

4x2 HDMI Matrix Switch/Splitter with Remote Control and Multi-Resolution Scaling - 4K 60 Hz, HDR, 4:4:4

MODEL NUMBER: B119-4X2-4KL



Shares 4K video/audio from 4 HDMI sources to 2 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 B119-4X2-4KL 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 two 4K displays.

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

Send the same video image to two displays or transmit different videos to each display and switch between them. Convenient push buttons on the front of the unit 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 B119-4X2-4KL 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 B119-4X2-4KL 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 or the included remote control
- 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

- B119-4X2-4KL 4x2 HDMI Matrix Switch/Splitter
- IR remote control
- USB-A to USB-C power cable (M/M), 3 ft. (0.9 m)
- Owner's manual

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 USB power cable into a USB or AC power source to get started. EDID control DIP switches allow for simplified and automatic setup to ensure optimal display performance.

Specifications

| OVERVIEW | |
|---|---|
| UPC Code | 037332296962 |
| Product Type | Matrix Switch |
| Technology | HDMI; IR; Stereo Audio; Toslink/SPDIF |
| Host Connector | (2) 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 the included remote control Supports dual-way audio extractor for both Output A and Output B Output A supports Audio Return Channel (ARC) |
| Audio Output | RCA (x2) Stereo Audio; Toslink |
| Audio Specification | Supports compressed audio formats including DTS, Dolby Digital (including DTS-HD Master Audio and Dolby TrueHD) and uncompressed audio such as LPCM |
| 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 / 0.4A |
| AC Power Adapter Output Specs (V / A) | 5V / 2A |
| AC Power Adapter Cord Length (ft.) | 4.5 |
| Voltage Compatibility (VAC) | 100; 110; 125; 127; 200; 208; 220; 230; 240 |
| Input Frequency | 50/60Hz |
| Redundancy - Dual Power Inputs | No |



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|--|---|
| Bus Powered | No |
| OUTPUT | |
| Frequency Compatibility | 50 / 60 Hz |
| POWER | |
| Power Source Type | AC Adapter |
| CONNECTIONS | |
| Number of Ports | 2 |
| Side A - Connector 1 | (4) HDMI (FEMALE) |
| Side B - Connector 1 | (2) HDMI (FEMALE) |
| Connector Plating | Nickel |
| Contact Plating | Gold |
| Input x Output | 4 x 2; 1 x 2 |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | Power = Blue; Output 1/2 = Blue; ARC A = Blue |
| PHYSICAL | |
| Color | Black |
| Material of Construction | METAL |
| Housing Color | Black |
| Rackmountable | No |
| Shipping Dimensions (hwd / in.) | 2.36 x 9.57 x 7.72 |
| Shipping Dimensions (hwd / cm) | 5.99 x 24.31 x 19.61 |
| Shipping Weight (lbs.) | 1.27 |
| Shipping Weight (kg) | 0.58 |
| Unit Dimensions (hwd / in.) | 0.790 x 6.740 x 2.640 |
| Unit Dimensions (hwd / mm) | 20 x 171.2 x 67 |
| Mounting Details | Surface mount bracket and screws |
| 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 |



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| IP Remote Access | No |
| EDID Compatible | Yes |
| IR Remote Extension Support | Yes |
| RS-232 Serial Extension Support | No |
| Consumer Electronics Control (CEC) Supported | Yes |
| Switching Capacity Details | Pushbutton, IR Remote |
| 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 |

1000 Eaton Boulevard
Cleveland, OH 44122
United States
<https://tripplite.eaton.com>

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