SHINYBOW™

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)
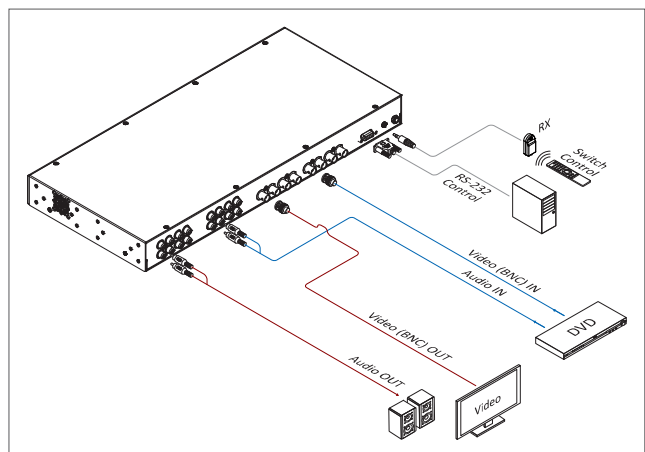
MATRIX | VIDEO | AUDIO | PRO
VOLUME | BALANCE

Ear Rack : 1U-440L

07

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)