

SB-6225
HDMI EXTENDER

Input : 1x HDMI
Output : 1x HDMI



HDMI EXTENDER



02

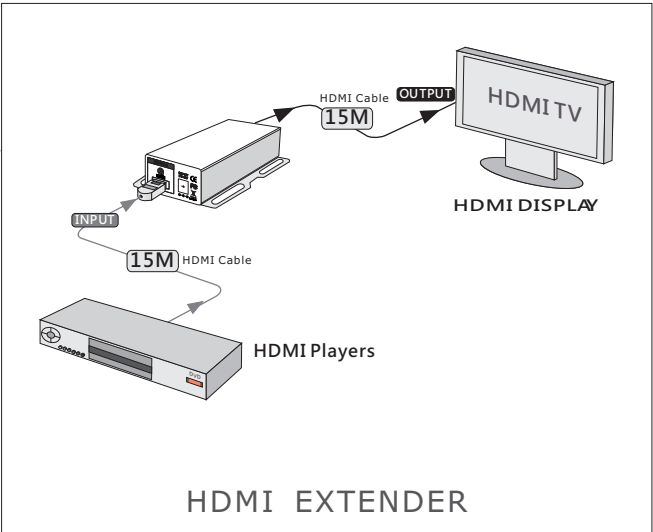
INTRODUCTION

The SB-6225 is a HDMI extender and will extend the HDMI signals up to 100 feet. In its basic configuration, the SB-6225 links two HDMI cables to create a longer extension up to 100 feet.

SB-6225 repeaters can be daisy chained, to create much longer HDMI extensions up to 360 feet. The SB-6225 supports the HDMI 1.3, 1.4a 3D version ,1080p HD resolution and multi-channels digital audio for the best signal quality.

Standard installation involves using HDMI cable-- up to 50 feet long which is connected from HDMI source (DVD player,PS3, set-topbox) to the HDMI input jack on the SB-6225. The another HDMI cable runs from the SB-6225 output jack to the HDTV display -- up to 50 feet away.

SB-6225 HDMI EXTENDER



FEATURES

- 1. HDMI signal Digital Video TMDS /Audio 30M Extender
- 2. HDMI digital Video/Audio and DVI format and HDCP compliant
- 3. Support link speeds of up to 3.4 Gbps
- 4. Support Digital RGB 36bits HDMI TMDS format deep color
- 5. Extension with high quality video 1920x1200 for 1080p-60Hz
- 6. Support HD High Definition resolution 408p, 720p 1080i/1080p
- 7. Support High quality Digital Audio format with DTS-HD Master Audio, Dolby True-HD & Dolby
- 8. Long distance extend between Blu-Ray HDMI player and HDMI display
- 9. Easy to install without any adjustment
- 10. Wall moun table
- 11. Power DC 12V input with Low power consuming

SPECIFICATIONS

- 1.Type of Extender: HDMI signal for distance 30M Extender
- 2.Signal Support: Compliant with HDMI 1.4a and DVI 1.1 standards, HDCP Compliant
- 3.Support HD resolution: Capable of supporting the following digital video formats in Deep Color Mode at up to 36 bits (12 bits/color):
DTV resolutions: 480i, 576i, 480p, 576p, 1080i to 1080p
PC resolutions: VGA, SVGA, XGA, SXGA to UXGA
- 4.Audio Support: DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
- 5.Safety Approval: CE, FCC,VCCI,REACH,WEEE,Erp
- 6.Dimension (LWH): 2.65" x 2.76" x 1" (67.4mm x 70mm x 25mm)
- 7.Shipping Weight: 0.15 kgs / 0.33 lb
- 8.Power Supply: DC 12V /0.42A Max
Use Universal Switch Type 50/60Hz, 100~240VAC.

SB-5609

HDMI TO HDMI-SPDIF-AUDIO EXTRACTOR



Inputs : 1x HDMI

Outputs : 1x HDMI, 1x SPDIF, 1x STEREO AUDIO

HDMI EXTRACTOR SPDIF AUDIO



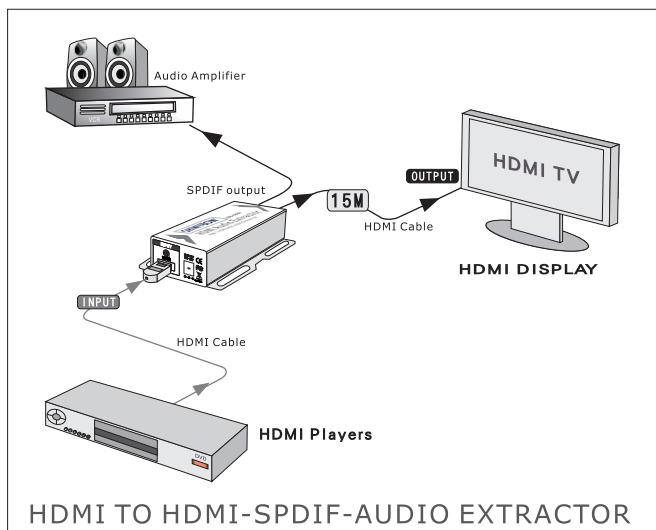
02

INTRODUCTION

The SB-5609 is the high quality HDMI Audio Extractor. This Extractor supports HDMI Repeater and Equalizer between HDMI player and display. SB-5609 supports HDMI 1.3, 1.4a, DVI 1.0 compliant and HDCP 2.0 specification. Audio support PCM 2-channel IIS/DSD, SPDIF and HDMI outputs, Video support 36 bits Deep Color up to 1080p-60 (225 MHz).

This device allows you to extract analogue audio LPCM2 and digital audio SPDIF from the HDMI signal while still sending the original audio and video signal to your HD devices. When using a display without speakers you can still extract the analogue audio to external speakers or digital audio to an Amplifier.

SB-5609 HDMI TO HDMI-SPDIF-AUDIO



FEATURES

1. HDMI Digital Audio SPDIF and Analogue Audio Extractor
2. HDMI 1.3, HDMI 1.4a 3D format, DVI 1.0 and HDCP compliant.
3. Support HDMI in/out Repeater with Equalizer.
4. Support 3D Video Format in HDMI 1.4
5. Support SD/HD Digital Audio 2-Channel IIS/DSD and SPDIF Audio.
6. Support wide Frequency Range: 25MHz~225MHz TMDs clock.
7. Support 12bits HDMI Deep Color up to 1080p(225Mhz TMDs clock).
8. Support HD High Definition resolutions HDMI 408p, 720p 1080i/1080p
9. Support DVI resolutions up to UXGA (1920x1200).
10. Digital Audio SPDIF format with DTS 5.1, Dolby 5.1 & PCM2
11. Support three EDID: TV-passing EDID to source, PCM-2CH and Bitstream
12. Cable support in/out distance 15M depend on the HDMI cable quality.
13. Mounting easy for Wall mountable
14. Power 12VDC input with Low power consumes

SPECIFICATIONS

- | | |
|--------------------------|---|
| 1. Type of Extractor: | HDMI digital Audio SPDIF and Analogue Audio. |
| 2. HD Compliant: | HDMI 1.3, HDMI 1.4a 3D format, DVI 1.0, DDC 5Vpp Compliant with HDCP 2.0 specification. |
| 3. HD Support: | Three : TV-passing EDID to source, PCM-2CH and Bitstream |
| 4. EDID Support: | 1080p HDMI format and DVI 1920x1200 resolution |
| 5. Video Support: | Digital RGB 12bits format deep color TMDs clock . |
| 6. Audio Support: | Audio port : PCM-2CH
S/PDIF port : DTS 5.1, Dolby 5.1, PCM-2CH
HDMI port : PCM-2CH, PCM 7.1, DTS 5.1, Dolby 5.1, Dolby Digital 7.1, DTS HD7.1, MAP(MLP) 7.1, One Bit Audio 2CH. |
| 7. 3D Support: | 3D Video format for HDMI 1.4a (223MBHz) |
| 8. Frequency Range: | HDMI 25MHz ~ 225MHz TMDs clock. |
| 9. Cable distance: | in/out 15M Totally 20~30M depend on HDMI cable quality |
| 10. Safety Approval: | CE, FCC |
| 11. Dimensions(LWH)inch: | 4.45 x 3.86 x 1.08 (113mm x 98mm x 27.5mm) |
| 12. Shipping Weight: | 0.35 kgs / 0.77 lb |
| 13. Power Supply: | DC 12V / 0.42A MAX
Use universal switch type 50/60Hz, 100~240VAC |

SB-5610

HDMI ARC CONTROL BOX

HDMI AUDIO EXTRACTOR-ARC-SPDIF-ANALOG STEREO



HDMI EXTRACTOR ARC SPDIF AUDIO

Inputs : 1x HDMI

Outputs : 1x HDMI, 1x SPDIF, 1x STEREO AUDIO



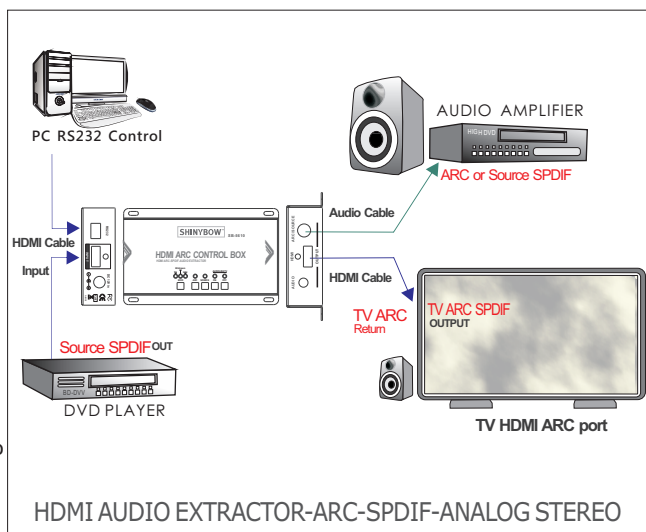
02

INTRODUCTION

The SB-5610 is the high quality HDMI ARC Control Box with HDMI Audio Extractor. Audio are ARC, DVD Source, SPDIF and Analog stereo. This control Box can link audio (ARC or Source SPDIF) to TV or Audio Amplifier and turn ON/OFF the TV or Audio Amplifier speaker. The Audio Extractor support HDMI Repeater and Equalizer between HDMI player and display. SB-5610 supports HDMI 1.3, HDCP 2.0 and DVI 1.0 compliant, HDMI 1.4a, 3D formats. Audio support PCM 2-channel IIS/DSD, S/PDIF and HDMI outputs, Video support 36 bits Deep Color up to 1080p-60Hz (225 MHz).

This device allows you to extract analogue audio LPCM2 and digital audio SPDIF from the HDMI signal while still sending the original audio video signal to your HD devices. When using a display without speakers you can still extract the analogue audio to external speakers or digital audio to an Amplifier.

SB-5610 HDMI ARC CONTROL BOX



FEATURES

1. HDMI ARC Control Box with Source SPDIF and Analogue Audio Extractor
2. HDMI 1.3, HDMI 1.4a 3D format, DVI 1.0 and HDCP compliant
3. Support HDMI in/out Repeater with Equalizer
4. Support HDMI 3D Video Format in HDMI 1.4
5. Support SD/HD Digital Audio 2-Channel IIS/DSD and SPDIF Audio
6. Support wide Frequency Range: 25MHz~225MHz TMDS clock
7. Support 12bits HDMI Deep Color up to 1080p(225MHz TMDS clock)
8. Support HD High Definition resolutions HDMI 408p, 720p 1080i/1080p
9. Support DVI resolutions up to UXGA (1920x1200)
10. Digital Audio SPDIF format with DTS 5.1, Dolby 5.1 & PCM2
11. Analog audio support : LPCM2
12. Support EDID : TV-passing EDID to source, PCM-2CH and Bitstream
13. Turn Audio of TV or Audio Amplifier Speakers ON or OFF
14. Support HDMI cable distance up to 50 feet (15M)
15. Wall mountable using the build-in tabs
16. Universal World Wide 100VAC~240VAC 50/60Hz power supply

SPECIFICATIONS

1. Type of Extractor: DMI Extractor ARC-Source SPDIF-Analogue Audio
2. HD Compliant: HDMI 1.3, HDMI 1.4a 3D format , DVI 1.0
3. EDID Support: Three:TV-passing EDID to source,PCM-2ch and Bitstream
4. Video Support: 1080p HDMI format and DVI 1920x1200 resolution
Digital RGB 12bits format deep color TMDS clock
5. Audio Support: Audio port : PCM-2CH
SPDIF port : SPDIF port : DTS 5.1, Dolby 5.1, PCM-2CH
HDMI port : PCM-2CH, PCM 7.1, DTS 5.1, Dolby Digital 7.1, DTS HD7.1, MAP(MLP) 7.1, one-Bit Audio 2CH
6. 3D Support: 3D Video format for HDMI 1.4a (225MHz)
7. Frequency Range: HDMI 25MHz ~ 225MHz TMDS clock
8. ARC Control : Audio Return Channel via TV HDMI ARC port
9. Audio Extractor: ON or OFF TV or Audio Amplifier
10. Cable distance: Total of 20~30M (depend on HDMI cable quality)
11. Safety Approval: CE/FCC
12. Dimension(LWH): 6.22 x 3.86 x 1.08 inch (158mm x 98mm x 27.5mm)
13. Shipping Weight: 0.45kgs / 1 lb
14. Power Supply: DC 12V /0.42A Max
Use Universal Switch Type 50/60Hz, 100~240VAC.

SB-5601

2x1 HDMI SWITCHER

HDMI SWITCHER

Inputs : 2x HDMI with HDCP
Outputs : 1x HDMI with HDCP



02

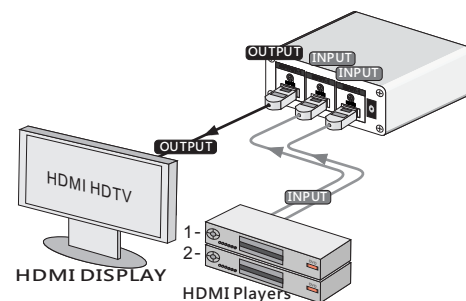
INTRODUCTION

The SB-5601 is a competitive, high performance switcher designed for HDMI signal support Digital Video TMDS format and Digital Audio via HDMI connector.

Providing 2 inputs and 1 output, the switcher support data rates up to 2.25 Gbps. Also Control any inputs to output via press the selection buttons on front panel.

This product is certified, and with fully HDMI and HDCP compliant. The product approved the CE , FCC compliant. Support High resolution 1080p quality HDMI sources to HDMI display, monitor or projector.

SB-5601 HDMI SWITCHER 2x1



2x1 HDMI ROUTING SWITCHER

FEATURES

- 1.Support 2:1 HDMI Switcher
- 2.Input : 2x HDMI (with HDCP) via 2x HDMI connectors
Output : 1x HDMI (with HDCP) via 1x HDMI connector
- 3.Support HDMI Max Data Rate – 2.25Gbps
- 4.HDTV Compatible and HDCP compliant
- 5.Control by press buttons on the real panel
- 6.Power Input : DC 12V, AC100V~240V Universal switch adaptor

SPECIFICATIONS

- | | |
|----------------------------------|--|
| 1. Type of Switcher: | 2x1 HDMI Switcher |
| 2. Type of Signal: | TMDS Digital Video PCM Digital Audio |
| 3. Compliant with HDMI standard: | HDMI and HDCP |
| 4. HDTV Support: | 1080p HDMI formats and UXGA 1600x1200 |
| 5. Data Rates: | 250Mbps to 2.25 Gbps |
| 6. Pixel clocks: | 25MHz ~ 225 MHz |
| 7. HDMI Cable Distance: | 15 meters at 2.25Gbps |
| 8. Controls: | select buttons on the front panel |
| 9. Safety Approvals: | CE, FCC, VCCI, REACH, Erp, WEEE |
| 10.Dimensions: | 4.45" x2.84" x1.15"(112.9mm x72mm x29.1mm) |
| 11.Shipping Weight: | 0.2 kgs / 0.44 lb |
| 12.Power Supply: | DC 12V /0.42A Max
Use Universal Switch Type 50/60Hz, 100~240VAC |

SB-5604
4x1 HDMI ROUTING SWITCHER

Inputs : 4x HDMI
Outputs : 1x HDMI



HDMI SWITCHER



02

INTRODUCTION

The SB-5604 is a competitive, high performance switcher designed for HDMI signal, support Digital Video TMDS format and Digital Audio via HDMI connectors.

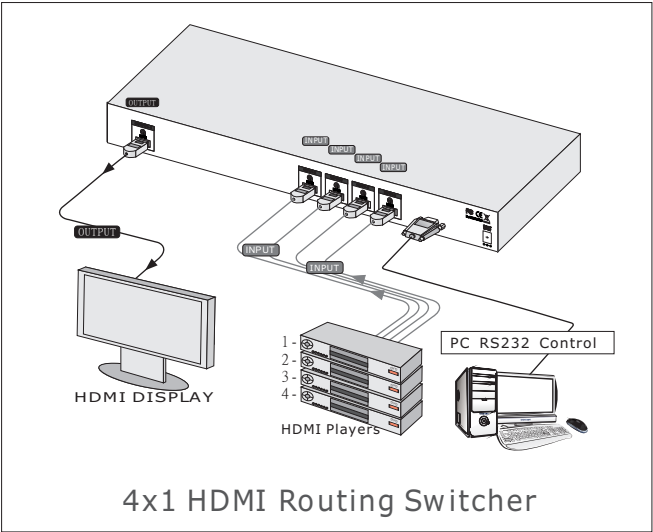
Providing 4 inputs and 1 output. The Switcher support data rate up to 2.25 Gbps. Also control any inputs to output via press the selection buttons on the front panel.

Control by selection buttons on the front panel, IR Remote controller and RS232 via a PC.

This product is certified and fully HDMI and HDCP compliant.

The product approved the CE , FCC compliants. Support high resolution 1080p quality HDMI sources to a HDMI display, monitor or projector.

SB-5604 HDMI ROUTING SWITCHER 4x1



FEATURES

- 1. Support HDMI 4xInputs to 1xOutput Switcher
- 2. Input: 4x HDMI (with HDCP) via 4x HDMI connector
Output: 1x HDMI (with HDCP) via 1x HDMI connectors
- 3. Support HDMI Max Data Rates– 2.25Gbps
- 4. HDTV Compatible and HDCP compliant
- 5. Control by press buttons on the front panel
- 6. RS232 serial port interface on the rear panel
- 7. IR transceiver on the front panel and IR External device connection
- 8. Input status with LED display

SPECIFICATIONS

- | | |
|----------------------------------|---|
| 1. Type of Switcher: | 4x1 HDMI Switcher |
| 2. Type of Signal: | TMDS Digital Video PCM Digital Audio |
| 3. Compliant with HDMI standard: | HDMI and HDCP |
| 4. HDTV Support: | 1080p HDMI formats and UXGA 1600x1200 |
| 5. Data Rates: | 50Mbps to 2.25 Gbps |
| 6. Pixel clocks: | 25MHz to 225 MHz |
| 7. HDMI Cable Distance: | 15 meters at 2.25Gbps |
| 8. Infrared frequency: | 38KHz |
| 9. Control: | RS232, IR, Select buttons (on the front panel) |
| 10. Safety Approvals: | CE, FCC, REACH, Erp, WEEE |
| 11. Dimension: | 8.27" x4.49" x1.07" (210mm x114mm x27mm) |
| 12. Shipping Weight: | 0.7 kgs / 1.54 lb |
| 13. Power Supply: | DC 12V /1.25A
Use Universal Switch Type 50/60Hz,100~240VAC |

SB-5605

4x1 HDMI-DIGITAL-OPTICAL SWITCHER

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Inputs : 4x HDMI, 4x Optical-Digital (Toslink)
Outputs : 1x HDMI, 1x Optical-Digital (Toslink)

HDMI SWITCHER



02

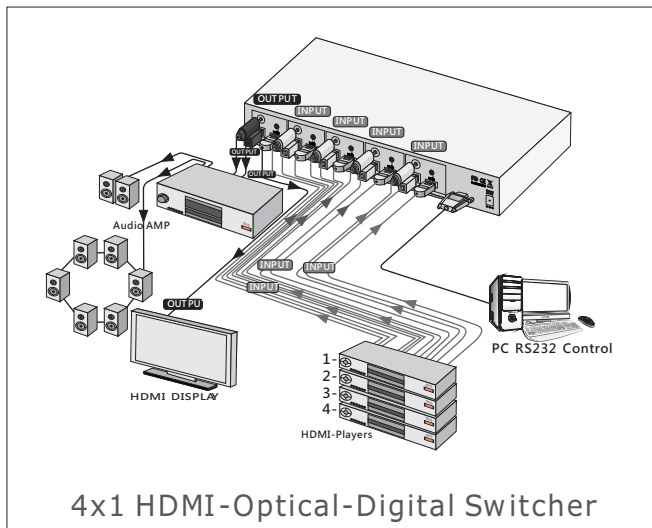
INTRODUCTION

The SB-5605 is a competitive, high performance switcher designed for HDMI signal, Digital Audio (PCM) and Optical (Toslink) signals.

