

2x1 Bi-Directional HDMI Switch - 4K 60 Hz, HDR, HDCP Passthrough

MODEL NUMBER: **B119-002-BDS**



Switches between 2 video sources on a single display or switches one video source between 2 displays up to 4K 60 Hz.

Features

Connect 2 Audio/Video Sources to a Display or 2 Displays to a Single A/V Source

The B119-002-BDS connects two HDMI source devices to one HDMI display and lets you switch back and forth between them. Or you can connect two displays to a single source and switch between the displays. This bi-directional HDMI switch works with a wide range of sources (media servers, Blu-ray players, game consoles, etc.) and displays (televisions, monitors, projectors) to let you customize your A/V installation.

Suitable for a Wide Range of Audio/Video Applications for Work or Play

This switch is recommended anywhere a variety of video signals is transmitted to a hi-def display. It is suitable for home theaters, video and multimedia presentations, security applications or digital signage in classrooms, bars, restaurants, conference rooms, lecture halls, exhibition centers and trade shows.

Transmits Crystal-Clear 4K Video with HDR and 4:4:4

This HDMI switch supports Ultra HD 4K resolutions at 60 Hz with 48-bit True Color (16 bits per channel) and compressed and uncompressed audio. It also supports HDR (High Dynamic Range), providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP passthrough allows you to stream 4K content with no loss in resolution. This switch also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Plug-and-Play Operation for Quick Setup and Immediate Use

The switch works right out of the box with no software or external power required. Connect your devices to the switch's HDMI ports with user-supplied HDMI cables (sold separately), and plug the switch's built-in HDMI cable into another device. Use the push button on top of the unit to switch between the dual ports.

Highlights

- Recommended for digital signage, home theaters and 4K video presentations
- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) with High Dynamic Range (HDR)
- Convenient push button allows quick switching between sources or displays
- HDCP passthrough allows 4K signals from source to display with no loss in resolution
- Plug-and-play operation with no software required for easy, immediate installation

Package Includes

- B119-002-BDS 2x1 Bi-Directional HDMI Switch
- Installation Instructions

Specifications

OVERVIEW	
UPC Code	037332288745
Product Type	Switch



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Technology	HDMI
VIDEO	
Max Supported Video Resolution	3840 x 2160 @60Hz
Max. Distance (Between any 2 Units)	It is recommended to connect a HDMI 2.1 Cable within 3m distance, anything over this length the signal may be affected.
Max Supported Color Depth	12-bit
HDR Support	Yes
3D Video Supported	No
Chroma Sub Sampling	4:2:0; 4:4:4
AUDIO	
Audio Specification	Supports transmission of uncompressed/compressed audio
INPUT	
Built-In Cable Length (ft.)	1.64
Built-In Cable Length (cm)	50
Bus Powered	Yes
POWER	
Power Source Type	Bus
Power Over Cable (PoC) Support	No
CONNECTIONS	
Number of Ports	2
Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	HDMI (FEMALE)
Input x Output	2 x 1; 1 x 2
PHYSICAL	
Color	Black
Material of Construction	PC+ABS
Rackmountable	No
Shipping Dimensions (hwd / in.)	5.31 x 6.49 x 0.90
Shipping Dimensions (hwd / cm)	13.50 x 16.50 x 2.30
Shipping Weight (lbs.)	0.15
Shipping Weight (kg)	0.07
Unit Dimension Details	Main Switch: 2.16 x 2.16x 0.59 in (55 x55 x 15 (mm)) Built in HDMI cable: 1.6ft (50cm)



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Unit Dimensions (hwd / in.)	0.500 x 1.000 x 22.000
Unit Weight (lbs.)	0.139
Unit Weight (kg)	0.06
ENVIRONMENTAL	
Operating Temperature Range	14° to 113°F (-10° to 45°C)
Storage Temperature Range	14° to 158°F (-10° to 70°C)
Relative Humidity	10% - 90%, RH, (Non-condensing)
COMMUNICATIONS	
Signal Range (ft.)	9
Signal Range (m)	3
EDID Compatible	No
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	No
FEATURES & SPECIFICATIONS	
10/100 Ethernet Extension Support	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	No
Port Selection	Pushbutton
Driver Required	No
DIN Mountable	No
STANDARDS & COMPLIANCE	
Product Compliance	CE (Europe); FCC (USA); RoHS; UKCA; WEEE
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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