

4x4 HDMI Matrix Switch/Splitter with Audio Extractor, Remote Access and Multi-Resolution Support, 4K 60 Hz, HDR

MODEL NUMBER: B302-4HX4H-4K



Shares true 4K video and stereo sound from 4 different HDMI sources among 4 separate HDMI displays.

Features

HDMI Matrix Switch for Digital Signage or Other Applications with Multiple Video Displays

This matrix switch/splitter features four HDMI inputs and four HDMI outputs. This allows you to connect as many as four high-definition video sources, such as laptops, Blu-ray players, video game systems, Roku boxes, media servers or cable/satellite boxes, and transmit them to four high-definition televisions, projectors or monitors. The B302-4HX4H-4K is recommended for home theaters (transmit to HDTVs located in different rooms) or digital signage applications in showrooms, restaurants, trade shows, schools, training rooms and retail settings.

Enjoy Great Flexibility in Transmitting Video to Different Displays or Even Different Rooms

Send the same video image to all displays or transmit different videos to different displays 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 hardware, RS-232 serial commands (cable sold separately) or the included GUI software to pick and choose. Remote access of the matrix switch/splitter is possible by configuring your network to match its pre-assigned IP address.

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

The B302-4HX4H-4K supports Ultra HD resolutions up to 4096 x 2160 (4K x 2K) at 60 Hz, as well as HDR video, providing a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks that pop on your 4K display. HDCP 2.2 compliance allows you to stream 4K Amazon and Netflix content with no complications. This switch also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Multi-Resolution Support Allows Mixing and Matching of Displays of Different Resolutions

Say you have a brand new 4K (at 60 Hz) HDTV in the living room, but want to also connect your Blu-ray player or satellite box to the older 1080p TV in the bedroom. The B302-4HX4H-4K is backward compatible with 4K (at 30 Hz) and 1080p (at 60 Hz) resolutions via automatic switching. This matrix switch/splitter allows each connected monitor to display video at its maximum resolution. Most other splitters default each monitor to the lowest common resolution (meaning you would only get a 1080p image on that new 4K TV).

Convenient Scene Storage and Instant Recall

You can store as many as 12 different display or scene combinations in the matrix switch's internal memory. Mix and match any sources you want with the displays you want and save it to memory. Forgot which source/display combination you used last week or accidentally changed one of the sources or displays? Don't worry – use the recall feature to bring back the combination you had last.

Built-In Audio Extractor Lets You Control Sound, as Well as Picture

The 3.5 mm audio jacks located above each HDMI output allow you to connect an amplifier, receiver or soundbar for digital stereo sound.

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video quality
- Carries High Dynamic Range (HDR) signals for rich contrast and expanded color accuracy
- Allows storage and instant recall of saved or pre-programmed display combinations
- Supports multi-resolution output for mixing and matching displays of various resolutions
- Permits easy network configuration to match the unit's pre-assigned IP address

Applications

- Duplicate audio/video content across 4 displays or show different content on all screens in your home, classroom, retail location, conference room or trade show
- Keep your video sources in a secure location, with displays located elsewhere for viewing by the intended audience
- Rotate up to 4 different sporting events on 4 TVs in your bar or restaurant
- Create an easily updatable video board communicating dynamic information, such as a restaurant menu or a theater schedule
- Display arrivals, departures and up-to-the-minute information in an airport or train station



Designed for Quick Setup and Immediate Use

Connect your devices to the HDMI ports with user-supplied HDMI cables (such as Tripp Lite's P569-Series), and plug the included external power supply (with four international plug adapters to ensure use all over the world) into an AC power source to get started. Use the included hardware to install the unit on a wall or 19-inch rack. A CD is included for downloading the optional GUI control software (not compatible with macOS).

System Requirements

- Source devices with HDMI output (media server, Blu-ray player, satellite/cable box)
- Display devices with HDMI input (HDTV, projector, monitor)
- GUI control software compatible with Windows only

Package Includes

- B302-4HX4H-4K 4x4 HDMI Matrix Switch/Splitter
- IR remote control
- IR receiver cable, 4 ft.
- External power supply with 4 ft. cord (Input: 100–240V, 50/60 Hz, 0.9A; Output: 12V 3A)
- (4) International plug adapters (North America, U.K., Europe, Australia)
- Rack-mounting hardware
- Driver CD
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332256560
Technology	HDMI; HDR; IR
VIDEO	
Max Supported Video Resolution	4096 x 2160 @60Hz
Max Supported Color Depth	36-bit Deep Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4
AUDIO	



Audio Specification	Stereo Audio
INPUT	
Voltage Compatibility (VAC)	100; 110; 120; 125; 127; 200; 208; 220; 230; 240
External Power Supply Plug(s)	AS/NZS 3112 Australia; BS 1363 UK; CEE 7/16 Schuko; NEMA 1-15P North America
POWER	
External Power Supply Input Specs (V / Hz / A)	100-240V~50/60Hz, 0.9A
External Power Supply Output Specs (V / A)	12V/3A
External Power Supply Cord Length (ft.)	3.9
External Power Supply DC Barrel Connector Specs	5.5 x 2.5 x 7.5mm, Positive Pin, Negative Sleeve
External Power Supply Certifications	CE; ETL; GS; TUV
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	RJ45 Port: Green (Power), Yellow (Signal/Data), Pushbuttons: Blue
PHYSICAL	
Color	Black
Material of Construction	Steel
Rackmountable	Yes
Unit Dimensions (hwd / in.)	17.32 x 7.87 x 1.73
Unit Packaging Type	Box
Unit Weight (kg)	2.48
Unit Weight (lbs.)	5.47
ENVIRONMENTAL	
Operating Temperature Range	32 to 113°F (0 to 45°C)
Storage Temperature Range	14 to 176°F (-10 to 80°C)
Operating Humidity Range	10% to 85% RH, Non-Condensing
Storage Humidity Range	5% to 90% RH, Non-Condensing
COMMUNICATIONS	
EDID Compatible	Yes
CONNECTIONS	
Ports	4



Side A - Connector 1	3.5MM (FEMALE); DB9 (FEMALE); (4) HDMI (FEMALE); RJ45 (FEMALE)
Side B - Connector 1	(4) 3.5MM (FEMALE); (4) HDMI (FEMALE)
FEATURES & SPECIFICATIONS	
Port Selection	Pushbutton; Remote Selector; Software
HDCP Specification	2.2
SPECIAL FEATURES	
DIN Mountable	No
Integrated/Removable Cable	No
MST Support	No
Included Mounting Accessory	No
Multi-Resolution Support	No
STANDARDS & COMPLIANCE	
Certifications	Tested to CE, FCC, RoHS, REACH
WARRANTY	
Product Warranty Period (Worldwide)	3-year limited warranty

© 2021 Tripp Lite. All rights reserved. All product and company names are trademarks or registered trademarks of their respective holders. Use of them does not imply any affiliation with or endorsement by them. Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Tripp Lite uses primary and third-party agencies to test its products for compliance with standards. See a list of Tripp Lite's testing agencies: <https://www.tripplite.com/products/product-certification-agencies>