Support Digital Video TMDS format and Digital Audio via HDMI connectors. Providing 4 inputs and 1 output. The Switcher supports data rate up to 2.25Gbps.

Also Control any inputs to output via press the selection buttons on the front panel. This product is certified, and fully HDMI and HDCP compliant. The product approved the CE & FCC compliants. Support high resolution 1080p quality HDMI sources to a HDMI display, Monitor or Projector.

SB-5605 HDMI-DIGITAL-OPTICAL SWITCHER 4x1



FEATURES

1. Support 4:1 HDMI Switcher
2. Input: 4x HDMI
Output: 1x HDMI
3. HDTV Compatible and HDCP compliant
4. Support HDMI Max Data Rate – 2.25Gbps
5. Control by press buttons on the front panel
6. RS232 serial port interface on the rear panel
7. IR transceiver on the front panel
8. Input status with LED display

SPECIFICATIONS

- | | |
|----------------------------------|--|
| 1. Type of Switcher: | 4x1 HDMI Switcher |
| 2. Type of Signal: | TMDS Digital Video PCM Digital Audio |
| 3. Compliant with HDMI standard: | HDMI and HDCP |
| 4. HDTV Support: | 1080p HDMI formats and UXGA
1600x1200 resolution |
| 5. Data Rates: | 250Mbps to 2.25 Gbps |
| 6. Pixel clocks: | 25MHz to 225 MHz |
| 7. HDMI Cable Distance: | 15 meters at 2.25Gbps |
| 8. Infrared frequency: | 38KHz |
| 9. Control: | RS232, IR, Select buttons (on the front panel) |
| 10. Safety Approvals: | CE, FCC, REACH, Erp, WEEE |
| 11. Dimensions: | 11.97"x6.06" x1.74"(304mm x154mm x44mm) |
| 12. Shipping Weight: | 1.4 kgs / 3.08 lb |
| 13. Power Supply: | DC 12V /1.25A Max
Use Universal Switch Type 50/60Hz, 100~240VAC |

SB-5608 8x1 HDMI ROUTING SWITCHER

Inputs : 8x HDMI
Outputs : 1x HDMI

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI SWITCHER



Ear Rack: 1U-440L

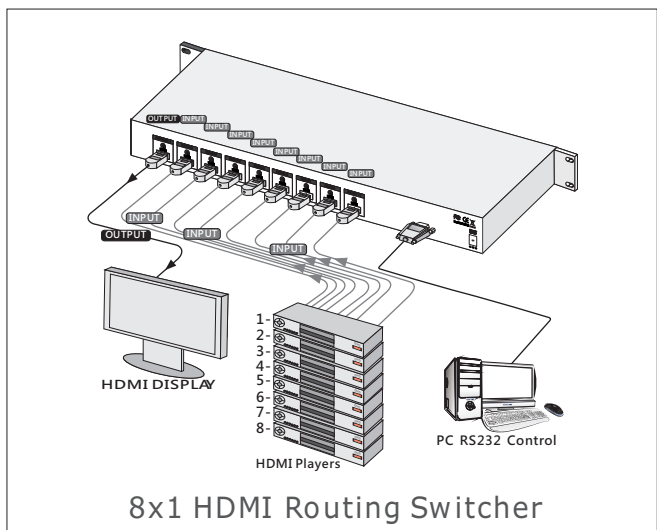
02

INTRODUCTION

The SB-5608 is a competitive, high performance switcher designed for HDMI signal, Support Digital Video TMDS format and Digital Audio via HDMI connectors.

Providing 8 inputs and 1 output. The Switcher support data rate up to 2.25Gbps. Also control any one of the 8 inputs to 1 output via press the selection buttons on the front panel. Control by selection buttons on the front panel, IR Remote controller and RS232 via a PC. This product is certified, and fully HDMI and HDCP compliant. The product approved the CE & FCC compliants. Support high resolution 1080p quality HDMI sources to a HDMI display, Monitor or Projector.

SB-5608 HDMI SWITCHER 8x1



FEATURES

- 1.Support 8:1 HDMI Switcher
- 2.Input: 8x HDMI
Output: 1x HDMI
- 3.Support HDMI Max Data Rate – 2.25Gbps
- 4.HDTV Compatible and HDCP compliant
- 5.Control by press buttons on the real panel
- 6.RS232 serial port interface on the rear panel
- 7.IR transceiver on the front panel
- 8.Input status with LED display

SPECIFICATIONS

- | | |
|----------------------------------|---|
| 1. Type of Switcher: | 8x1 HDMI Switcher |
| 2. Type of Signal: | TMDS Digital Video PCM Digital Audio |
| 3. Compliant with HDMI standard: | HDMI and HDCP |
| 4. HDTV Support: | 1080p HDMI formats and UXGA 1600x1200 |
| 5. Data Rates: | 250Mbps to 2.25 Gbps |
| 6. Pixel clocks: | 25MHz to 225 MHz |
| 7. HDMI Cable Distance: | 15 meters at 2.25Gbps |
| 8. Infrared frequency: | 38KHz |
| 9. Controls: | RS232, IR, Select buttons on the front panel |
| 10.Safety Approvals: | CE, FCC, VCCI, REACH, Erp, WEEE |
| 11.Dimension: | 17.41"x7.87" x1.74" (442mm x200mm x44mm) |
| 12.Shipping Weight: | 2.45 kgs / 5.4lb |
| 13.Power Supply: | DC 12V / 2A Max
Use Universal Switch Type50/60Hz, 100~240VAC |

SB-5612

12x2 HDMI ROUTING SWITCHER

Inputs : 12x HDMI
Outputs : 2x HDMI

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI SWITCHER



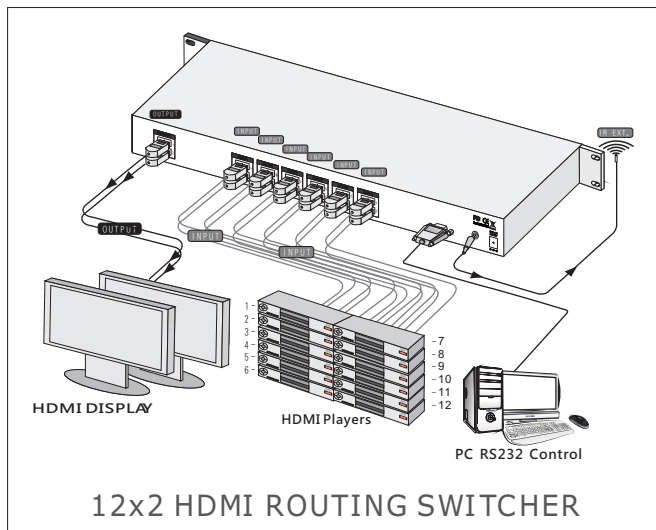
Ear Rack: 1U-440L

02

INTRODUCTION

The SB-5612 is a competitive high performance 12 inputs to 2 outputs routing switcher. Designed for HDMI signal, Support Digital Video TMDS format and Digital Audio via HDMI 19 Pin connectors. This product is certified as being fully HDMI and HDCP 2.0 compliant. Providing 12 HDMI device inputs and 2 HDMI device outputs. The Switcher support HDMI 1.4a 3D formats the data rate up to 2.25Gbps. Also control any one of the 12 inputs to 2 outputs via press the selection buttons on the front panel. Control by selection buttons on the front panel, IR Remote controller and RS232 via a PC. The product approved the CE & FCC compliant. Support high resolution 1080p quality HDMI sources to a HDMI display, monitor or projector.

SB-5612 HDMI ROUTING SWITCHER 12x2



12x2 HDMI ROUTING SWITCHER

FEATURES

- 1.Support 12 HDMI inputs to 2 HDMI outputs Routing Switcher
- 2.Input: 12x HDMI
Output: 2x HDMI
- 3.Support HDMI 1.4a 3D formats Max Data Rate 2.25Gbps
- 4.HDTV Compatible and HDCP 2.0 compliant
- 5.Control by press buttons on the front panel
- 6.Support the RS232 serial port interface
- 7.Support IR transceiver on the front panel and IR External device connection
- 8.Input status with LED display

SPECIFICATIONS

- | | |
|----------------------------------|---|
| 1. Type of Switcher: | 12x2 HDMI Routing Switcher |
| 2. Type of Signal: | TMDS Digital Video PCM Digital Audio |
| 3. Compliant with HDMI standard: | HDMI and HDCP 2.0 |
| 4. HDTV Support: | 1080p HDMI formats and UXGA 1600x1200 |
| 5. Data Rates: | Support 1.4a 3D formats, up to 2.25 Gbps |
| 6. Pixel clocks: | 225Mbps |
| 7. HDMI Cable Distance: | 15 meters (49 feet) |
| 8. Infrared frequency: | 38KHz |
| 9. Controls: | RS232,IR, IR Ext, Select buttons (on the front panel) |
| 10.Safety Approvals: | CE, FCC, REACH |
| 11.Dimensions: | 17.32"x7.87" x1.74" (440mm x200mm x44mm) |
| 12.Shipping Weight : | 2.45 Kgs / 5.4 lb |
| 13.Power Supply: | DC12V / 3A MAX
Universal Switch Type 50/60Hz, 100~240VAC |

SB-5616 16x2 HDMI ROUTING SWITCHER

Inputs : 16x HDMI
Outputs : 2x HDMI

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI SWITCHER

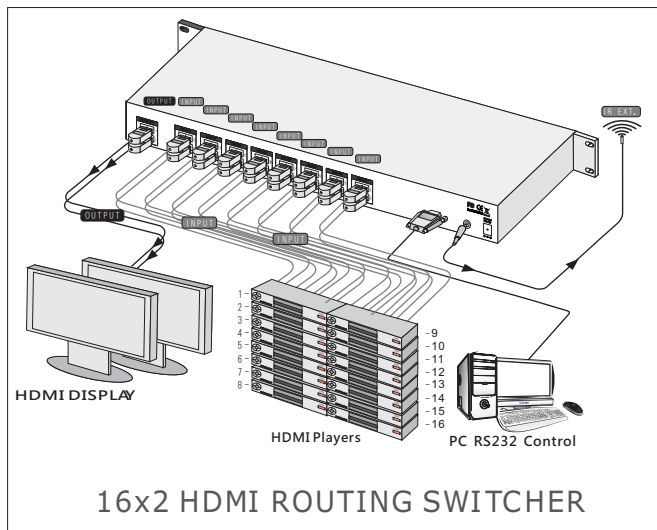


Ear Rack: 1U-440L

INTRODUCTION

The SB-5616 is a competitive high performance 16 inputs to 2 outputs routing switcher. Designed for HDMI signal, Support Digital Video TMDS format and Digital Audio via HDMI 19 Pin connectors. This product is certified as being fully HDMI and HDCP 2.0 compliant. Providing 16 HDMI device inputs and 2 HDMI device outputs. The Switcher support HDMI 1.4a 3D formats the data rate up to 2.25Gbps. Also control any one of the 16 inputs to 2 outputs via press the selection buttons on the front panel. Control by selection buttons on the front panel, IR Remote controller and RS232 via a PC. The product approved the CE & FCC compliants. Support high resolution 1080p quality HDMI sources to a HDMI display, monitor or projector.

SB-5616 HDMI ROUTING SWITCHER 16x2



FEATURES

- 1.Support 16 HDMI inputs to 2 HDMI outputs Routing Switcher
- 2.Input: 16x HDMI
Output: 2x HDMI
- 3.Support HDMI 1.4a 3D formats Max Data Rate 2.25Gbps
- 4.HDTV Compatible and HDCP 2.0 compliant
- 5.Control by press buttons on the front panel
- 6.Support the RS232 serial port interface
- 7.Support IR transceiver on the front panel and IR External device connection
- 8.Input status with LED display

SPECIFICATIONS

- | | |
|----------------------------------|---|
| 1. Type of Switcher: | 16x2 HDMI Routing Switcher |
| 2. Type of Signal: | TMDS Digital Video PCM Digital Audio |
| 3. Compliant with HDMI standard: | HDMI and HDCP 2.0 |
| 4. HDTV Support: | 1080p HDMI formats and UXGA 1600x1200 |
| 5. Data Rates: | Support 1.4a 3D formats, up to 2.25 Gbps |
| 6. Pixel clocks: | 225Mbps |
| 7. HDMI Cable Distance: | 15 meters (49 feet) |
| 8. Infrared frequency: | 38KHz |
| 9. Controls: | RS232, IR, IR EXT, Select buttons(on the front panel) |
| 10. Safety Approvals: | CE, FCC, REACH |
| 11. Dimensions: | 17.32"x7.87" x1.74" (440mm x200mm x44mm) |
| 12. Shipping Weight : | 2.45 Kgs / 5.4 lb |
| 13. Power Supply: | DC12V / 3A Max
Use Universal Switch Type 50/60Hz, 100~240VAC |

SB-5642LCM 4x2 HDMI MATRIX SWITCHER



Inputs : 4x HDMI
Outputs : 2x HDMI

HDMI MATRIX SWITCHER PRO



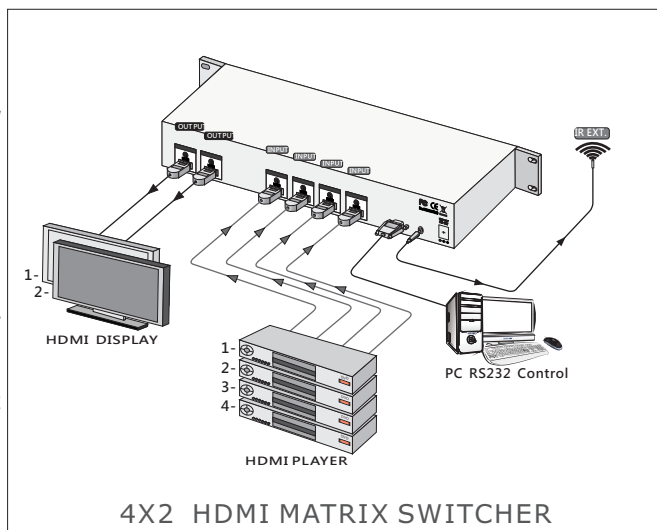
Ear Rack: 1U-440L

02

INTRODUCTION

The SB-5642LCM is high-performance 4x2 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 outputs simultaneously. The Switcher is certified and 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 eight (8) different modes and learning mode. Control is provided via front panel push buttons, IR remote or via RS232. A RS232 Windows GUI interface is provided for matrix routing.

SB-5642LCM HDMI MATRIX SWITCHER 4x2



4X2 HDMI MATRIX SWITCHER

FEATURES

- Support (4x) HDMI digital source devices Matrix switched to (2x) HDMI destinations.
- HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 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 RS232 port.
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 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 eight (8) select embedded EDID modes:
- Fast Speed Start⁹ Mode2-H24-3D/ H24-3D-M / H36-3D/ H36-3D-M/ DVI-D 1280x1024-60Hz/ DVI-D 1920x1200-60Hz/ AUTO.
- Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID,
- Support RS232 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 1800 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: (4)x inputs To (2)x Outputs HDMI Matrix Switcher.
- HDMI Support: HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth: Double Data Rates: 250Mhz, Total 2.25Gbps bandwidth.
- Digital Video Support: HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color (4)x HDMI (HDMI or DVI digital source).
- Input: (2)x HDMI (To 2x Destinations).
- Output: (2)x HDMI (To 2x 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.
- (13) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (2), 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)
- Dimensions: LxWxH=19" x 7.87" x 1.73" (482mm x 200mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 3A, Power Input: AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 1.85 Kgs / 4.07 lb

SB-5645LCM 4x4 HDMI MATRIX SWITCHER



Inputs : 4x HDMI
Outputs : 4x HDMI

HDMI MATRIX SWITCHER PRO



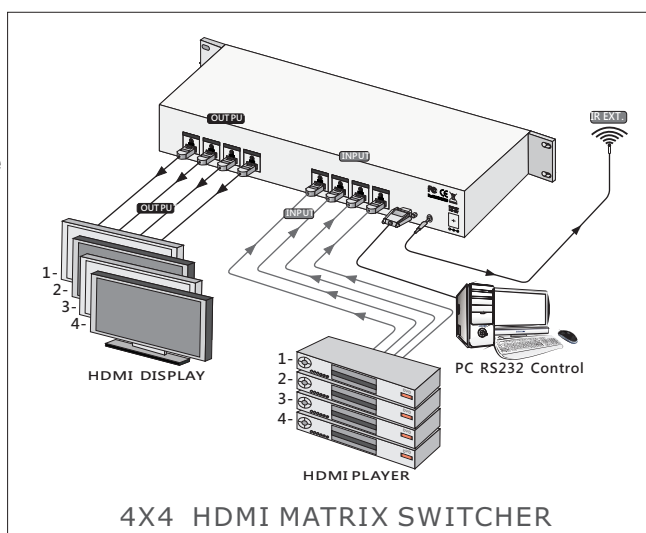
Ear Rack: 1U-440L

02

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 eight (8) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS232 Windows GUI interface is provided for matrix routing.

SB-5645LCM HDMI MATRIX SWITCHER 4x4



FEATURES

- Support (4x) HDMI digital source devices Matrix switched to (4x) HDMI destinations.
- HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 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 RS232 port.
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 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 eight (8) select embedded EDID modes:
- Fast Speed Start[®] H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ DVI-D 1280x1024-60Hz/ DVI-D 1920x1200-60Hz, Mode8:AUTO.
- Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID,
- Support RS232 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 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 Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 250Mhz, Total 2.25Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
- 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)
- Dimensions: LxWxH=19" x 7.87" x 1.73" (482mm x 200mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 3A, Power Input: AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 2.25 Kgs / 4.95 lb

SB-5645CT

4x4 HDMI CAT5e/6 MATRIX SWITCHER



Inputs : 4x HDMI (Digital video+Digital Audio)

HDBaseT | HDMI | MATRIX | SWITCHER | CAT5e/6

Outputs : 4x HDMI (Digital video+Digital Audio) , 4x CAT5e/6 Transmitter, 4x RS232 in/out , 4X IR in (IR To Room) and 4x IR out (IR from Room).



