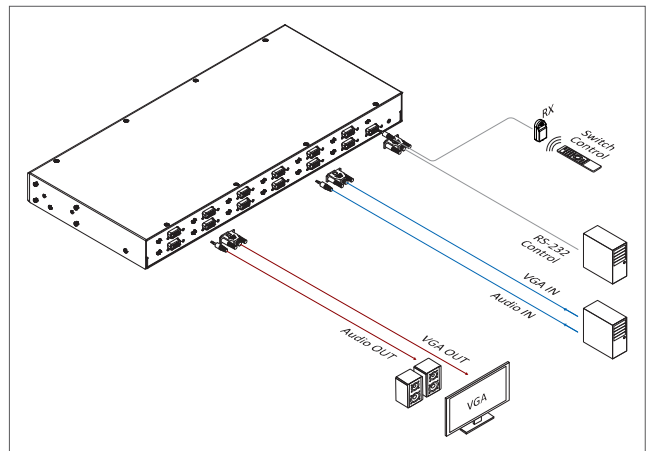


Ear Rack : 1U-440L

### 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

- Support (4) inputs to (8) outputs VGA & Audio Matrix Switcher
- Input signals via (4)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Output signals via (8)x analog VGA (RGBHV) and Stereo Audio (3.5mm OD Jack)
- Video Bandwidth 425MHz (-3dB), 200 mVp-p, maximum 450MHz, each path signals
- Audio Bandwidth 60MHz (Audio-Right = 60MHz, Audio-Left = 60MHz)
- Audio Frequency Response range : 20Hz ~ 20KHz
- Supported selection push buttons direct channel on front panel
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200)
- Low all hostile crosstalk of -83dB @ 5MHz
- Excellent ESD rating : exceeds 4000 V
- 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)
- Compatible with full HD high resolution Video player device and LCD/ Plasma monitor displays or Projector
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz) Support RS-232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Support Lower power consumed full load under 1140mA
- 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 mVp-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)