

4x4 HDMI Matrix Switch/Splitter with Remote Control and Multi-Resolution Scaling - 4K 60 Hz, HDR, 4:4:4

MODEL NUMBER: B119-4X4-4KL



Shares 4K video/audio from 4 HDMI sources to 4 HDMI displays. Allows any source to be routed to any display or one source routed to multiple displays.

Features

4K HDMI Matrix Switch for Digital Signage and Other Multi-Display Applications

The B119-4X4-4KL is ideal for classrooms, retail displays and storefronts, hotel lobbies and restaurants, event venues, houses of worship, home theaters and other applications in which switching multiple sources to two displays is necessary. It connects up to four 4K video sources, such as laptops, media servers, cable/satellite boxes and gaming consoles, to four 4K displays.

Switch and Stream 4K Video Across Multiple Displays in Separate Rooms

Send the same video image to all four displays or transmit different videos to each display and switch between them. Convenient push buttons on the front of the unit or RS-232 serial commands let you instantly choose which sources and displays to highlight. You can also use the included IR remote control to control your video feed from a distance – for instance, an instructor in a classroom or lecture hall giving a presentation using various laptops and projectors.

Transmits Crystal-Clear 4K Video with Stereo Sound, HDR and 4:4:4 Color

The B119-4X4-4KL supports Ultra HD resolutions up to 4096 x 2160 at 60 Hz. High Dynamic Range (HDR) provides a wide spectrum of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 encryption allows you to stream 4K content with no loss in resolution. This switch also supports uncompressed 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Built-In Scaling Lets You Mix and Match Displays of Different Resolutions

This matrix switch allows each connected monitor to display video at its maximum resolution. Integrated scaling technology ensures that a 4K video signal will display in 4K on a 4K monitor and downscale to 1080p on an older monitor. This lets you continue using tried-and-true equipment already in your application without spending money to upgrade to all-new monitors.

Instantly Switch Audio Sources and Outputs

Audio can be output simultaneously to either the 3.5 mm stereo or TOSLINK ports and quickly switched via the included remote control. The B119-4X4-4KL supports compressed audio (DTS, Dolby Digital, DTS-HD Master Audio, Dolby TrueHD) and uncompressed audio (LPCM). The remote control allows audio from Output A and Output B to be extracted independently from each source for routing to external sound systems.

Highlights

- Transmits UHD resolutions up to 4K @ 60 Hz (4:4:4) for heightened video quality
- Supports High Dynamic Range (HDR) for rich contrast and expanded color accuracy
- Allows multi-resolution scaling for mixing legacy and modern displays simultaneously
- Switches between sources via push buttons, remote control or RS-232 serial commands
- EDID DIP switch controls allow for simple installation and management of applications

System Requirements

- Source devices with HDMI output (media server, Blu-ray player, satellite/cable box, gaming console)
- Display devices with HDMI input (HDTV, projector, monitor)

Package Includes

- B119-4X4-4KL 4x4 HDMI Matrix Switch/Splitter
- IR remote control
- RS-232 to USB Micro-B power cable (M/M), 5 ft. (1.5 m)
- External power supply (Input: 100–240V, 50/60 Hz, 0.65A; Output: 12V 2A)
- (4) International plug adapters (North America, U.K., Europe, Australia)
- (4) Rubber feet
- Owner's manual



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Designed for Quick Setup and Immediate Use

Connect your sources and displays to the HDMI ports with user-supplied HDMI cables up to 16 feet (5 meters) maximum for 4K/60 Hz or 32 feet (10 meters) maximum for 4K/30 Hz and 1080p. Plug the included external power supply into an AC power source to get started. Four international plug adapters allow the matrix switch to be used globally. EDID control DIP switches allow for simplified and automatic setup to ensure optimal display performance.