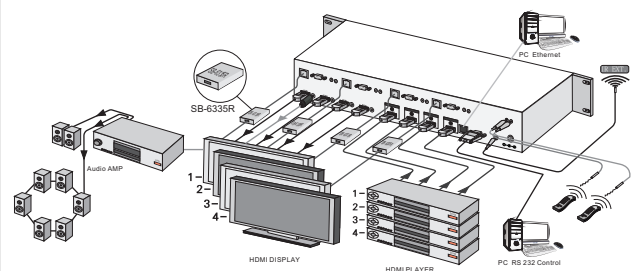
Ear Rack: 1U-440L

02

INTRODUCTION

The SB-5645CT is high-performance 4x4 matrix routing switcher for HDMI input. HDMI and CAT5e/6 output signals simultaneously. Switcher supports Bandwidth 225MHz, HDMI 1.4a 3D formats, data rates up to 3.2 Gbps, 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 and fully HDMI and HDCP 2.0 compliant, with CE, FCC certification. Support high resolution HDMI sources routed to HDMI displays, HDMI monitors, HDMI projectors or audio receivers. Support CAT5e/CAT6 and HDMI outputs simultaneously. CAT5e/6 connection on each output extends the HDMI signal to remote room via CAT5e/6 HDMI Receiver SB-6335R. The EDID can be selected between eight (8) different modes via source row. Control is provided via the front panel push buttons, IR remote, IR Ext. or via RS232. A RS232 interface is provided for matrix routing.

SB-5645CT HDMI CAT5e/6 MATRIX SWITCHER 4x4



4X4 HDMI CAT5e/6 MATRIX SWITCHER

FEATURES

- (4)x HDMI
- (4)x HDMI and (4)x HDBaseT Transmitter output to (4)x destinations.
- Application HDBaseT Specification with IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/6a/7) category cable.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.0 compliant
- Worldwide control EDID modes for HDMI full HD Video resolutions.
- Link speeds of up to 2.25 Gbps (link clock rate of 340MHz), Support 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions
- 480i/480p, 576i/576p, 720p, 1080i/p.
- Compatible with all HDMI source devices, PC monitors, Plasma HD display, HDTV and audio receivers or audio amplifiers.
- Digital Video TMDs formats Resolution up to 1080p with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2..
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide eight (8)x control function keys:
- Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - Embedded EDID modes :
 - FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ DVI-D 1280x1024-60Hz / DVI-D 1920x1200-60Hz/ AUTO
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

- Type of HDMI Switcher:
 - HDMI Support:
 - HDBaseT Support:
 - HDCP / CEC Support :
 - Video Bandwidth :
 - Digital Video Support :
 - Video Input :
 - Audio Input :
 - Video Output :
 - Audio Output :
 - HDBaseT Control In:
 - HDBaseT Control Out :
 - HDBaseT Control I/O:
 - Switch Controls :
 - Source Status :
 - (17) Function Control Keys:
 - (8) EDID management :
 - Infrared Frequency :
 - IR External Distance :
 - HDBaseT Extender Distance:
 - HDMI I/O Connector :
 - Temperature :
 - Dimensions :
 - Rack Mount :
 - Power Supply :
 - Safety Approvals :
 - Product Weight :
- 4x inputs To 4x Outputs HDMI over HDBaseT Matrix Switch
- HDMI 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- bi-directional IR, RS-232, Multi format Audio over one CATx cable.
- HDCP 2.0 Compliant, CEC Compliant.
- Double Data Rates: 340Mhz, Total 2.25Gbps bandwidth.
- HD-480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
- 4x HDMI (HDMI or DVI digital source).
- 4x HDMI (To Destination).
- 4xHDMI, 4x HDBaseT Transmitter with via category cable & RJ-45 connector
- 4x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- 4x IR in(Send IR signals To 4x Rooms via HDBaseT Transmitter)
- 1x ALL IR in (Send IR Signals To 4x Rooms - Via HDBaseT Transmitter)
- 4x IR out (Link to Receive IR signals from 4x Rooms via HDBaseT Extender)
- 1x ALL IR out (Link to Receive IR signals from 4x Rooms via HDBaseT Extender)
- 4x RS-232 I/O (Control 4x Rooms RS-232 via Switcher HDBaseT Extender Tx)
- 1x Select & Function buttons on front panel (Data status via LCM panel show out)
- 1x IR Remote Controller (switch control)
- 4x IR Room Remote Controller (switch control)
- 1x IR External port (switch control via 3.5mm OD Jack)
- 1x RS 232 series interface (switch control)
- Input status LEDs indicates presence of a live signal.
- 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8. Destination button (1) thru (4), 11. Source button (1) thru (4),
- Select Embedded EDID modes :
- Fast Speed Start[®], H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz
- DVI-D 1920x1200-60Hz, Auto
- Select LEARNING mode :
- Learning Destination EDID To Link Source.
- 38 KHz
- ~984 feet / 300 meters maximum.
- ~328 feet / 100 meters maximum.
- HDMI Type A - SMD 19pin Female Type
- Operating Temperature 32 °F ~ 100 °F (0 °C ~ 32 °C)
- LxWxH = 19" x 9.85" x 1.73"(482mm x 250mm x 44mm)
- 1RU High 19" Rack Mount #1U-440L (with rack mount)
- AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
- CE, FCC, REACH.
- 3.75 Kgs / 6.25 lb

SB-5648 4x8 HDMI MATRIX SWITCHER

Inputs : 4x HDMI
Outputs : 8x HDMI

HDMI MATRIX SWITCHER PRO

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

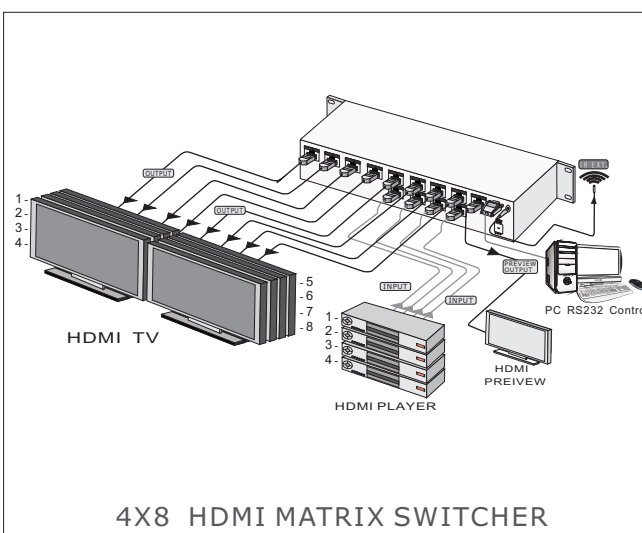


Ear Rack: 1U-440L

INTRODUCTION

The SB-5648 is high-performance 4x8 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 8 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 eight (8) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS232 Windows GUI interface is provided for matrix routing.

SB-5648 HDMI MATRIX SWITCHER 4x8



FEATURES

- Support (4)x HDMI digital source devices Matrix switched to (8)x HDMI destinations.
- HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 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.
- Support (1) Preview output, Signal as output #1 simultaneously.
- 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 RS232 port.
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Ethernet serial interface. (Switch Control)
 - Third party RS232 controller (via simple ASCII)
- Compatible with full HD high resolution Video player device and LCD/Prasma monitor displays or Projector.
- Direct selection and confirm via Front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support world wide eight (8) select embedded EDID modes:
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, AUTO.
- Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID,
- Support RS232 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 3880 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: (4)x inputs To (8)x Outputs HDMI Matrix Switcher.
- HDMI Support : HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 250Mhz, Total 2.25Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
- Input : (4)x HDMI (HDMI or DVI digital source).
- Output : (8)x HDMI (To 8x Destinations).
- Switch Controls :
 - (1)x HDMI (Preview output : Signal as output #1 simultaneously).
 - 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 Ethernet serial interface (RJ-45 8p8c female socket)
 - 1x RS 232 series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (19) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 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℃ - 32℃)
- Dimensions: LxWxH=19" x 9.84" x 1.73"(482mm x 250mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Power Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 3.45 Kgs / 7.59 lb

SB-5682

8x2 HDMI MATRIX SWITCHER

Inputs : 8x HDMI

Outputs : 2x HDMI+1x HDMI Preview Output

HDMI MATRIX SWITCHER PRO

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Ear Rack: 1U-440L

02

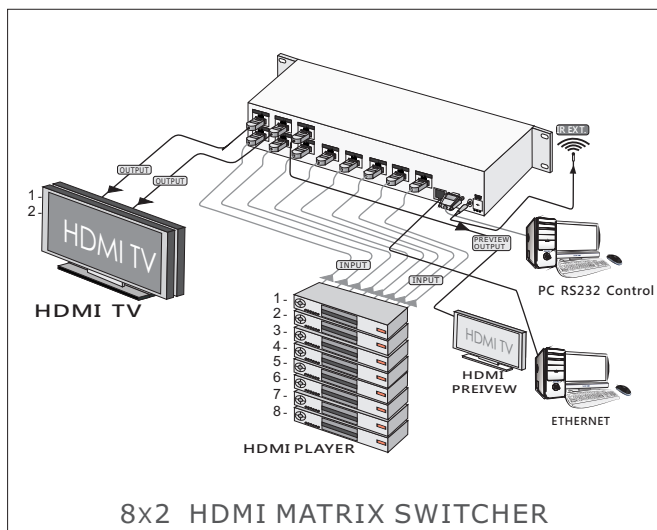
INTRODUCTION

The SB-5682 is high-performance 8x2 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 2 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 eight (8) different modes and learning mode.

Control is provided via Front panel push buttons, IR remote or via RS-232. An RS232 Windows GUI interface is provided for matrix routing.

SB-5682 HDMI MATRIX SWITCHER 8x2



FEATURES

- Support (8)x HDMI digital source devices Matrix switched to (2)x HDMI destinations.
- HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 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.
- Support (1) Preview output, Signal as output #1 simultaneously.
- 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 RS232 port.
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Ethernet serial interface. (Switch Control)
 - Third party RS232 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 (8) select embedded EDID modes:
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, AUTO.
- Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID,
- Support RS232 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 3880 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: (8)x inputs To (2)x Outputs HDMI Matrix Switcher.
- HDMI Support: HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth: Double Data Rates: 250MHz, Total 2.25Gbps bandwidth.
- Digital Video Support: HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color (8)x HDMI (HDMI or DVI digital source).
- Input: (8)x HDMI (To 2x Destinations).
- Output: (2)x HDMI (Preview output : Signal as output #1 simultaneously).
- 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 Ethernet serial interface (RJ-45 8p8c female socket)
 - 1x RS 232 series interface (switch control)
- Source Status: Input status LEDs indicates presence of a live signal.
- (17) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (2), 9.Source button (1) thru (8).
- 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)
- Dimensions: LxWxH=19" x 9.84" x 1.73" (482mm x 250mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Power Input: AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 3.05 Kgs / 6.71 lb

SB-5684LCM 8x4 HDMI MATRIX SWITCHER

Inputs : 8x HDMI

Outputs : 4x HDMI+1x HDMI Preview Output

HDMI MATRIX SWITCHER PRO

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Ear Rack: 1U-440L

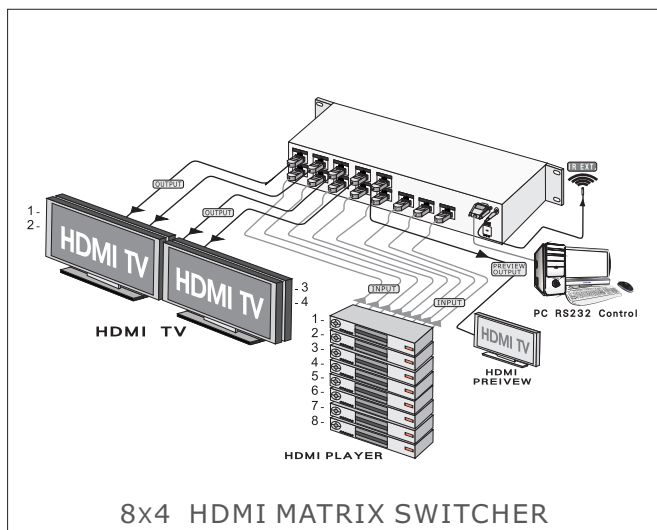
02

INTRODUCTION

The SB-5684LCM is high-performance 8x4 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 outputs simultaneously.

The Switcher is certified and 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 eight (8) different modes and learning mode. Control is provided via front panel push buttons, IR remote or via Rs232. A RS232 Windows GUI interface is provided for matrix routing.

SB-5684LCM HDMI MATRIX SWITCHER 8x4



FEATURES

- Support (8)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 2.0 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.
- Support (1) Preview output, Signal as output #1 simultaneously.
- 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 RS232 port.
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Ethernet serial interface. (Switch Control)
 - Third party RS232 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 eight (8) select embedded EDID modes:
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, AUTO.
- Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID,
- Support RS232 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 3880 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: (8)x inputs To (4)x Outputs HDMI Matrix Switcher.
- HDMI Support : HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 250MHz, Total 2.25Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
- Input : (8)x HDMI (HDMI or DVI digital source).
- Output : (4)x HDMI (To 4x Destinations).
- Switch Controls :
 - (1)x HDMI (Preview output : Signal as output #1 simultaneously).
 - 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 Ethernet serial interface (RJ-45 8p8c female socket)
 - 1x RS 232 series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (19) 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 (8).
- 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)
- Dimensions: LxWxH=19" x 9.84" x 1.73"(482mm x 250mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Powr Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 3.65 Kgs / 8.03 lb

SB-5685LCM 8x5 HDMI MATRIX SWITCHER

Inputs : 8x HDMI (Digital video+Digital Audio)
Outputs : 5x HDMI (Digital video+Digital Audio)

HDMI MATRIX SWITCHER PRO

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

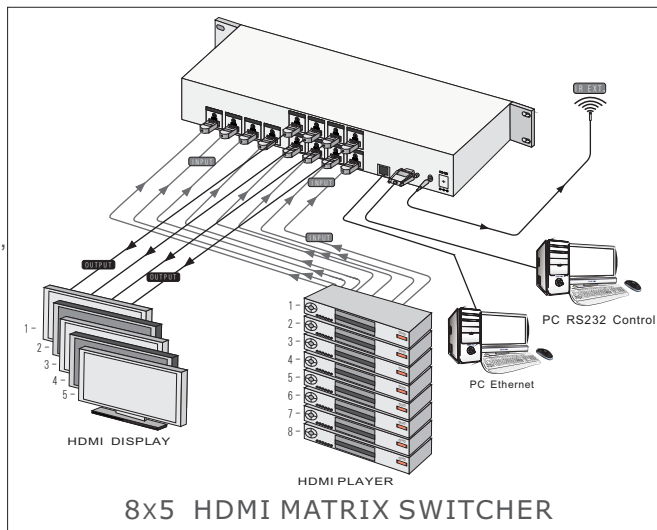


Rack: 1U-440L

INTRODUCTION

The SB-5685LCM is high-performance 8x5 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 8 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 eight (8) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS232 Windows GUI interface is provided for matrix routing.

SB-5685LCM HDMI MATRIX SWITCHER 8x5



FEATURES

- Support (8)x HDMI digital source devices Matrix switched to (5)x HDMI destinations.
- HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 compliant.
- Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit.
- 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.
- Support Digital Video TMDS in Deep Color 36 bits, 3D formats.
- Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plus/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 RS232 port.
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Ethernet serial interface. (Switch Control)
 - Third party RS232 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 eight (8) select embedded EDID modes:
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, AUTO.
- Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID.
- Support RS232 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 3880 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: (8)x inputs To (5)x Outputs HDMI Matrix Switcher.
- HDMI Support : HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 225MHz, Total 2.25Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
- Input : (8)x HDMI (HDMI or DVI digital source).
- Output : (5)x HDMI (To 5x 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 Ethernet serial interface (RJ-45 8p8c female socket)
 - 1x RS 232 series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (20) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (5), 9.Source button (1) thru (8).
- 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)
- Dimensions: LxWxH = 19 "x 9.84 " x 1.73 "(482mm x 250mm x 44mm)
- Rack Mount: 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Powr Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 3.70 Kgs / 8.14 lb 1x Ethernet serial interface (RJ-45 8p8c female socket)

SB-5688LCM 8x8 HDMI MATRIX SWITCHER

Inputs : 8x HDMI (Digital video+Digital Audio)
Outputs : 8x HDMI (Digital video+Digital Audio)

HDMI MATRIX SWITCHER PRO

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

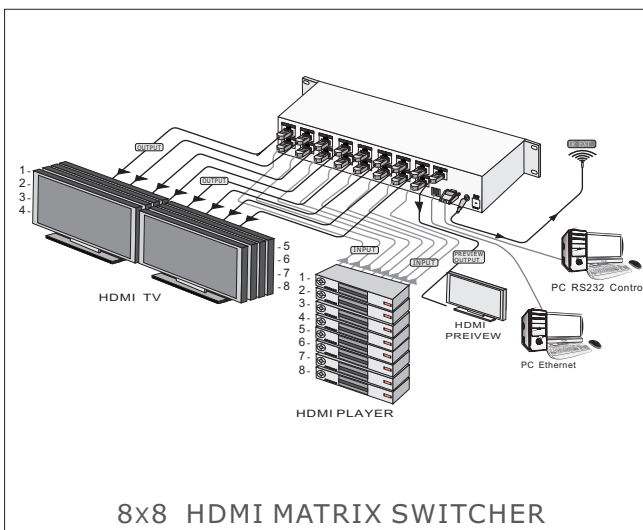


Ear Rack: 1U-440L

INTRODUCTION

The SB-5688LCM is high-performance 8x8 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 8 outputs simultaneously. The Switcher is certified as being fully HDMI and HDCP compliant, with CE, FCC, REACH certification. Support high resolution HDMI sources routed to HDMI displays, monitors, projector or audio receivers. The EDID can be selected between eight (8) different modes and learning mode. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS232 Windows GUI interface is provided for matrix routing.

SB-5688LCM HDMI MATRIX SWITCHER 8x8



8x8 HDMI MATRIX SWITCHER

FEATURES

- Support (8)x HDMI digital source devices Matrix switched to (8)x HDMI destinations.
- HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 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 RS232 port.
 - Front Panel push buttons
 - IR wireless remote controller
 - IR External port (Switch Control)
 - Third party RS232 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)
- Supports Eight (8) worldwide standard embedded EDID modes:
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M,
 - DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, AUTO.
- Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID,
- Support RS232 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
- Power supply DC12V, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: (8)x inputs To (8)x Outputs HDMI Matrix Switcher.
- HDMI Support : HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 250MHz, Total 2.25Gbps bandwidth.
- Digital Video Support : HD-480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
- Input : (8)x HDMI (HDMI or DVI digital source).
- Output : (8)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: ALL, OFF, RECALL, ENTER, MEMORY, LOCK, EDID, Destination button (1) thru (4), 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)
- Dimensions: LxWxH=19 "x 7.87 " x 1.73 "(482mm x 200mm x 44mm)
- Rack Mount: 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Power Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 2.25 Kgs / 4.95 lb

SB-5688A 8x8 HDMI MATRIX SWITCHER

Inputs : 8x HDMI (Digital video+Digital Audio)
Outputs : 8x HDMI (Digital video+Digital Audio)

HDMI MATRIX SWITCHER PRO

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE



Ear Rack: 1U-440L

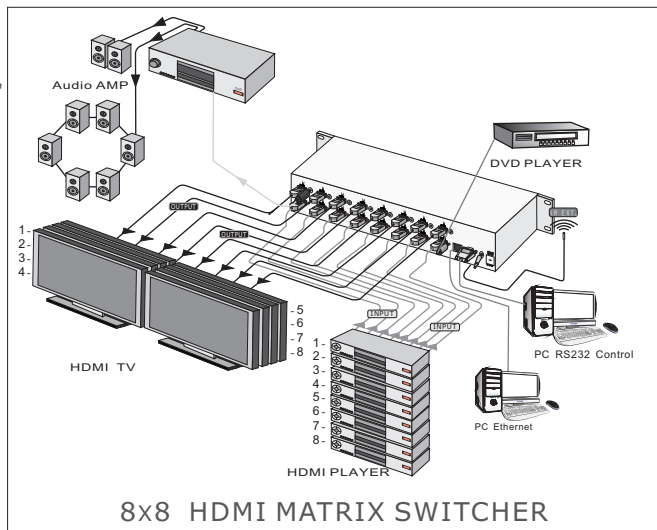
02

INTRODUCTION

The SB-5688A is high-performance 8x8 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 8 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 eight (8) different modes. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS232 Windows GUI interface is provided for matrix routing.

