

SB-5645LCM

4x4 HDMI Matrix Switcher

PRO MATRIX SWITCHER

Input : 4x HDMI
Output : 4x HDMI



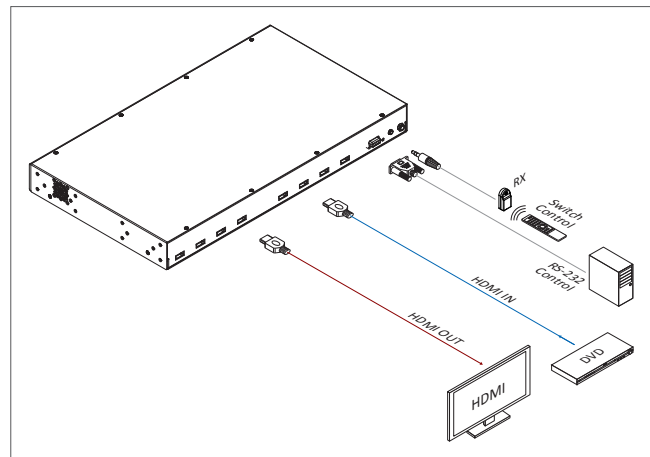
Ear Rack : 1U-440L

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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

- Support (4)x HDMI digital source devices Matrix switched to (4)x HDMI destinations
- HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 1.3 compliant
- Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats
- Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHz)
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p
- Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2.
- Support IR Remote and IR Extender with distance 300M Maximum
- 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)
- 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 world wide seven (7) select embedded EDID modes
- Support seven (7) control function key :
 - ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
- Support RS-232 interface control AP driver for PC 95/98/2000/xp/7/8 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 2450 mA
- 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)