Specifications

OVERVIEW	
UPC Code	037332296979
Product Type	Matrix Switch
Technology	HDMI; IR; Stereo Audio; Toslink/SPDIF
Host Connector	(4) HDMI (FEMALE)
VIDEO	
Supported Resolutions	1280x720 (720p); 1920x1080 (1080p); 3840x2160 (4K)
Max Supported Video Resolution	4096 x 2160 (4K) 60 Hz
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:2:0; 4:2:2; 4:4:4
EDID Support	Yes
Bandwidth	18 Gbps
AUDIO	
Audio Ports Details	AUDIO CHANNELS ARE SELECTABLE VIA REMOTE CONTROLSUPPORTS DUAL-WAY AUDIO EXTRACTOR FOR BOTH OUTPUT A AND OUTPUT BSUPPORTS AUDIO RETURN CHANNEL (ARC) - OUTPUT A PORTS ONLY
Audio Input	HDMI
Audio Output	RCA (x2) Stereo Audio; Toslink
Audio Specification	UNCOMPRESSED: LPCM 7.1 CHANNEL SURROUND SOUND, COMPRESSED: DTS, DOLBY DIGITAL (INCLUDING DTS-HD MASTER AUDIO AND DOLBY TRUEHD)
INPUT	
AC Power Adapter Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/7 Schuko; NEMA 1-15P North America
AC Power Adapter Input Specs (V / Hz / A)	100-240V / 50/60Hz / 0.65A
AC Power Adapter Output Specs (V / A)	12V / 2A
AC Power Adapter Cord Length (ft.)	3.94
AC Power Adapter Cord Length (m)	1.37



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Voltage Compatibility (VAC)	100; 110; 125; 127; 200; 208; 220; 230; 240
Input Frequency	50/60Hz
Redundancy - Dual Power Inputs	No
Bus Powered	No
OUTPUT	
Frequency Compatibility	50 / 60 Hz
POWER	
Power Source Type	AC Adapter
CONNECTIONS	
Number of Ports	4
Side A - Connector 1	(4) HDMI (FEMALE)
Side A - Connector 2	(1) MICRO-USB B (FEMALE)
Side B - Connector 1	(4) HDMI (FEMALE)
Side B - Connector 2	(2) 3.5MM (FEMALE)
Side B - Connector 3	(2) TOSLINK (FEMALE)
Connector Plating	Nickel
Contact Plating	Gold
Input x Output	4 x 1; 4 x 4
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Power = Blue; Output 1/2/3/4 = Blue; ARC A = Blue
PHYSICAL	
Color	Black
Material of Construction	METAL
Housing Color	Black
Rackmountable	No
Shipping Dimensions (hwd / in.)	1.97 x 10.75 x 9.13
Shipping Dimensions (hwd / cm)	5.00 x 27.30 x 23.19
Shipping Weight (lbs.)	2.15
Shipping Weight (kg)	0.98
Unit Dimensions (hwd / in.)	4.240 x 10.110 x 0.850
Unit Dimensions (hwd / cm)	10.8 x 2.15 x 25.7
Unit Dimensions (hwd / mm)	20 x 171.2 x 67



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ENVIRONMENTAL	
Operating Temperature Range	32° to 158°F (0° to 70°C)
Storage Temperature Range	14° to 176°F (-10° to 80°C)
Relative Humidity	5 to 90% RH Non-Condensing
COMMUNICATIONS	
Port Control	Push Buttons, Remote Control or RS-232 Serial
IP Remote Access	No
EDID Compatible	Yes
IR Remote Extension Support	Yes
RS-232 Serial Extension Support	Yes
Consumer Electronics Control (CEC) Supported	Yes
Switching Capacity Details	EDID, RS232, MANUAL, REMOTE CONTROL
FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	Yes
Built-In Equalizer	Yes
On-Screen Display (OSD)	No
Port Selection	Pushbutton; Remote Selector
HDCP Specification	1.4; 2.2
Driver Required	No
DIN Mountable	No
STANDARDS & COMPLIANCE	
External Power Supply Certifications	CCC; CE; FCC; GS; LPS; PSE; TUV; cUL
Product Certifications	CAN/CSA-C22.2 No. 62368-1 (Canada); EN 55032; EN 55035; ICES (Canada); IEC 62368-1; UL 62368-1
Product Compliance	CE (Europe); FCC (USA); RoHS; UKCA
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	3-year limited warranty



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