SB-5688A HDMI MATRIX SWITCHER 8x8



FEATURES

- (8)x HDMI with Auxiliary Audio (Analog Audio) source devices matrix switched to (8)x HDMI with S/PDIF output destinations.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full HD Video resolutions.
- Link speeds of up to 2.25 Gbps (link clock rate of 340MHz), 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p.
- Digital Video TMDS formats Resolution up to 1080P with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2..
- Audio Input : Support Audio (2-ch stereo analog audio only).
- Audio Output : Support Digital audio S/PDIF (from HDMI source)
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide seven (7)x control function keys:
Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - Embedded EDID modes :
 - Fast Speed Start® / H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ DVI-D 1280x1024-60Hz / DVI-D 1920x1200-60Hz/ AUTO
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: 8x inputs To 8x Outputs HDMI Matrix Switch with Audio
- HDMI Support: HDMI 1080P @60Hz, H36-bit Deep color, 3D of HDMI V1.4a formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth: Double Data Rates: 340Mhz, Total 2.25Gbps bandwidth.
- Digital Video Support: HD:480i/ 480p/ 720p/ 1080i/p 36bit deep color
- Video Input : HDMI 8x HDMI (HDMI or DVI digital source).
- Audio Input : 8x Audio (2-ch stereo analog only, 3.5mm OD Jack).
- Video Output : HDMI 8x HDMI (To Destination).
- Audio Output : 8x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio.
8x HDMI : Multi-channel Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- 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)
 - 1x Ethernet series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (17) Function Control Keys: ALL, OFF, RECALL, ENTER, MEMORY, LOCK, EDID, Destination button (1) thru (4), Source button (1) thru (4).
- (8) EDID management :
 - Select Embedded EDID modes :
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, Auto,
 - Select LEARNING mode :
 - Learning Destination EDID To Link Source.
- 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)
- Dimensions: LxWxH=19" x 9.85" x 1.73"(482mm x 250mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Power Input : AC 100-240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight : 2.15 Kgs / 3.58 lb

SB-5688CT

8x8 HDMI CAT5e/6 MATRIX SWITCHER



Inputs : 8x HDMI (Digital video+Digital Audio)

HDBaseT | HDMI | MATRIX | SWITCHER | CAT5e/6

Outputs : 8x HDMI (Digital video+Digital Audio) , 8x CAT5e/6 Transmitter, 8x RS232 in/out , 8X IR in (IR To Room).



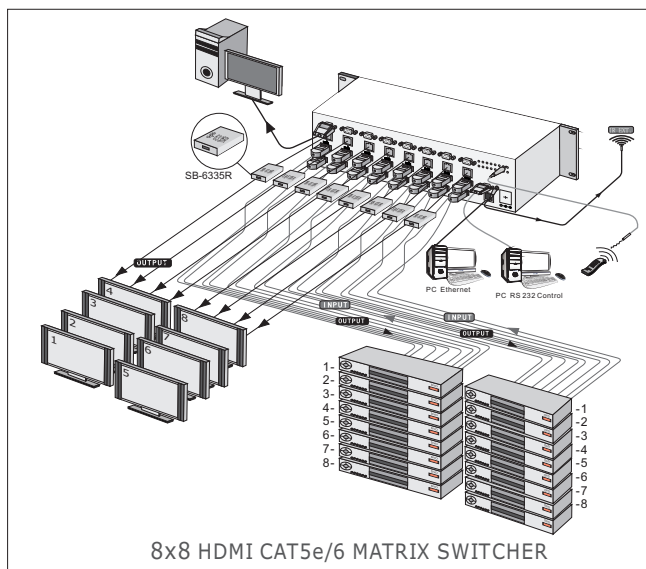
Ear Rack: 2U-440L

02

INTRODUCTION

The SB-5688CT is high-performance 8x8 matrix routing switcher for HDMI input. HDMI and CAT5e/6 output signals simultaneously. Switcher supports Bandwidth 225MHz, HDMI 1.4a 3D formats, data rates up to 3.2 Gbps, UXGA /WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified and fully HDMI and HDCP 2.0 compliant, with CE, FCC certification. Support high resolution HDMI sources routed to HDMI displays, HDMI monitors, HDMI projectors or audio receivers. Support CAT5e/CAT6 and HDMI outputs simultaneously. 1 CAT5e/6 connection on each output extends the HDMI signal to remote room via CAT5e/6 HDMI Receiver SB-6335R. The EDID can be selected between eight (8) different modes via source row. Control is provided via the front panel push buttons, IR remote or via RS232. A RS232 Windows GUI interface is provided for matrix routing.

SB-5688CT HDMI CAT5e/6 MATRIX SWITCHER 8x8



FEATURES

- (8)x HDMI player devices matrix switched to (8)x HDMI and (8)x HDBaseT Transmitter to (8)x destinations.
- Application HDBaseT Specification with PoE, IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/6a/7) category cable.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.0 compliant
- Worldwide control EDID modes for HDMI full HD Video resolutions.
- Link speeds of up to 2.25 Gbps (link clock rate of 340MHz), Support HDMI 1080P, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p.
- Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2..
- Audio Input : Support Standard HDMI Multi-channel Audio (Digital audio).
- Audio Output : Support Standard HDMI Multi-channel Audio (Digital audio).
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support Seven (7) worldwide control function keys:
 - Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support Eight (8) worldwide standard Embedded EDID modes :
 - Embedded EDID modes :
 - FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ DVI-D 1280x1024-60Hz / DVI-D 1920x1200-60Hz/ AUTO
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

- Type of HDMI Switcher : 8x inputs To 8x Outputs HDMI-HDBaseT Matrix Switch
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDBaseT Support : bi-directional IR, RS-232, Multi format Audio over one CATx cable.
- HDCP / CEC Support : HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 2.25Gbps bandwidth.
- Digital Video Support : HD/480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
- Video Input : 8x HDMI (HDMI or DVI digital source).
- Video Output : 8x HDMI (To Destination).
- Audio Output : 8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- HDBaseT Control in: 8x IR in (Send IR signals To 8x Rooms via HDBaseT Transmitter)
- HDBaseT Control out : 1x ALL IR in (Send IR Signals To 8x Rooms - Via HDBaseT Transmitter)
- HDBaseT Control out : 8x IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender)
- HDBaseT Control I/O: 1x ALL IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender)
- Switch Controls: 8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
- Switch Controls: 1x Select & Function buttons on front panel (Data status via LCM panel show out)
- Switch Controls: 1x IR Remote Controller (switch control)
- Switch Controls: 8x IR Room Remote Controller (switch control)
- Switch Controls: 1x IR External port (switch control via 3.5mm OD Jack)
- Switch Controls: 1x RS 232 series interface (switch control)
- Switch Controls: 1x Ethernet series interface (switch control)
- Source Status: Input status LEDs indicates presence of a live signal.
- (23) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (8).
- (8) EDID management :
 - Select Embedded EDID modes :
 - Fast Speed Start® , H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, Auto,
 - Select LEARNING mode :
 - Learning Destination EDID To Link Source.
- Infrared Frequency: 38 KHz
- IR External Distance: ~984 feet / 300 meters maximum.
- HDBaseT Extend Distance: ~328 feet / 100 meters maximum.
- HDMI I/O Connector: HDMI Type A - SMD 19pin Female Type
- Temperature: Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
- Dimensions: LxWxH=19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
- Rack Mount: 2RU High 19" Rack Mount #2U-440L (with rack mount)
- Power Supply: AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 3.75 Kgs / 6.25 lb

SB-5645AK

4x4 HDMI Matrix Switch with Auxiliary Audio

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

4K/2K
CAPABLE

Inputs : 4x HDMI , 4x Auxiliary Audio (Stereo Audio)

Outputs : 4x HDMI , 4x S/PDIF or ARC (TV Return Channel Audio)

PRO MATRIX HDMI S/PDIF ARC AUXILIARY

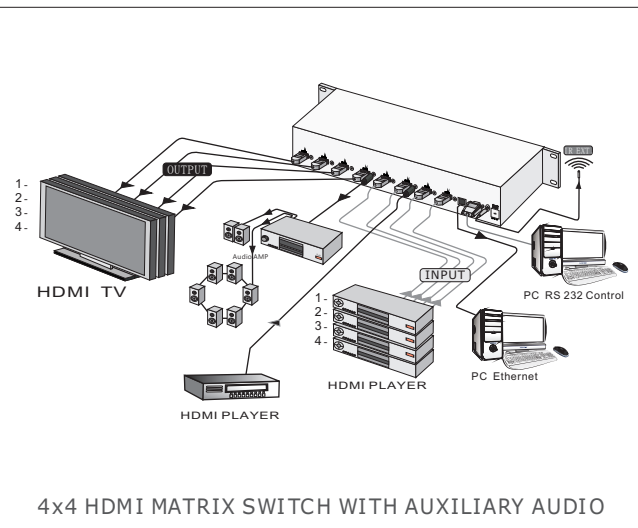


Ear Rack: 1U-440L

INTRODUCTION

The SB-5645AK is professional 4x4 matrix routing switch. Supporting four (4) HDMI Inputs and (4) Auxiliary Audio Inputs. Output supported (4) HDMI and (4) SPDIF audio. The SB-5645AK is based on the HDMI standard and supports full resolution HDMI Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (4) Inputs to (4) outputs. The Switcher is certified as being fully CEC , ARC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5688AK has 1x HDMI and Auxiliary Audio(analog stereo audio) connector for Input, effectively making this an 8 in x8 out switcher. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-5645AK 4x4 HDMI Matrix Switch with Auxiliary Audio



FEATURES

- Four (4)x HDMI with Auxiliary Audio (Analog Audio) source devices matrix switched to Four (4)x HDMI with S/PDIF output destinations.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.0 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p and 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2..
- Audio Input : Support Auxiliary Audio (Analog stereo audio).
- Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide (9)x control function keys:
 - Full function front panel controls: ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - Embedded EDID modes :
 - FSS® H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: 4x inputs To 4x Outputs HDMI Matrix Switch with Audio
- HDMI Support: HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support: HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth: Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support: HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Video Input : HDMI 4x HDMI (HDMI or DVI digital source).
- Audio Input : 4x Audio (Analog Stereo, AUX port. 3.5mm Jack).
- Video Output : HDMI 4x HDMI (To Destination).
- Audio Output : 4x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio.
- 4x ARC : TV Return Channel Audio.
- 4x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- 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)
 - 1x Ethernet series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (17) Function Control Keys: 1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 8.Destination button (1) thru (4), 9.Source button (1) thru (4).
- (8) EDID management :
 - Select Embedded EDID modes :
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D_PCM-2CH, DVI-D 1920x1200-60Hz
 - Select LEARNING mode :
 - Learning Destination EDID To Link Source.
- 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)
- Dimensions: LxWxH=19" x 9.85" x 1.73"(482mm x 250mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Power Input : AC 100-240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight : 2.15 Kgs / 3.58 lb

SB-5645CAK

4x4 HDMI & HDBaseT Matrix Switch with Auxiliary Audio I/O



Inputs : 4x HDMI , 4x Auxiliary Audio

PRO MATRIX HDMI HDBaseT S/PDIF ARC AUXILIARY

Outputs : 4x HDMI , 4x S/PDIF or ARC, 4x HDBaseT Transmitter, 4x HDBaseT RS232 in/out, 4x HDBaseT IR in/out



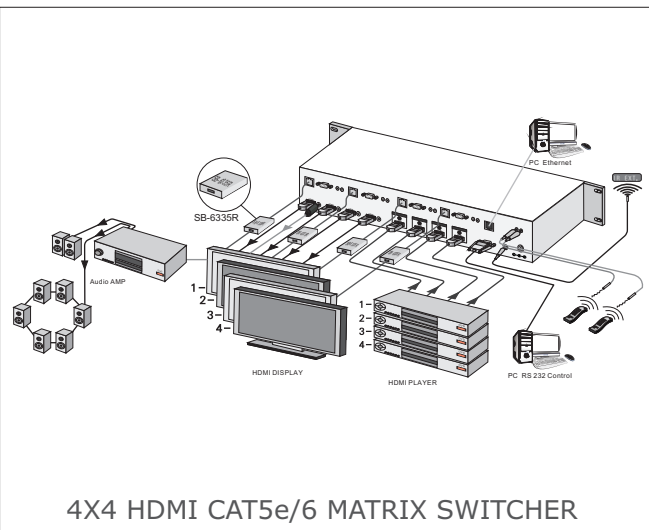
Ear Rack: 1U-440L

02

INTRODUCTION

The SB-5645CAK is professional 4x4 matrix routing switch. Supporting four (4) HDMI Inputs and (4) Auxiliary Audio Inputs. Output supported (4) HDMI, (4) SPDIF and (4) HDBASET (PoE). The SB-5645CAK is based on the HDBaseT standard and supports full resolution HDMI Video with embedded EDID and PoE function (optional), Audio, RS-232, Ethernet and bi-directional IR, all over a single CATx cable. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (4) Inputs to (8) outputs simultaneously (channel outputs mirrored). The Switcher is certified as being fully CEC, ARC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5645CAK has 1x HDMI and Auxiliary Audio (analog stereo audio) connector for Input, effectively making this an 4 in x8 out switcher (same signal on both outputs). Using IR remote the switcher's HDBaseT Extender Transmitter (Tx) allows you to connect a source in a remote location. Likewise, the HDBaseT Output and our HDBaseT Receiver allows you to connect a display in a remote location. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-5645CAK HDMI CAT5e/6 MATRIX SWITCHER 4x4



4X4 HDMI CAT5e/6 MATRIX SWITCHER

FEATURES

- (4)x HDMI with Auxiliary Audio (Analog Audio) player devices matrix switched to (4)x HDMI with S/PDIF outputs and (4)x HDBaseT Transmitter output to (4)x destinations.
- Application HDBaseT Specification with IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/6a/7) category cable.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant.
- Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions.
- 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plus/EX,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2.
- Audio Input : Support Auxiliary Audio (Analog stereo audio).
- Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide (9)x control function keys:
 - Full function front panel controls: ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - Embedded EDID modes :
 - FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

- Type of HDMI Switcher:
 - HDMI Support:
 - HDBaseT Support:
 - HDCP / CEC Support :
 - Video Bandwidth :
 - Digital Video Support :
 - Video Input :
 - Audio Input :
 - Video Output :
 - Audio Output :
 - HDBaseT Control In:
 - HDBaseT Control Out :
 - HDBaseT Control I/O:
 - Switch Controls :
 - Source Status :
 - (17) Function Control Keys :
 - (8) EDID management :
 - Infrared Frequency :
 - IR External Distance :
 - HDBaseT Extender Distance:
 - HDMI I/O Connector :
 - Temperature :
 - Dimensions :
 - Rack Mount :
 - Power Supply :
 - Safety Approvals :
 - Product Weight :
- 4x inputs To 4x Outputs HDMI over HDBaseT Matrix Switch with Audio and Extension HDMI 4K2K, 1080p @60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats, bi-directional IR, RS-232, Multi format Audio and Ethernet over one CATx cable. HDCP 2.2 Compliant, CEC Compliant, Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth. HD-480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color 4x HDMI (HDMI or DVI digital source). 4x Audio (Analog Stereo, AUX port: 3.5mm Jack). 4x HDMI (To Destination). 4x HDBaseT Transmitter with via category cable & RJ-45 connector 4x S/PDIF : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, 4x ARC : TV Return Channel Audio. 4x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH) 4x IR in (Send IR signals To 4x Rooms via HDBaseT Transmitter) 1x ALL IR in (Send IR Signals To 4x Rooms - Via HDBaseT Transmitter) 4x IR out (Link to Receive IR signals from 4x Rooms via HDBaseT Extender) 1x ALL IR out (Link to Receive IR signals from 4x Rooms via HDBaseT Extender) 1x LAN (All Switcher HDBaseT Transmitter Ethernet link to HDBaseT Receiver) 4x RS-232 I/O (Control 4x Rooms RS-232 via Switcher HDBaseT Extender Tx) 1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 4x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control) Input status LEDs indicates presence of a live signal. 1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10. Destination button (1) thru (4), 11. Source button (1) thru (4), - Select Embedded EDID modes : Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz. - Select LEARNING mode : Learning Destination EDID To Link Source. 38 KHz ~984 feet / 300 meters maximum. ~328 feet / 100 meters maximum. HDMI Type A - SMD 19pin Female Type Operating Temperature 32 °F - 100 °F (0 °C - 32 °C) LxWxH = 19" x 9.85" x 1.73" (482mm x 250mm x 44mm) 1RU High 19" Rack Mount #1U-440L (with rack mount) AC 100-240 VAC 50/60Hz (Power Consumption:10A Maximum) CE, FCC, REACH. 3.75 Kgs / 8.25 lb

SB-5688K

8x8 HDMI Matrix Switcher

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

4K/2K
CAPABLE

PRO MATRIX HDMI AUDIO

Inputs : 8x HDMI (Digital Video TMDS / Digital Audio)

Outputs : 8x HDMI (Digital Video TMDS / Digital Audio)

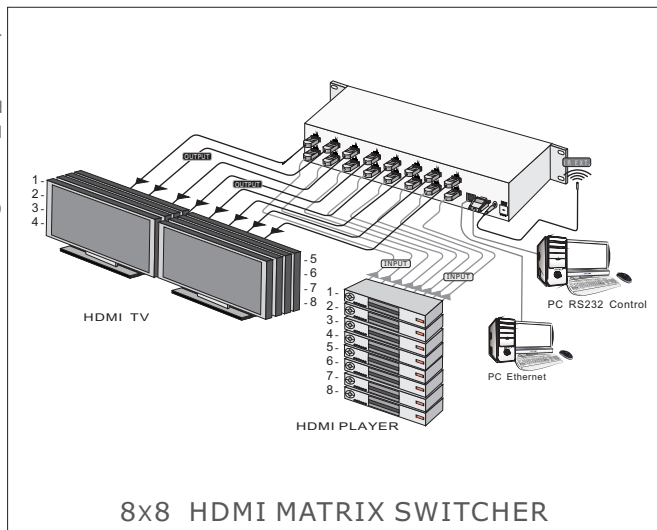


Ear Rack: 1U-440L

INTRODUCTION

The SB-5688K is professional 8x8 matrix routing switch. Supporting eight (8) HDMI Inputs. Output supported (8) HDMI port. The SB-5688K is based on the HDMI standard 4k2k and supports full resolution HDMI Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (8) Inputs to (8) outputs. The Switcher is certified as being fully CEC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5688K has 1x HDMI connector for Input, effectively making this an 8 in x8 out switcher. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-5688K HDMI Matrix Switcher 8x8



FEATURES

- (8)x HDMI source devices matrix switched to (8)x HDMI output destinations.
- HDMI digital Video TMDS w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2..
- Audio Input : Support HDMI standard multi-channel digital audio.
- Audio Output : Support HDMI standard multi-channel digital audio.
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide seven (7)x control function keys:
 - Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - Embedded EDID modes :
 - FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz/ AUTO
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: 8x inputs To 8x Outputs HDMI Matrix Switcher
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support: HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Input : 8x HDMI (HDMI or DVI digital source).
- Output : 8x HDMI (To Destination).
- 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)
 - 1x Ethernet series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (23) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (8).
- (8) EDID management:
 - Select Embedded EDID modes :
 - Fast Speed Start® H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz.
 - Select LEARNING mode :
 - Learning Destination EDID To Link Source.
- 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)
- Dimensions: LxWxH=19" x 9.85" x 1.73"(482mm x 250mm x 44mm)
- Rack Mount: 1RU High 19" Rack Mount #1U-440L (with rack mount)
- Power Supply: DC12V, 5A, Powr Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 3.25 Kgs / 5.42 lb

SB-5688AK

8x8 HDMI Matrix Switch with Auxiliary Audio

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

4K/2K
CAPABLE

Inputs : 8x HDMI , 8x Auxiliary Audio (Stereo Audio)

Outputs : 8x HDMI , 8x S/PDIF or ARC (TV Return Channel Audio)

PRO MATRIX HDMI S/PDIF ARC AUXILIARY



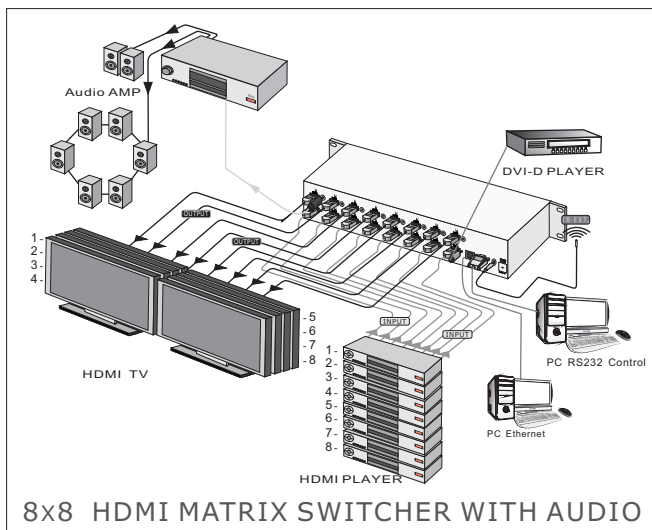
Ear Rack:1U-440L

02

INTRODUCTION

The SB-5688AK is professional 8x8 matrix routing switch. Supporting eight (8) HDMI Inputs and (8) Auxiliary Audio Inputs. Output supported (8) HDMI and (8) SPDIF audio. The SB-5688AK is based on the HDMI standard and supports full resolution HDMI Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (8) Inputs to (8) outputs. The Switcher is certified as being fully CEC , ARC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5688AK has 1x HDMI and Auxiliary Audio (analog stereo audio) connector for Input, effectively making this an 8 in x8 out switcher. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-5688AK 8x8 HDMI Matrix Switcher with Auxiliary Audio



8X8 HDMI MATRIX SWITCHER WITH AUDIO

FEATURES

- (8)x HDMI with Auxiliary Audio (Analog Audio) source devices matrix switched to (8)x HDMI with S/PDIF output destinations.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2.
- Audio Input : Support Auxiliary Audio (Analog stereo audio).
- Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide (9)x control function keys:
 - Full function front panel controls: ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - a. Embedded EDID modes :
 - FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz
 - b. External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher: 8x inputs To 8x Outputs HDMI Matrix Switch with Audio and Extension
- HDMI Support: HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340MHz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Video Input : 8x HDMI (HDMI or DVI digital source).
- Audio Input : 8x Audio (Analog Stereo, AUX port. 3.5mm Jack).
- Video Output : 8x HDMI (To Destination).
- Audio Output : 8x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio.
8x ARC : TV Return Channel Audio.
8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- 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)
 - 1x Ethernet series interface (switch control)
- Source Status: Input status LEDs indicates presence of a live signal.
- (25) Function Control Keys: 1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10. Destination button (1) thru (8), 11.Source button (1) thru (8).
- (8) EDID management :
 - Select Embedded EDID modes :
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz.
 - Select LEARNING mode :
 - Learning Destination EDID To Link Source.
- 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)
- Dimensions : LxWxH=19 "x 9.85 " x 1.73 "(482mm x 250mm x 44mm)
- Rack Mount : 1RU High 19 "Rack Mount #1U-440L (with rack mount)
- Power Supply : DC12V, 5A, Power Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 3.75 Kgs / 6.25 lb

SB-5688CK

8x8 HDMI-HDBaseT Over Single CATx Matrix Routing Switch



PRO MATRIX HDMI HDBASET

Inputs : 8x HDMI (Digital Video TMDS, and Digital Audio)

Outputs : 8x HDMI , 8x HDBaseT Transmitter (8x HDBaseT, 8x RS232 in/out and 8x IR in/out)



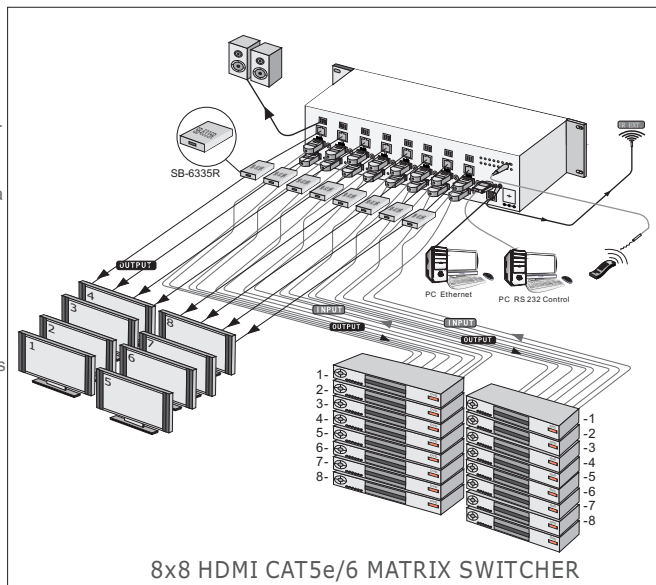
Ear Rack: 2U-440L

02

INTRODUCTION

The SB-5688CK is professional 8x8 matrix routing switch. Supporting eight (8) HDMI Inputs. Output supported (8) HDMI and 8 HDBASET (PoE). The SB-5688CK is based on the HDBaseT standard and supports full resolution HDMI Video with embedded EDID and PoE function, Audio, RS-232, Ethernet and bi-directional IR, all over a single CATx cable. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (8) Inputs to (16) outputs simultaneously (channel outputs mirrored). The Switcher is certified as being fully CEC , ARC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5688CK has 1x HDMI and Auxiliary Audio (analog stereo audio) connector for Input, effectively making this an 8 in x16 out switcher (same signal on both outputs). Using IR remote the switcher's HDBaseT Extender Transmitter (Tx) allows you to connect a source in a remote location. Likewise, the HDBaseT Output and our HDBaseT Receiver allows you to connect a display in a remote location. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-5688CK HDMI CAT5e/6 MATRIX SWITCHER 8x8



8x8 HDMI CAT5e/6 MATRIX SWITCHER

FEATURES

- (8)x HDMI player devices matrix switched to (8)x HDMI and (8)x HDBaseT Transmitter with PoE output to (8)x destinations.
- Application HDBaseT Specification with PoE, IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/6a/7) category cable.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions
- 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support : - Dolby TrueHD, - Dolby Digital, - Dolby Digital Plus/ex, - DTS, - DTS-HD, - DTS-HD Master, - DTS-EX - PCM, PCM2, LPCM2..
- Audio Input : Support Standard HDMI Multi-Channel Audio (Digital audio).
- Audio Output : Support Standard HDMI Multi-Channel Audio (Digital audio).
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide (7)x control function keys:
 - Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes:
 - a. Embedded EDID modes : FSSI/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz
 - b. External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

- Type of HDMI Switcher : 8x inputs To 8x Outputs HDMI-HDBaseT Matrix Switch
- HDMI Support: HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDBaseT Support : bi-directional IR, RS-232, Multi format Audio over one CATx cable.
- HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Video Input : 8x HDMI (HDMI or DVI digital source).
- Video Output : 8x HDMI (To Destination).
- Audio Output : 8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH) (Send IR signals To 8x Rooms via HDBaseT Transmitter)
- HDBaseT Control in: 8x IR in (Send IR Signals To 8x Rooms - Via HDBaseT Transmitter)
- HDBaseT Control out : 8x IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender)
- HDBaseT Control I/O: 1x ALL IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender)
- Switch Controls: 8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
 - 1x Select & Function buttons on front panel (Data status via LCM panel show out)
 - 1x IR Remote Controller (switch control)
 - 8x IR Room Remote Controller (switch control)
 - 1x IR External port (switch control via 3.5mm OD Jack)
 - 1x RS 232 series interface (switch control)
 - 1x Ethernet series interface (switch control)
- Source Status: Input status LEDs indicates presence of a live signal.
- (23) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (8).
- (8) EDID management :
 - Select Embedded EDID modes : Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz,
 - Select LEARNING mode : Learning Destination EDID To Link Source.
- Infrared Frequency: 38 KHz
- IR External Distance: ~984 feet / 300 meters maximum.
- HDBaseT Extend Distance: ~328 feet / 100 meters maximum.
- HDMI I/O Connector: HDMI Type A - SMD 19pin Female Type
- Temperature: Operating Temperature 32 F - 100 F (0 C - 32 C)
- Dimensions: LxWxH=19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
- Rack Mount: 2RU High 19" Rack Mount #2U-440L (with rack mount)
- Power Supply: AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
- Safety Approvals: CE, FCC, REACH.
- Product Weight: 3.75 Kgs / 6.25 lb

SB-5688CAK

8x8 HDMI & HDBaseT Matrix Switch with Auxiliary Audio I/O



PRO MATRIX HDMI HDBaseT S/PDIF ARC AUXILIARY

Inputs : 8x HDMI , 8x Auxiliary Audio

Outputs : 8x HDMI , 8x S/PDIF or ARC, 8x HDBaseT Transmitter, 8x HDBaseT RS232 in/out, 8x HDBaseT IR in/out

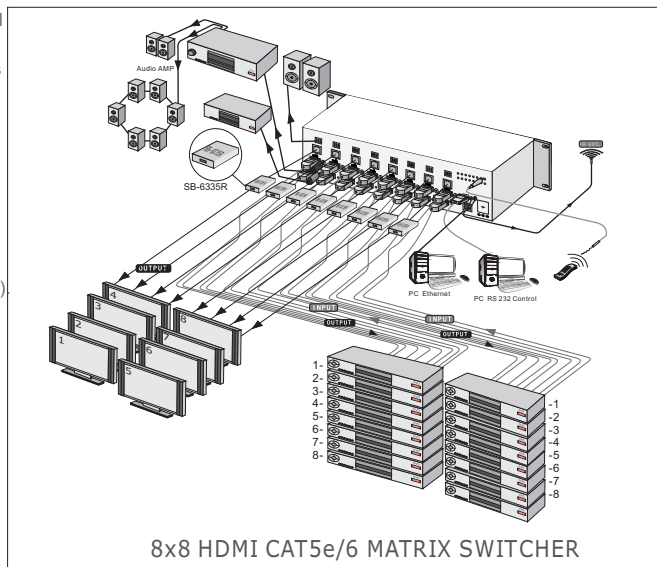


Ear Rack: 2U-440L

INTRODUCTION

The SB-5688CAK is professional 8x8 matrix routing switch. Supporting eight (8) HDMI Inputs and (8) Auxiliary Audio Inputs. Output supported (8) HDMI, (8) SPDIF and 8 HDBASET (PoE). The SB-5688CAK is based on the HDBaseT standard and supports full resolution HDMI Video with embedded EDID and PoE function (optional), Audio, RS-232, Ethernet and bi-directional IR, all over a single CATx cable. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (8) Inputs to (16) outputs simultaneously (channel outputs mirrored). The Switcher is certified as being fully CEC , ARC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5688CAK has 1x HDMI and Auxiliary Audio (analog stereo audio) connector for Input, effectively making this an 8 in x16 out switcher (same signal on both outputs). Using IR remote the switcher's HDBaseT Extender Transmitter (Tx) allows you to connect a source in a remote location. Likewise, the HDBaseT Output and our HDBaseT Receiver allows you to connect a display in a remote location. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-5688CAK HDMI CAT5e/6 MATRIX SWITCHER 8x8



8x8 HDMI CAT5e/6 MATRIX SWITCHER

FEATURES

- (8)x HDMI with Auxiliary Audio (Analog Audio) player devices matrix switched to (8)x HDMI with S/PDIF outputs and (8)x HDBaseT Transmitter with PoE output to (8)x destinations.
- Application HDBaseT Specification with PoE (optional), IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/6a/7) category cable.
- HDMI digital Video w/ embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 7: 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support : - Dolby TrueHD, - Dolby Digital, - Dolby Digital Plug/ex, - DTS, - DTS-HD, - DTS-HD Master, - DTS-EX, - PCM, PCM2, LPCM2.
- Audio Input : Support Auxiliary Audio (Analog stereo audio).
- Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
- Various User Interface controls: - Windows based GUI control via RS232 port - Front Panel push button - IR wireless remote controller - Ethernet Switch control - Third party RS232 controller (via simple ASCII)
- Support world wide (9)x control function keys: Full function front panel controls: ARC / AUX/ ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes : a. Embedded EDID modes : - FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz b. External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

- Type of HDMI Switcher : 8x Inputs To 8x Outputs HDMI over HDBaseT Matrix Switch with Audio and Extension
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDBaseT Support : bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE. over one CATx cable.
- HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD-480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Video Input : 8x HDMI (HDMI or DVI digital source)
- Audio Input : 8x Audio (Analog Stereo, AUX port. 3.5mm Jack).
- Video Output : 8x HDMI (To Destination).
- Audio Output : 8x HDBaseT Transmitter with PoE (optional) via category cable & RJ-45 connector) 8x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio. 8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- HDBaseT Control In : 8x IR in (Send IR signals To 8x Rooms via HDBaseT Transmitter)
- HDBaseT Control Out : 8x IR out (Send IR Signals To 8x Rooms - Via HDBaseT Transmitter) 1x ALL IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender) 1x LAN (All Switcher HDBaseT Transmitter Ethernet link to HDBaseT Receiver)
- HDBaseT Control I/O : 8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
- Switch Controls : 1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (25) Function Control Keys: 1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10. Destination button (1) thru (8), 11. Source button (1) thru (8), - Select Embedded EDID modes : - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz - Select LEARNING mode : - Learning Destination EDID To Link Source.
- Infrared Frequency : 38 KHz
- IR External Distance : ~984 feet / 300 meters maximum.
- HDBaseT Extend Distance : ~328 feet / 100 meters maximum.
- HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
- Temperature : Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
- Dimensions : LxWxH=19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
- Rack Mount : 2RU High 19" Rack Mount #2U-440L (with rack mount)
- Power Supply : AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 3.75 Kgs / 6.25 lb

SB-5680CAK

8x8 HDMI & HDBaseT Matrix Switch with Auxiliary Audio I/O



PRO MATRIX HDMI HDBaseT S/PDIF ARC AUXILIARY

Support Input Video Select both HDMI and HDBaseT, Audio Output both SPDIF and ARC, HDBaseT Transmitter with PoE

Inputs : 8x HDMI , 8x Auxiliary Audio, 8x HDBaseT Receiver

Outputs : 8x HDMI, 8x S/PDIF or ARC, 8x HDBaseT Transmitter, 8x HDBaseT I/O (RS232 in/out, IR in/out) and 2x Ethernet in/out



02

INTRODUCTION

The SB-5680CAK is professional 8x8 matrix routing switch. Supporting eight (8) HDMI Inputs, 8 Auxiliary Audio Inputs, and (8) HDBaseT Inputs. Supports 8 HDMI Outputs, 8 SPDIF Outputs, and 8 HDBASET (PoE) Outputs. The SB-5680 is based on the HDBaseT standard and supports full resolution HDMI Video with embedded PoE, Audio, RS-232, Ethernet and bi-directional IR, all over a single CATx cable. With a signal bandwidth of 340MHz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any 8 Inputs to 16 Outputs simultaneously (channel outputs mirrored). The Switcher is certified as being fully CEC and HDCP 2.2 compliant, HDMI 4K2K V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5680 has 1x HDBaseT and 1x HDMI connector for each Input and output, effectively making this an 8 in x16 out switcher (same signal on both outputs). Using the HDBaseT Input and our HDBaseT remote Transmitter allows you to connect a source in a remote location. Likewise, the HDBaseT Output and our HDBaseT Receiver allows you to connect a display in a remote location. EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

FEATURES

1. (8)x HDMI with Auxiliary Audio (Analog Audio) and (8)x HDBaseT Receiver devices matrix switched to (8)x HDMI with S/PDIF outputs and (8)x HDBaseT Transmitter with PoE output to (8)x destinations.
2. Application HDBaseT Specification with PoE (optional), IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/5a/7) category cable.
3. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
4. Worldwide control EDID modes for HDMI full 4K2K HD Video resolutions.
5. Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
6. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K.
7. Compatible with all HDMI source devices, PC monitors, Plasma HD display, HDTV and audio receivers or audio amplifiers.
8. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
9. Digital Audio Support : - Dolby TrueHD, - Dolby Digital, - Dolby Digital Plug/ex, - DTS, - DTS-HD, - DTS-HD Master, - DTS-EX, - PCM, PCM2, LPCM2..
10. Audio Input : Support Auxiliary Audio (Analog stereo audio).
11. Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary Audio)
12. Various User Interface controls: - Windows based GUI control via RS232 port - Front Panel push button - IR wireless remote controller - Ethernet Switch control - Third party RS232 controller (via simple ASCII)
13. Support world wide (10)x control function keys: Full function front panel controls : ARC / AUX / HDBaseT / ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
14. Support EDID modes : a. Embedded EDID modes : FSS/ H24-3D/ H24-3D-M/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz b. External modes : Learning mode.
15. Automatic scanning input & output status via LCM show on front panel.
16. Support IR Remote and IR Extender with distance up to ~ 994 feet (300M) Maximum.
17. Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

1. Type of HDMI Switcher : 8x inputs To 8x Outputs HDMI & HDBaseT Matrix Switch with Audio and Extension
2. HDMI Support : HDMI 4K2K, 1080p @60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
3. HDBaseT Support : bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE over one CATx cable.
4. HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
5. Video Bandwidth : Double Data Rates: 340MHz, Total 6.75Gbps bandwidth.
6. Digital Video Support : HD 480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
7. Video Input : 8x HDMI (HDMI or DVI digital source), 8x HDBaseT Receiver (via category cable CATx & RJ-45 connector)
8. Audio Input : 8x Audio (Analog Stereo, AUX port, 3.5mm Jack), 8x HDMI (To Destination).
9. Video Output : 8x HDBaseT Transmitter with PoE (optional) via category cable & RJ-45 connector
10. Audio Output : 8x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio. 8x ARC : TV Return Channel Audio. 8x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
11. HDBaseT Control In : 8x IR in (Send IR signals To 8x Rooms via HDBaseT Transmitter) 1x ALL IR in (Send IR Signals To 8x Rooms - Via HDBaseT Transmitter) 1x LAN (All Switcher's HDBaseT Receiver Ethernet Link to External HDBaseT Transmitter)
12. HDBaseT Control Out : 8x IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender) 1x ALL IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender) 1x LAN (All Switcher HDBaseT Transmitter Ethernet Link to HDBaseT Receiver)
13. HDBaseT Control I/O : 8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
14. Switch Controls : 1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 8x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control) Input status LEDs indicates presence of a live signal. 1.ARC / 2.AUX / 3.HDBaseT / 4.ALL / 5.OFF / 6.RECALL / 7.ENTER / 8.MEMORY / 9.LOCK 10.EDID / 11.Destination (1) thru (8) / 12.Source (1) thru (8).
15. Source Status : 19. IR External Distance : ~994 feet / 300 meters maximum.
16. (25) Function Control Keys : 20. HDBaseT Extend Distance : ~325 feet / 100 meters maximum.
17. (8) EDID management : 21. HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
18. Infrared Frequency : 38 KHz
19. IR External Distance : ~994 feet / 300 meters maximum.
20. HDBaseT Extend Distance : ~325 feet / 100 meters maximum.
21. HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
22. Temperature : Operating Temperature 32 °F ~ 100 °F (0 °C ~ 32 °C)
23. Dimensions : LxWxH-19" x 9.85" x 5.19" (482mm x 250mm x 132mm)
24. Rack Mount : 3RU High 19" Rack Mount #3U-440L (with rack mount)
25. Power Supply : AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
26. Safety Approvals : CE, FCC, REACH.
27. Product Weight : 4.85 Kgs / 8.08 lb

SB-5669K

16x16 HDMI MATRIX SWITCHER

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

4K/2K
CAPABLE

PRO MATRIX HDMI AUDIO

Inputs : 16x HDMI (Digital Video TMDS, and Digital Audio)

Outputs : 16x HDMI (Digital Video TMDS, and Digital Audio)



Ear Rack: 2U-440L

INTRODUCTION

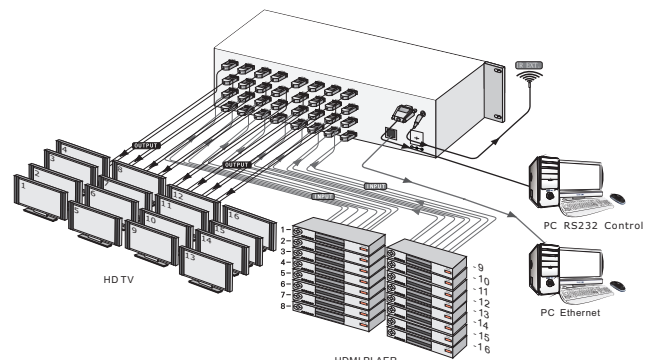
The SB-5669k is professional 16x16 matrix routing switch. Supporting sixteen (16) HDMI Inputs. Output supported (16) HDMI ports.

The SB-5669k is based on the HDMI standard 4k2k and supports full resolution HDMI Video with embedded EDID. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (16) Inputs to (16) outputs. The Switcher is certified as being fully CEC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays.

The SB-5669K has 1x HDMI connector for Input, effectively making this an 16 in x16 out switcher. The EDID management can be selected between seven (7) different modes.

Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-5669K HDMI MATRIX SWITCHER 16x16



16x16 HDMI MATRIX SWITCHER

FEATURES

- (16)x HDMI source devices matrix switched to (16)x HDMI output destinations.
- HDMI digital Video TMDS w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2..
- Audio Input : Support HDMI standard multi-channel digital audio.
- Audio Output : Support HDMI standard multi-channel digital audio.
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide (7)x control function keys: Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - Embedded EDID modes : FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Switcher : 16x inputs To 16x Outputs HDMI Matrix Switcher
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HDMI : 480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Input : 16x HDMI (HDMI or DVI digital source).
- Output : 16x HDMI (To Destination).
- 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)
 - 1x Ethernet series interface (switch control)
- Source Status : Input status LEDs indicates presence of a live signal.
- (39) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (16), 9.Source button (1) thru (16).
- (7) EDID management :
 - Select Embedded EDID modes : Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz,
 - Select LEARNING mode : Learning Destination EDID To Link Source.
- 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)
- Dimensions : LxWxH=19 "x 9.85 "x 3.46 "(482mm x 250mm x 88mm)
- Rack Mount : 1RU High 19 "Rack Mount #2U-440L (with rack mount)
- Power Supply : Powr Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 4.86 Kgs / 8.10 lb

SB-5669CK

16x16 HDMI & HDBaseT Over Single CATx Matrix Routing Switch


PRO MATRIX HDMI HDBASET

Inputs : 16x HDMI (Digital Video TMDS, and Digital Audio)

Outputs : 16x HDMI , 16x HDBaseT Transmitter (16x HDBaseT, 16x RS232 in/out and 16x IR in/out)



02

Ear Rack: 4U-440L

INTRODUCTION

The SB-5669CK is professional 16x16 matrix routing switch. Supporting sixteen (16) HDMI Inputs. Output supported (16) HDMI and (16) HDBASET (PoE). The SB-5669CK is based on the HDBaseT standard and supports full resolution HDMI Video with embedded EDID and PoE function, Audio, RS-232, Ethernet and bi-directional IR, all over a single CATx cable. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (16) Inputs to (32) outputs simultaneously (channel outputs mirrored). The Switcher is certified as being fully CEC , ARC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5669CK has 1x HDMI and Auxiliary Audio (analog stereo audio) connector for Input, effectively making this an 16 in x32 out switcher (same signal on both outputs). Using IR remote the switcher's HDBaseT Extender Transmitter (Tx) allows you to connect a source in a remote location. Likewise, the HDBaseT Output and our HDBaseT Receiver allows you to connect a display in a remote location. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

FEATURES

- (16)x HDMI player devices matrix switched to (16)x HDMI and (16)x HDBaseT Transmitter with PoE output to (32)x destinations.
- Application HDBaseT Specification with PoE, IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/6a/7) category cable.
- HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions
- 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- Digital Audio Support :
 - Dolby TrueHD,
 - Dolby Digital,
 - Dolby Digital Plug/ex,
 - DTS,
 - DTS-HD,
 - DTS-HD Master,
 - DTS-EX
 - PCM, PCM2, LPCM2.
- Audio Input : Support Standard HDMI Multi-Channel Audio (Digital audio).
- Audio Output : Support Standard HDMI Multi-Channel Audio (Digital audio).
- Various User Interface controls:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS232 controller (via simple ASCII)
- Support world wide (7)x control function keys:
 - Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
- Support EDID modes :
 - Embedded EDID modes :
 - FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ 4K2K-3D / DVI-D 1920x1200-60Hz
 - External modes : Learning mode.
- Automatic scanning input & output status via LCM show on front panel.
- Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
- Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

- Type of HDMI Switcher : 16x inputs To 16x Outputs HDMI over HDBaseT Matrix Switch
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDBaseT Support : bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE. over one CATx cable.
- HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD-480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Video Input : 16x HDMI (HDMI or DVI digital source).
- Video Output : 16x HDMI (To Destination).
- Audio Output : 16x HDMI :
 - Multi Audio Formats 5.1 / 7.1, MAT(MLP),
 - Dolby Digital, Dolby TrueHD, Dolby Digital Plus,
 - DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
- HDBaseT Control in : 16x IR in (Send IR signals To 16x Rooms via HDBaseT Transmitter)
- HDBaseT Control out : 1x ALL IR in (Send IR Signals To 16x Rooms - Via HDBaseT Transmitter)
- 16x IR out (Link to Receive IR signals from 16x Rooms via HDBaseT Extender)
- 1x ALL IR out (Link to Receive IR signals from 16x Rooms via HDBaseT Extender)
- 16x RS-232 I/O (Control 16x Rooms RS-232 via Switcher HDBaseT Extender Tx)
- 1x Select & Function buttons on front panel (Data status via LCM panel show out)
- 1x IR Remote Controller (switch control)
- 16x IR Room Remote Controller (switch control)
- 1x IR External port (switch control via 3.5mm OD Jack)
- 1x RS 232 series interface (switch control)
- 1x Ethernet series interface (switch control)
- Input status LEDs indicates presence of a live signal.
- (39) Function Control Keys: 1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (16), 9.Source button (1) thru (16).
- (7) EDID management :
 - Select Embedded EDID modes :
 - Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz,
 - Select LEARNING mode : Learning Destination EDID To Link Source.
- Infrared Frequency : 38 Khz
- IR External Distance : ~984 feet / 300 meters maximum.
- HDBaseT Extender Distance: 328 feet / 100 meters maximum.
- HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
- Temperature : Operating Temperature 32°F - 100°F (0°C - 32°C)
- Dimensions : LxWxH=19" x 9.85" x 6.92" (482mm x 250mm x 88mm)
- Rack Mount : 2RU High 19" Rack Mount #4U-440L (with rack mount)
- Power Supply : AC 100-240 VAC 50/60Hz (Power Consumption:10A Maximum)
- Safety Approvals : CE, FCC, REACH,
- Product Weight : 6.35 Kgs / 10.585 lb

SB-5652K

1x2 HDMI 4K2K Distribution Amplifier with Scaler

Support (3) EDID modes and scaling up to 4K2K-24Hz or scaling down to 1080p-24Hz

Inputs : 1x HDMI (Digital Video TMDS, and Digital Audio)

Outputs : 2x HDMI (Digital Video TMDS, and Digital Audio)



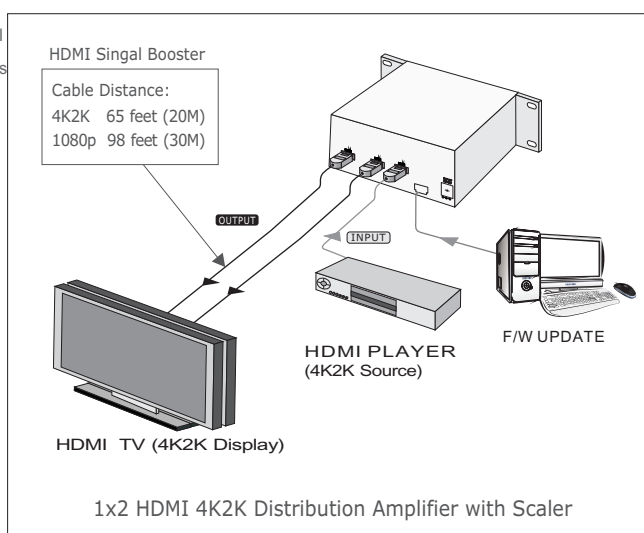
PRO EDID HDMI SCALER



INTRODUCTION

The SB-5652K is professional 1x2 4K2K HDMI Distribution Amplifier. Supporting one (1) HDMI Input, two (2) HDMI outputs. The SB-5652K is based on the HDMI standard 4k2k and supports full resolution HDMI Video with embedded EDID. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (2) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/ DVI 1920x1200 resolution to any HD displays. The SB-5652K has 1x HDMI connector for Input, effectively making this an (1) in x(2) out distributor. The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons.

SB-5652K HDMI 4K2K Distribution Amplifier with Scaler 1x2



FEATURES

- (1)x HDMI 4K2K source device distributed to (2)x HDMI output 4K2K destinations.
- HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- EDID supports : Embedded EDID modes
 - Mode (1) : 1080p - 2CH
 - Mode (2) : 1080p - Bitstream
 - Mode (3) : 4K2K - Bitstream
- Scaler Modes supports :
 - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
 - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
- Audio Input : Support HDMI standard multi-channel digital audio.
- Audio Output : Support HDMI standard multi-channel digital audio.
- Various User Interface controls: Front Panel push button.
- HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M).
- Support Universal power adaptor Power input AC90V~AC240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Splitter : 1x input To 2x Outputs HDMI Matrix Switcher
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340MHz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Input : 1x HDMI (HDMI or DVI digital source).
- Output : 2x HDMI (To Destination).
- Switch Controls :
 - 1x Select & Function buttons on front panel (Data status via LCM panel show out)
 - 1x IR Remote Controller (switch control)
- Control Status : Control status LEDs indicates presence of a live signal.
- (3) EDID management:
 - EDID : 1080p-2CH,
 - EDID : 1080p-Bitstream,
 - EDID : 4K2K-Bitstream,
- (2) Scaling mode:
 - Scaler down : 1080p-24Hz,
 - Scaler up : 4K2K-24Hz.
- HDMI Signal Booster : Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M).
- Infrared Frequency: 38 Khz
- Firmware Update : Firmware update via mini-USB Jack.
- HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
- Temperature : Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
- Wall Mount : 1 inch High Wall Mount pairs (P/N: WM-1INCH-80mm)
- Dimensions : LxWxH= 5.00 "x 3.14 " x 1.00 "(127mm x 80mm x 25mm)
- Power Supply : DC12V, 1A, Powr Input : AC 100-240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 1.85 Kgs / 3.08 lb

SB-5654K

1x4 HDMI 4K2K Distribution Amplifier with Scaler

Support (3) EDID modes and scaling up to 4K2K-24Hz or scaling down to 1080p-24Hz



PRO EDID HDMI SCALER

Inputs : 1x HDMI (Digital Video TMDS, and Digital Audio)

Outputs : 4x HDMI (Digital Video TMDS, and Digital Audio)

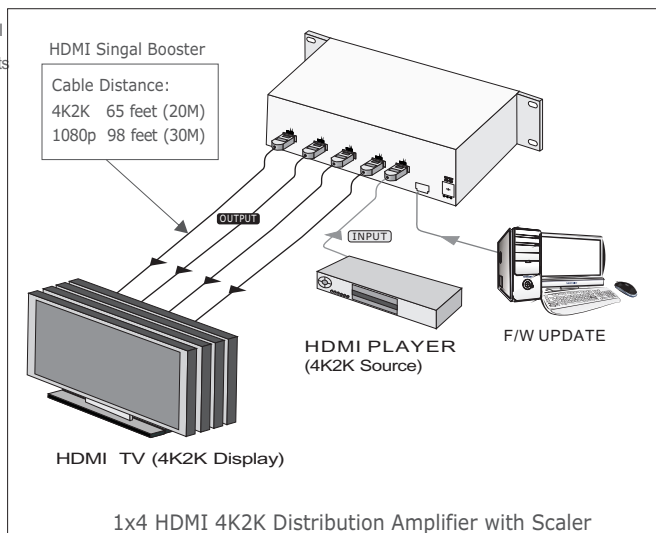


02

INTRODUCTION

The SB-5654K is professional 1x4 4K2K HDMI Distribution Amplifier. Supporting one (1) HDMI Input, four (4) HDMI outputs. The SB-5654K is based on the HDMI standard 4k2k and supports full resolution HDMI Video with embedded EDID. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (4) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/ DVI 1920x1200 resolution to any HD displays. The SB-5654K has 1x HDMI connector for input, effectively making this an (1) in (x4) out distributor. The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons or IR remote.

SB-5654K HDMI Distribution Amplifier with Scaler 1x4



FEATURES

- (1)x HDMI 4K2K source device distributed to (8)x HDMI output 4K2K destinations.
- HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- EDID supports : Embedded EDID modes
 - Mode (1) : 1080p - 2CH
 - Mode (2) : 1080p - Bitstream
 - Mode (3) : 4K2K - Bitstream
- Scaler Modes supports :
 - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
 - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
- Audio Input : Support HDMI standard multi-channel digital audio.
- Audio Output : Support HDMI standard multi-channel digital audio.
- HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M).
- Various User Interface controls: Front Panel push button.
- Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Splitter 1x input To 8x Outputs HDMI Matrix Switcher
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support :HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Input : 1x HDMI (HDMI or DVI digital source).
- Output : 4x HDMI (To Destination).
- Switch Controls : 1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control)
- Control Status : Control status LEDs indicates presence of a live signal.
- (3) EDID management:1. EDID : 1080p-2CH, 2. EDID : 1080p-Bitstream, 3. EDID : 4K2K-Bitstream,
- (2) Scaling mode: 1. Scaler down : 1080p-24Hz, 2. Scaler up : 4K2K-24Hz.
- HDMI Signal Booster : Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M).
- Infrared Frequency: 38 Khz
- Firmware Update : Firmware update via mini-USB Jack.
- HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
- Temperature : Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
- Wall Mount : 1 inch High Wall Mount pairs (P/N: WM-1INCH-80mm)
- Dimensions : LxWxH= 8.14 "x 4.48 " x 1.00 " (207mm x 114mm x 25mm)
- Power Supply : DC12V, 2A, Powr Input : AC 100-240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 1.85 Kgs / 3.08 lb

SB-5658K

1x8 HDMI 4K2K Distribution Amplifier with Scaler

Support (3) EDID modes and scaling up to 4K2K-24Hz or scaling down to 1080p-24Hz

Inputs : 1x HDMI (Digital Video TMDS, and Digital Audio)

Outputs : 8x HDMI (Digital Video TMDS, and Digital Audio)



PRO EDID HDMI SCALER



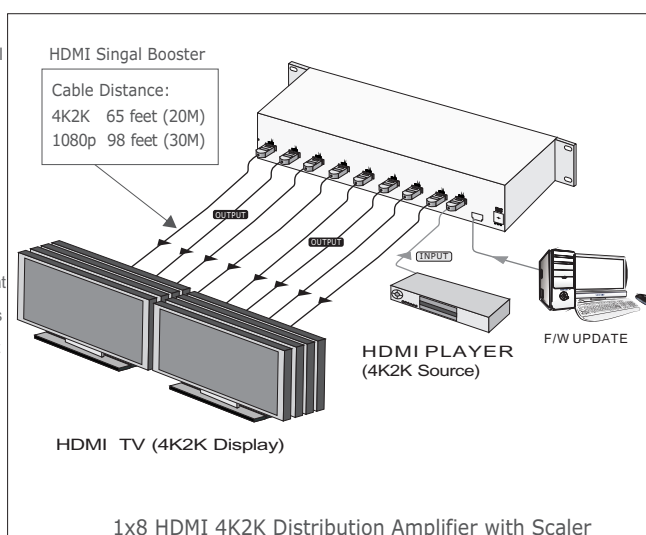
Ear Rack: 1U-440L

02

INTRODUCTION

The SB-5658K is professional 1x8 4K2K HDMI Distribution Amplifier. Supporting one (1) HDMI Input, eight (8) HDMI outputs. The SB-5658K is based on the HDMI standard 4k2k and supports full resolution HDMI Video with embedded EDID. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (8) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5658K has 1x HDMI connector for Input, effectively making this an (1) in (x8) out distributor. The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons or IR remote.

SB-5658K HDMI Distribution Amplifier with Scaler 1x8



FEATURES

- (1)x HDMI 4K2K source device distributed to (8)x HDMI output 4K2K destinations.
- HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- EDID supports : Embedded EDID modes
 - Mode (1) : 1080p - 2CH
 - Mode (2) : 1080p - Bitstream
 - Mode (3) : 4K2K - Bitstream
- Scaler Modes supports :
 - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
 - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
- Audio Input : Support HDMI standard multi-channel digital audio.
- Audio Output : Support HDMI standard multi-channel digital audio.
- HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M).
- Various User Interface controls: Front Panel push button.
- Support Universal power adaptor Power input AC100V~240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Splitter 1x input To 8x Outputs HDMI Matrix Switcher
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support :HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Input : 1x HDMI (HDMI or DVI digital source).
- Output : 8x HDMI (To Destination).
- Switch Controls : 1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control)
- Control Status : Control status LEDs indicates presence of a live signal.
- (3) EDID management:1. EDID : 1080p-2CH, 2. EDID : 1080p-Bitstream, 3. EDID : 4K2K-Bitstream,
- (2) Scaling mode: 1. Scaler : 1080p-24Hz, 2. Scaler : 4K2K-24Hz.
- HDMI Signal Booster : Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M).
- Infrared Frequency: 38 Khz
- Firmware Update : Firmware update via mini-USB Jack.
- HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
- Temperature : Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
- Rack Mount : Rack Mount 1RU High 19 "Rack Mount (P/N: 1U-304L)
- Dimensions : LxWxH= 11.96 "x 5.90 " x 1.75 "(304mm x 150mm x 44mm)
- Power Supply : DC12V, 3A, Powr Input : AC 100-240 VAC 50/60Hz (universal Type Supply)
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 1.85 Kgs / 3.08 lb

SB-5659K

1x16 HDMI DISTRIBUTION AMPLIFIER with Scaler

Support (3) EDID modes and scaling up to 4K2K-24Hz or scaling down to 1080p-24Hz



PRO EDID HDMI SCALER

Inputs : 1x HDMI (Digital Video TMDS, and Digital Audio)
Outputs : 16x HDMI (Digital Video TMDS, and Digital Audio)



Ear Rack: 1U-440L

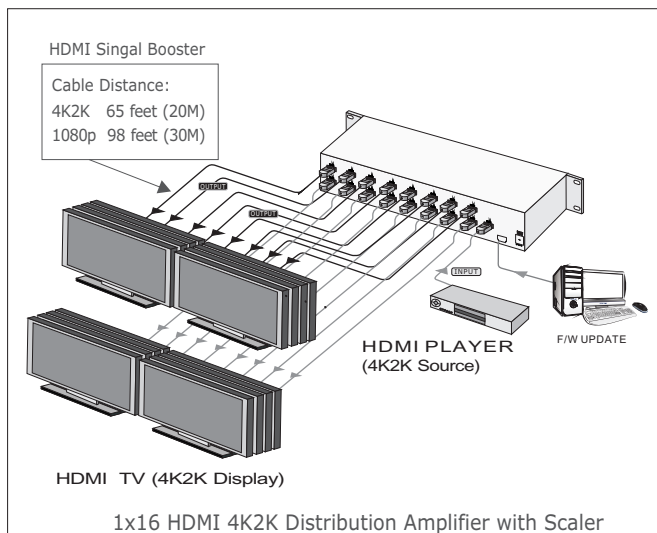
02

INTRODUCTION

The SB-5659K is professional 1x16 4K2K HDMI Distribution Amplifier. Supporting one (1) HDMI Input, sixteen (16) HDMI outputs. The SB-5659K is based on the HDMI standard 4K2K and supports full resolution HDMI Video with embedded EDID. With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be distributed to (1) Input to (16) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 2.0 compliant, full HD 4K2K HDMI V1.4a 3D formats, data rates up to 6.75 Gbps.

Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. The SB-5659K has 1x HDMI connector for Input, effectively making this an (1) in x(16) out distributor. The EDID management can be selected between three (3) different modes and the Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons or IR remote.

SB-5659K HDMI Distribution Amplifier with Scaler 1x16



FEATURES

- (1)x HDMI 4K2K source device distributed to (16)x HDMI output 4K2K destinations.
- HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
- Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions.
- Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats.
- Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz).
- Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
- EDID supports : Embedded EDID modes
 - Mode (1) : 1080p - 2CH
 - Mode (2) : 1080p - Bitstream
 - Mode (3) : 4K2K - Bitstream
- Scaler Modes supports :
 - Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
 - Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
- Audio Input : Support HDMI standard multi-channel digital audio.
- Audio Output : Support HDMI standard multi-channel digital audio.
- HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M).
- Various User Interface controls: Front Panel push button.
- Support Universal power adaptor DC12V, 3A, Power input AC100V~240V, 50/60Hz

SPECIFICATIONS

- Type of HDMI Splitter : 1x input To 16x Outputs HDMI Matrix Switcher
- HDMI Support : HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
- HDCP / CEC Support : HDCP 2.2 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support : HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
- Input : 1x HDMI (HDMI or DVI digital source).
- Output : 16x HDMI (To Destination).
- Switch Controls : 1x Select & Function buttons on front panel
1x IR Remote Controller (switch control)
- Control Status : Control status LEDs indicates presence of a live signal.
- (3) EDID management: 1. EDID : 1080p-2CH,
2. EDID : 1080p-Bitstream,
3. EDID : 4K2K-Bitstream,
- (2) Scaling mode: 1. Scaler : 1080p-24Hz,
2. Scaler : 4K2K-24Hz.
- HDMI Signal Booster : Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M).
- Infrared Frequency: 38 Khz
- Firmware Update : Firmware update via mini-USB Jack.
- HDMI I/O Connector : HDMI Type A - SMD 19pin Female Type
- Temperature : Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
- Rack Mount : Rack Mount 1RU High 19 "Rack Mount (P/N: 1U-440L)
- Dimensions : LxWxH= 19 "x 7.87 " x 1.75 "(482mm x 200mm x 44mm)
- Power Supply : DC12V / 3A, Universal world wide Type 50/60Hz, 100~230 VAC
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 2.25 Kgs / 3.75 lb

SB-5602
2x1 DVI ROUTING SWITCHER

Inputs : 2x DVI
Outputs : 1x DVI

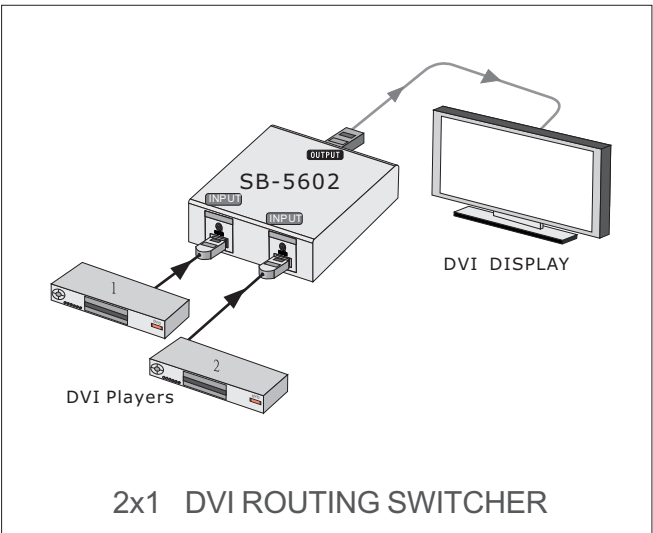
DVI SWITCHER



INTRODUCTION

The SB-5602 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI (TMDS) digital Video with HDCP compliant. Providing 2x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI -TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

SB-5602 DVI ROUTING SWITCHER 2x1



FEATURES

- 1. Support : 2:1 DVI Routing Switcher
- 2. I/O Signals : DVI with HDCP Digital Video(TMDS)
- 3. DVI and HDMI with HDCP compliant
- 4. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
- 5. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
- 6. Support Digital Video TMDS formats in Deep Color 12bits
- 7. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
- 8. Bi-direction colour space conversion(CSC) between RGB and YCBCR color spaces with programmable coefficients
- 9. Power via LED display on front panel
- 10. Control by front panel selection buttons
- 11. Support wall rack mountable type
- 12. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- | | |
|----------------------------------|--|
| 1. Type of Distributor: | 2:1 DVI Routing Switcher |
| 2. Signal Support: | DVI standard, HDMI and HDCP compliant |
| 3. Video Support: | 1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions |
| 4. Audio Support: | DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus |
| 5. Ttype of Signal: | TMDS Digital Video PCM Digital Audio |
| 6. Compliant with DVI standard: | DVI, HDMI and HDCP |
| 7. HDTV Support: | 1080p HDMI formats and DVI UXGA 1600x1200 resolution |
| 8. Controls: | Front Panel Selection buttons |
| 9. Data Rates/Pixel clocks: | 250Mbps to 2.25 Gbps 25MHz to 225 MHz |
| 10. HDMI Cable Distance: | 10 meters at 2.25Gbps |
| 11. Support digital video input: | ·RGB/YCBCR : 24/30/36-bit ·YCBCR :8/10/12/16/20/24-bit
·Double data rate interface for RGB/YCBCR : 12/15/18-bit |
| 12. Safety Approval: | CE, FCC, VCCI, |
| 13. Dimension: | 2.87"x 4.45" x 1.14"(73mm x 113mm x 29mm) |
| 14. Power Supply: | DC 12V /1A Max(Consumption Maximum 0.42A)
Use Universal Switch Type 50/60Hz, 100~240VAC |
| 15. Unit Weight: | 0.2 Kgs (0.44 Lb) |

SB-5603

4x1 DVI ROUTING SWITCHER

Inputs : 4x DVI
Output : 1x DVI

DVI SWITCHER PRO



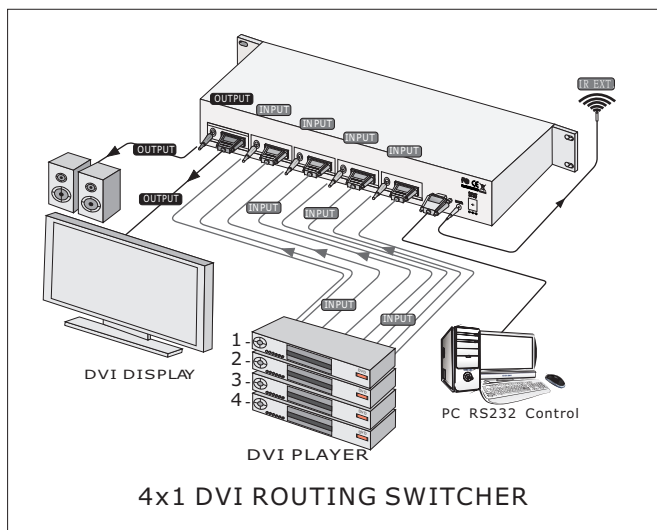
Ear Rack: 1U-440L

02

INTRODUCTION

The SB-5603 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI(TMDs) digital Video with HDCP compliant. Providing 4x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI-TMDs formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

SB-5603 DVI ROUTING SWITCHER 4x1



FEATURES

1. Support : 4:1 DVI Routing Switcher
2. I/O Signals : DVI with HDCP Digital Video(TMDs)
3. DVI and HDMI with HDCP compliant
4. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
5. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
6. Support Digital Video TMDs formats in Deep Color 12bits
7. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
8. Bi-direction colour space conversion(CSC) between RGB and YCbCr color spaces with programmable coefficients.
9. Auto-Scan input and outputs status via LED display on front panel
10. Control by front panel selection buttons, IR Remote and RS232 interface
11. Support IR Extender in rear panel for 300 Meter long distance extend
12. Support desktop with ear rackmount and 19 inch Rack mountable type panel
13. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

1. Type of Distributor : 4:1 DVI Routing Switcher
2. Signal Supports : DVI Standard, HDMI and HDCP Compliant
3. Video Supported: 1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
4. Audio Supported: DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
5. Type of Signal: TMDs Digital Video PCM Digital Audio
6. Compliant with DVI standard: DVI, HDMI and HDCP
7. HDTV Support: 1080p HDMI formats and DVI UXGA 1600x1200 resolution
8. Controls: Front Panel Selection buttons, IR Remote, IR Ext. and RS232 Interface
9. Data Rates/ Pixel clocks: 250Mbps to 2.25 Gbps / 25MHz to 225 MHz
10. Cable Distance: 10 meters at 2.25Gbps
11. Support digital video input: ·RGB/YCbCr : 24/30/ 36-bits ·YCbCr : 8/10/12/ 16/20/ 24-bits ·Double data rate interface for RGB/YCbCr : 12/15/ 18-bits
12. Infrared frequency: 38KHz.
13. Safety Approvals: CE, FCC, VCCI
14. Dimensions : 19"x 7.87" x 1.75"(482mm x 200mm x 44mm)
15. Power Supply: DC 12V /2A Max(Consumption Maximum 1.25A)
Use Universal Switch Type 50/60Hz, 100~24V AC
16. Unit Weight : 2.45 Kgs (5.4 Lb)

SB-5607
8x1 DVI ROUTING SWITCHER

Inputs : 8x DVI
Output : 1x DVI

DVI SWITCHER PRO



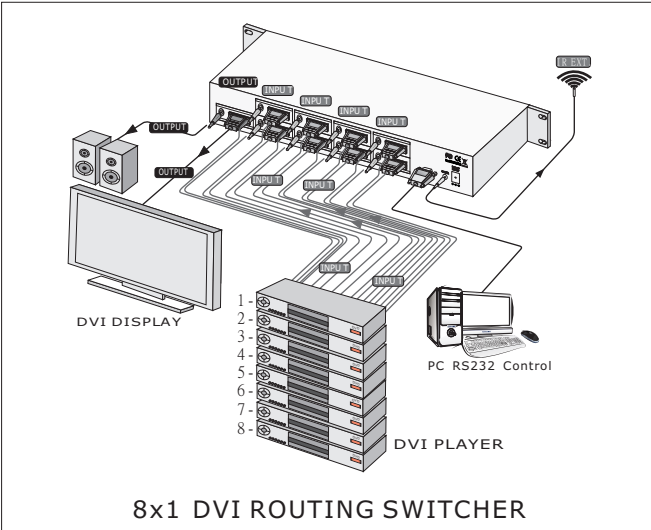
Ear Rack: 1U-440L

02

INTRODUCTION

The SB-5607 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI(TMDS) digital Video with HDCP compliant. Providing 8x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI -TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

SB-5607 DVI ROUTING SWITCHER 8x1



FEATURES

1. Support : 8:1 DVI Routing Switcher
2. I/O Signals : DVI with HDCP Digital Video(TMDS)
3. DVI and HDMI with HDCP compliant
4. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
5. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
6. Support Digital Video TMDS formats in Deep Color 12bits
7. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
8. Bi-direction colour space conversion(CSC) between RGB and YCbCr color spaces with programmable coefficients.
9. Auto-Scan input and outputs status via LED display on front panel
10. Control by front panel selection buttons, IR Remote and RS232 interface
11. Support IR Extender in rear panel for 300 Meter long distance extend
12. Support desktop with ear rackmount and 19 inch Rack mountable type panel
13. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

- | | |
|-------------------------------------|--|
| 1. Type of Distributor: | 8:1 DVI Routing Switcher |
| 2. Signal Support: | DVI standard, HDMI and HDCP compliant |
| 3. Video Support: | 1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions |
| 4. Audio Support: | DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus |
| 5. Type of Signal: | TMDS Digital Video PCM Digital Audio |
| 6. Compliant with DVI standard: | DVI, HDMI and HDCP |
| 7. HDTV Support: | 1080p HDMI formats and DVI UXGA 1600x1200 resolution |
| 8. Controls: | Front Panel Selection buttons, IR Remote and RS232 Interface |
| 9. Data Rates: | 250Mbps to 2.25 Gbps Pixel clocks: 25MHz to 225 MHz |
| 10. Cable Distance: | 10 meters at 2.25Gbps |
| 11. Supporting digital video input: | •RGB/ YCbCr : 24/30/36-bit
•YCbCr : 8/10/12/16/20/24-bit
•Double data rate interface for RGB/ YCbCr : 12/15/18-bit |
| 12. Infrared frequency: | 38KHz |
| 13. Safety Approval: | CE, FCC, VCCI |
| 14. Dimension: | 19"x 7.87" x 1.75"(482mm x 200mm x 44mm) |
| 15. Power Supply: | DC 12V /2A Max(Consumption Maximum 1.25A)
Use Universal Switch Type 50/60Hz, 100~240VAC |
| 16. Unit Weight: | 2.45 Kgs (5.4 Lb) |

SB-8812

4x4 DVI MATRIX SWITCHER

PRO MATRIX EDID DVI

Inputs : 4x DVI (Digital Video TMDS)
Output : 4x DVI (Digital Video TMDS)

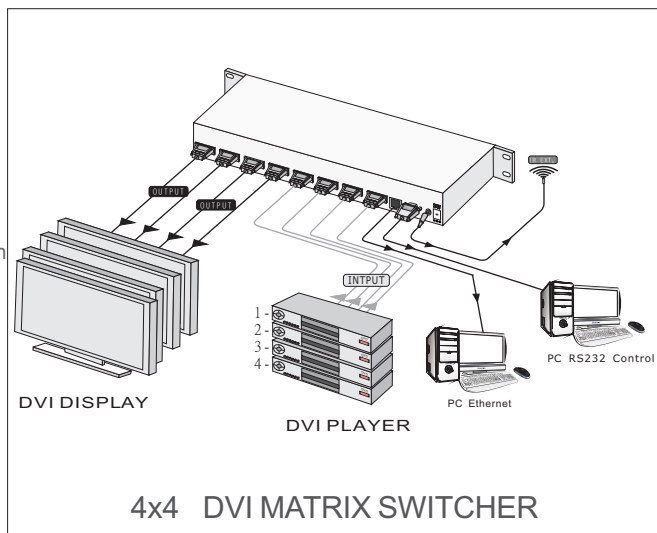


Ear Rack: 1U-440L

INTRODUCTION

The SB-8812 is high-performance 4x4 matrix routing switcher for DVI (Digital Visual Interface) signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8812 4x4 DVI Matrix Switcher



FEATURES

1. 4x DVI signal device sources matrix switched to 4x DVI destination devices.
2. DVI digital video w/embedded, DVI format and HDCP 2.0 compliant
3. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions.
4. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats.
5. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
6. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit.
7. Various User Interface control:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote control
 - Ethernet series control
 - Third party RS232 controller (via simple ASCII)
8. Support world wide control functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK
9. Support Embedded EDID modes :
 - Internal modes : FSS/1280x1024-60Hz/1920x1200-60Hz/Auto
 - External modes : Learning mode.
10. Automatic scanning input sources status via LED show on front panel.
11. Support ISP function to update the new F/W via RS-232 port.
12. Support IR Remote and IR Extender with distance up to ~ 984' (300M) Maximum.
13. Support Rack Mount 1RU High 19 "Rack Mount with rack mount (1U-440L).
14. Support Power Supply 12VDC, 3A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

1. Type of DVI Switcher: 4x DVI inputs To 4x DVI Outputs Matrix Switcher
2. DVI Support : HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats.
3. HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
4. Video Bandwidth : Double Data Rates:340Mhz, Total 2.25Gbps bandwidth.
5. Digital Video Support: HD resolution : 1920x1200 , HDMI 480i/p / 720p / 1080i /p
6. Switch Controls :
 - 1x IR Remote Controller
 - 1x IR External port x 1 (OD 3.5mm Ear phone Jack)
 - 1x Select & Function buttons on front panel
 - 1x Ethernet serial interface
 - 1x RS 232 serial interface
7. Ethernet Support : Ethernet serial interface (AP version 2.0)
8. Source Status : Automatically Scan Sources Inputs via (4) LED show out
9. Function Control Key: ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
10. Infrared Frequency : 38 KHz
11. IR External Distance: ~984 feet / 300 meters maximum.
12. DVI I/O Connector : DVI-D - (24+5) pin Female DIP Type
13. Temperature : 32 °F - 100 °F Operation (0 °C - 38 °C)
14. Dimensions : Rack Mount 1RU High 19 "Rack Mount (with rack mount)
15. Rack Mount : LxWxH=19 "x 9.85 " x 1.75 "(482mm x 250mm x 44mm)
16. Power Supply : DC12V / 3A, Universal world wide Type 50/60Hz, 100~240 VAC
17. Power Consumption: 1880 mA Maximum
18. Safety Approvals : CE, FCC, REACH.
19. Product Weight : 2.25 Kgs / 3.75 lb

SB-8813

4x4 DVI & AUDIO MATRIX SWITCHER

PRO MATRIX EDID DVI AUDIO

Inputs : 4x DVI, 4x Stereo Audio (3.5mm OD Jack)
Output : 4x DVI, 4x Stereo Audio (3.5mm OD Jack)

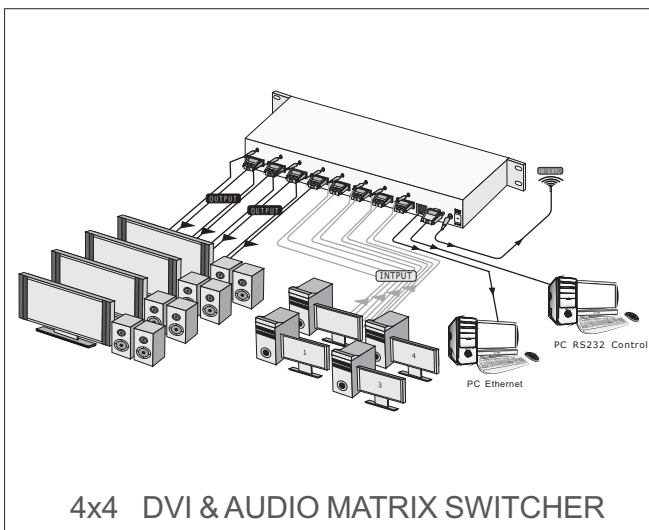


Ear Rack: 1U-440L

INTRODUCTION

The SB-8813 is high-performance 4x4 matrix routing switcher for DVI (Digital Visual Interface) and analog Stereo Audio (AR/AL) signals. This Switcher supports data rates up to 2.25 Gbps, Video Bandwidth 340MHz, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HDTV display. High Definition full Digital Video DVI signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE, FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8813 4x4 DVI & Audio Matrix Switcher



4x4 DVI & AUDIO MATRIX SWITCHER

FEATURES

1. 4x DVI & Audio signal device sources matrix switched to 4x DVI & Audio destinations.
2. DVI digital video w/embedded HDCP, DVI format and HDCP 2.0 compliant
3. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions.
4. Link speeds of up to 2.25 Gbps (link clock rate of 340MHz), Support DVI 3D formats.
5. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
6. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit.
7. Various User Interface control:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote control
 - Ethernet series control
 - Third party RS232 controller (via simple ASCII)
8. Support world wide control functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK
9. Support Embedded EDID modes :
 - Internal modes : FSS/1280x1024-60Hz/1920x1200-60Hz/Auto
 - External modes : Learning mode.
10. Automatic scanning input sources status via LED show on front panel.
11. Support ISP function to update the new F/W via RS-232 port.
12. Support IR Remote and IR Extender with distance up to ~ 984' (300M) Maximum.
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (1U-440L).
14. Support Power Supply 12VDC, 3A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

1. Type of DVI Switcher: 4x DVI inputs To 4x DVI Outputs Matrix Switcher
2. DVI Support : HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats.
3. HDCP / CEC Support : HDCP 2.0 Compliant, CEC Compliant.
4. Video Bandwidth : Double Data Rates:340MHz, Total 2.25Gbps bandwidth.
5. Video Support : Digital Visual Interface TMDS digital format signal.
6. Audio Support : Analog Stereo Audio
7. Digital Video Support: HD resolution : 1920x1200 , HDMI 480i/p / 720p / 1080i /p
8. Switch Controls :
 - 1x IR Remote Controller
 - 1x IR External port x 1 (OD 3.5mm Ear phone Jack)
 - 1x Select & Function buttons on front panel
 - 1x Ethernet serial interface
 - 1x RS 232 serial interface
 - Ethernet serial interface (AP version 2.0)
9. Ethernet Support :
10. Source Status : Automatically Scan Sources Inputs via (4) LED show out
11. Function Control Key: ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
12. Infrared Frequency: 38 Khz
13. IR External Distance: ~984 feet / 300 meters maximum.
14. DVI I/O Connector : DVI-D - (24+5) pin Female DIP Type
15. Temperature : 32 °F - 100 °F Operation (0 °C - 38 °C)
16. Dimensions : Rack Mount 1RU High 19" Rack Mount (with rack mount)
17. Rack Mount : LxWxH=19" x 9.85" x 1.75" (482mm x 250mm x 44mm)
18. Power Supply : DC12V / 3A, Universal world wide Type 50/60Hz, 100~230 VAC
19. Power Consumption: 1880 mA Maximum
20. Safety Approvals : CE, FCC, REACH.
21. Product Weight : 2.25 Kgs / 3.75 lb

SB-8811

8x8 DVI MATRIX SWITCHER

Inputs : 8x DVI Digital Video
Outputs : 8x DVI Digital Video, 1x Preview

DVI MATRIX SWITCHER PRO

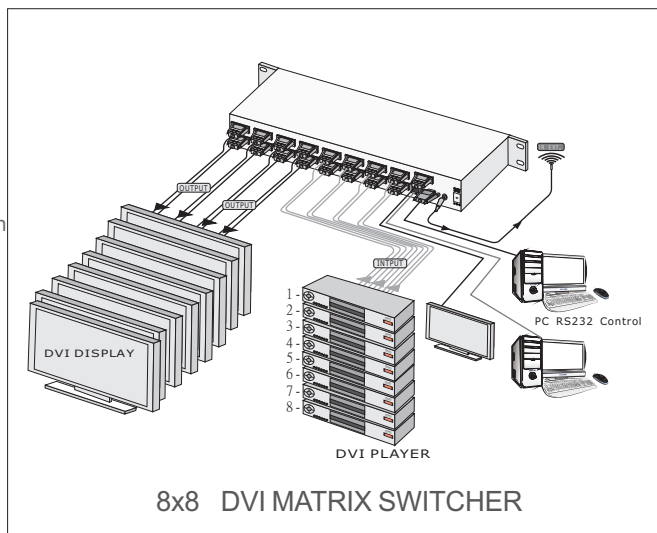


02

INTRODUCTION

The SB-8811 is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with RoHS, CE, FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8811 8x8 DVI Matrix Switcher



FEATURES

- (8)x DVI signal device sources matrix switched to (8)x DVI destination devices.
- DVI digital video w/embedded, DVI format and HDCP 2.0 compliant
- Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions.
- Link speeds of up to 2.25 Gbps (link clock rate of 225Mb Hz), Support DVI 3D formats.
- Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
- Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit.
- Various User Interface control:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote control
 - Ethernet interface series (switch control)
 - Third party RS232 controller (via simple ASCII)
- Support world wide control functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK
- Support Embedded EDID modes :
 - Internal modes : FSS/1280x1024-60Hz/1920x1200-60Hz/Auto
 - External modes : Learning mode.
- Automatic scanning input sources status via LED show on front panel.
- Support ISP function to update the new F/W via RS-232 port.
- Support IR Remote and IR Extender with distance up to ~ 984' (300M) Maximum.
- Support Rack Mount 1RU High 19 "Rack Mount with rack mount (1U-440L).
- Support Power Supply 12VDC, Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

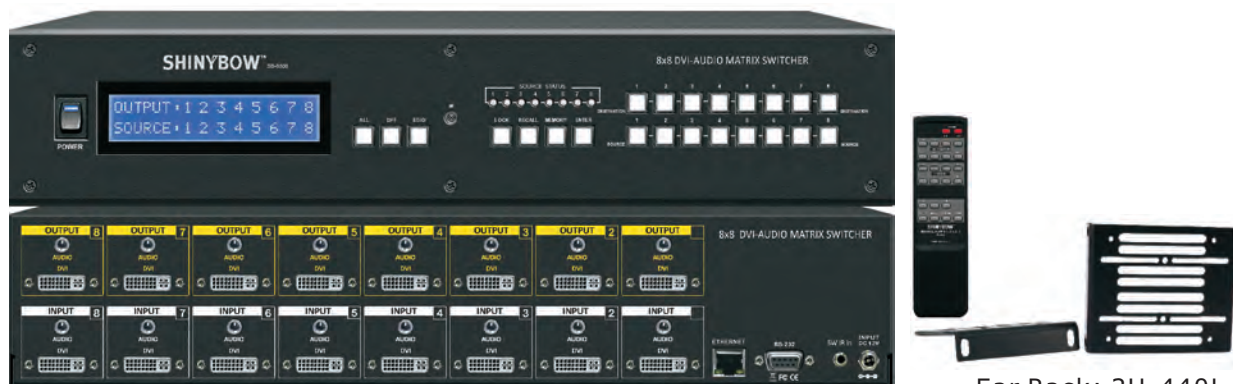
- Type of DVI Switcher: (8)x DVI inputs To (8)x DVI Outputs Matrix Switcher
- DVI Support : HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates:340Mhz, Total 6.75Gbps bandwidth.
- Digital Video Support: HD resolution : 1920x1200 , HDMI 480i/p / 720p / 1080i /p
1x IR Remote Controller
- Switch Controls :
 - 1x IR External port x 1 (OD 3.5mm Ear phone Jack)
 - 1x Select & Function buttons on front panel
 - 1x Ethernet serial interface
 - 1x RS 232 serial interface
- Ethernet Support : Ethernet serial interface (AP version 2.0)
- Source Status : Automatically Scan Sources Inputs via (4) LED show out
- Function Control Key: ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
- Infrared Frequency : 38 KHz
- IR External Distance: ~984 feet / 300 meters maximum.
- DVI I/O Connector : DVI-D - (24+5) pin Female DIP Type
- Temperature : 32 °F - 100 °F Operation (0 °C - 38 °C)
- Dimensions : Rack Mount 1RU High 19 "Rack Mount (with rack mount)
- Rack Mount : LxWxH=19 "x 9.85 " x 1.75 "(482mm x 250mm x 44mm)
- Power Supply : DC12V / 5A, Universal world wide Type 50/60Hz, 100~240 VAC
- Power Consumption: 3880 mA Maximum
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 3.55 Kgs / 7.81 lb

SB-8808

8x8 DVI & AUDIO MATRIX SWITCHER

PRO MATRIX EDID DVI AUDIO

Inputs : 8x DVI Digital Video
Output : 8x DVI Digital Video

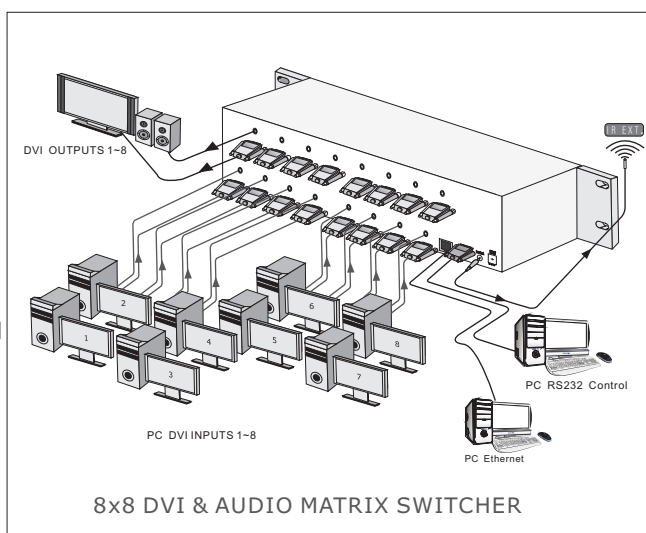


Ear Rack: 2U-440L

INTRODUCTION

The SB-8808 is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) and Stereo Audio signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE, FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8808 DVI & AUDIO MATRIX SWITCHER 8x8



FEATURES

- 8x DVI & Audio signal device sources matrix switched to 8x DVI & Audio destinations.
- DVI digital video w/embedded HDCP, DVI format and HDCP 2.0 compliant
- Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions.
- Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats.
- Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
- Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit.
- Various User Interface control:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote control
 - Ethernet series control
 - Third party RS232 controller (via simple ASCII)
- Support world wide control functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK
- Support Embedded EDID modes :
 - Internal modes : FSS/1280x1024-60Hz/1920x1200-60Hz/Auto
 - External modes : Learning mode.
- Automatic scanning input sources status via LED show on front panel.
- Support ISP function to update the new F/W via RS-232 port.
- Support IR Remote and IR Extender with distance up to ~ 984' (300M) Maximum.
- Support Rack Mount 1RU High 19 "Rack Mount with rack mount (2U-440L).
- Support Power Supply 12VDC, 5A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

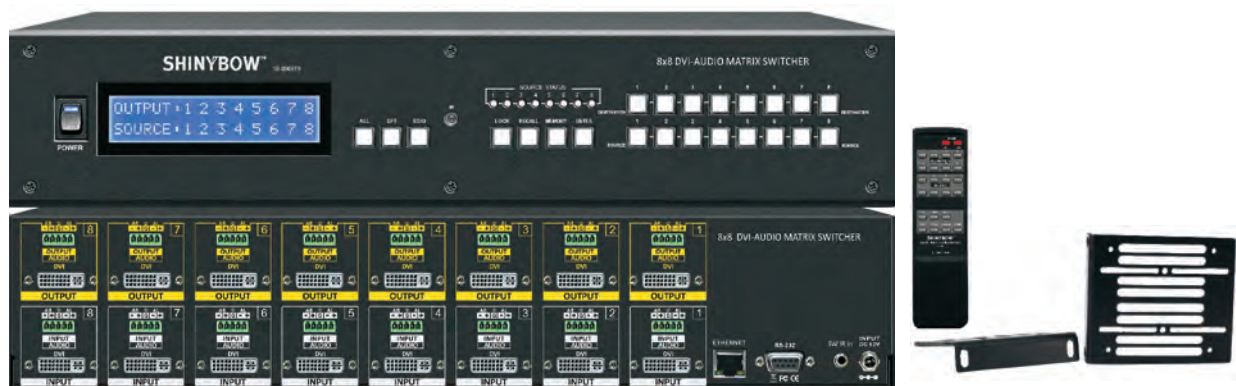
- Type of DVI Switcher: 8x DVI inputs To 8x DVI Outputs Matrix Switcher
- DVI Support : HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates:340Mhz, Total 6.75Gbps bandwidth.
- Video Support : Digital Visual Interface TMDS digital format signal.
- Audio Support : Analog Stereo Audio
- Digital Video Support: HD resolution : 1920x1200 , HDMI 480i/p / 720p / 1080i /p
- Switch Controls :
 - 1x IR Remote Controller
 - 1x IR External port x 1 (OD 3.5mm Ear phone Jack)
 - 1x Select & Function buttons on front panel
 - 1x Ethernet serial interface
 - 1x RS 232 serial interface
- Ethernet Support : Ethernet serial interface (AP version 2.0)
- Source Status : Automatically Scan Sources Inputs via (4) LED show out
- Function Control Key: ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
- Infrared Frequency : 38 KHz
- IR External Distance: ~984 feet / 300 meters maximum.
- DVI I/O Connector : DVI-D - (24+5) pin Female DIP Type
- Temperature : 32 °F - 100 °F Operation (0 °C - 38 °C)
- Dimensions : Rack Mount 1RU High 19 "Rack Mount (with rack mount)
- Rack Mount : LxWxH=19 "x 9.85 " x 3.46 "(482mm x 250mm x 88mm)
- Power Supply : DC12V / 5A, Universal world wide Type 50/60Hz, 100~240 VAC
- Power Consumption: 3880 mA Maximum
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 3.25 Kgs / 5.41 lb

SB-8808TB

8x8 DVI & AUDIO MATRIX SWITCHER

PRO MATRIX EDID DVI AUDIO

Inputs : 8x DVI, 8x Stereo Audio(Terminal Block)
Output : 8x DVI, 8x Stereo Audio(Terminal Block)



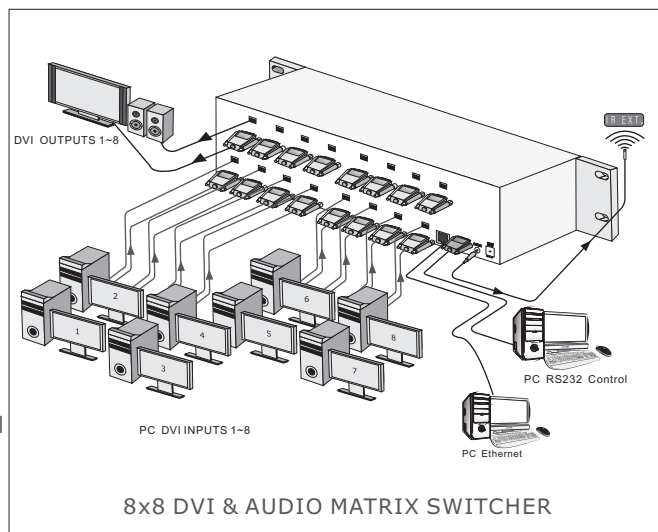
Ear Rack: 2U-440L

INTRODUCTION

The SB-8808TB is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) and Stereo Audio signal. This switcher supports Audio(Terminal Block connector), data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA/ WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously.

The Switcher is certified as being fully DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS232 Windows GUI interface is provided for matrix routing control (Windows only).

SB-8808TB DVI & AUDIO MATRIX SWITCHER 8x8



FEATURES

- 8x DVI & Audio signal device sources matrix switched to 8x DVI & Audio destinations.
- DVI digital video w/embedded HDCP, DVI format and HDCP 2.0 compliant
- Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions.
- Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats.
- Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
- Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit.
- Various User Interface control:
 - Windows based GUI control via RS232 port
 - Front Panel push button
 - IR wireless remote control
 - Ethernet series control
 - Third party RS232 controller (via simple ASCII)
- Support world wide control functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK
- Support Embedded EDID modes :
 - Internal modes : FSS/1280x1024-60Hz/1920x1200-60Hz/Auto
 - External modes : Learning mode.
- Automatic scanning input sources status via LED show on front panel.
- Support ISP function to update the new F/W via RS-232 port.
- Support IR Remote and IR Extender with distance up to ~ 984' (300M) Maximum.
- Support Rack Mount 1RU High 19 "Rack Mount with rack mount (2U-440L).
- Support Power Supply 12VDC, 5A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

- Type of DVI Switcher: 8x DVI inputs To 8x DVI Outputs Matrix Switcher
- DVI Support : HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats.
- HDCP / CEC Support: HDCP 2.0 Compliant, CEC Compliant.
- Video Bandwidth : Double Data Rates:340Mhz, Total 6.75Gbps bandwidth.
- Video Support : Digital Visual Interface TMDS digital format signal.
- Audio Support : Analog Stereo Audio
- Digital Video Support: HD resolution : 1920x1200 , HDMI 480i/p / 720p / 1080i /p
- Switch Controls :
 - 1x IR Remote Controller
 - 1x IR External port x 1 (Terminal Block (5) Pins Jack)
 - 1x Select & Function buttons on front panel
 - 1x Ethernet serial interface
 - 1x RS 232 serial interface
- Ethernet Support : Ethernet serial interface (AP version 2.0)
- Source Status : Automatically Scan Sources Inputs via (4) LED show out
- Function Control Key: ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
- Infrared Frequency : 38 Khz
- IR External Distance: ~984 feet / 300 meters maximum.
- DVI I/O Connector : DVI-D - (24+5) pin Female DIP Type
- Temperature : 32 °F - 100 °F Operation (0 °C - 38 °C)
- Dimensions : Rack Mount 1RU High 19 "Rack Mount (with rack mount)
- Rack Mount : LxWxH=19 "x 9.85 " x 3.46 "(482mm x 250mm x 88mm)
- Power Supply : DC12V / 5A, Universal world wide Type 50/60Hz, 100~230 VAC
- Power Consumption: 3880 mA Maximum
- Safety Approvals : CE, FCC, REACH.
- Product Weight : 3.25 Kgs / 5.41 lb