Tripp Lite
1111 W. 35th Street
Chicago, IL 60609 USA
Telephone: 773.869.1234
www.tripplite.com

This product supports 4K 60 Hz 4:4:4 subsampling for HDR televisions. To ensure optimal performance, check the factory default settings on your display:

- Frequency (Hz) should be set to 60 Hz
- HDR feature should be enabled
- HDMI input settings should be set to 2.0
- UHD Deep Color should be set to ON

1x2 HDMI over Cat6 Extender/Splitter Kit, Transmitter/Receiver, 4K 60 Hz, PoC, HDR, 4:4:4, 125 ft., TAA

MODEL NUMBER: **B127-2A1-HH**







Transmitter/receiver kit extends a 4K HDMI audio/video signal via Cat6 cable to 2 projectors, monitors or HDTVs up to 125 ft. away.

Features

HDMI Splitter Ideal for Digital Signage or Displaying Video in Schools or Trade Show Booths This complete transmitter and receiver system is recommended for home theaters and video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings and other digital signage applications where the source and display are farther apart than conventional A/V cables allow. The B127-2A1-HH splits and extends a 4K video and stereo audio signal from an HDMI source device to two HDMI displays up to 125 feet (38 meters) away via user-supplied Cat6 cabling.

Built-In PoC Technology Provides Receiver Power to Avoid Bulky External Power Bricks Built-in Power over Cable (PoC) technology powers the low-profile receiver over Cat6 cable. Green and orange LEDs on both the transmitter and receiver will light up to indicate the system is receiving power and a signal is being transmitted. PoC lets you avoid the hassle of a bulky power brick and gives you the freedom to place the receiver away from an AC outlet.

Transmits Crystal-Clear 4K HDMI Video with Multi-Channel Audio, HDR and 4:4:4 Color The B127-2A1-HH supports Ultra HD video resolutions up to 4K x 2K (3840 x 2160) at 60 Hz with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. Built-in equalization automatically fine-tunes the image quality at the remote displays with no time-consuming manual fiddling needed. High Dynamic Range (HDR) signals provide a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks. HDCP 2.2 compliance allows you to stream iTunes and Netflix content with no complications. This kit 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 included transmitter and receiver

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) for crystal-clear video
- Power over Cable (PoC) technology provides power to the receiver via Cat6 cable
- Transmitter's local port shows you the UHD image being displayed up to 125 ft. away
- Supports High Dynamic Range (HDR) for richer contrast and expanded color accuracy
- Plug-and-play operation with no software required for easy, immediate installation

Applications

- Connect a media server, Blu-ray player, cable/satellite box, Roku, gaming system or other home theater component to large-screen 4K televisions or projectors
- Upgrade the video quality of your trade show presentation or digital signage installation in a commercial or educational setting to 4K x 2K
- Set up digital signage with a single video signal being transmitted to multiple displays

System Requirements

- Source device with HDMI output (Blu-ray player, cable box, laptop)
- Display devices with HDMI input (HDTV, projector, monitor)

Package Includes

- Transmitter unit
- Receiver unit
- External power supply (Input: 100–240V)
- (4) International plug adapters (North America, Europe, U.K. and Australia)
- Mounting hardware
- Owner’s manual

units work right out of the box with no software required. Mounting hardware is included for installing the units on walls, poles or 19-inch racks. Connect the transmitter to the source and the receiver to the displays with user-supplied HDMI cables (such as Tripp Lite's P568- or P569-Series). Then, connect the two units using Cat6 Ethernet cable (such as Tripp Lite N202-Series cable). Connect an optional display to the transmitter's local HDMI output to monitor the image connected to the receiver up to 125 feet away.

TAA-Compliant for GSA Schedule Purchases The B127-2A1-HH is compliant with the Federal Trade Agreements Act (TAA), which makes it eligible for GSA (General Services Administration) Schedule and other federal procurement contracts.

Specifications

OVERVIEW	
UPC Code	037332253880
Product Type	Extender Kit
Technology	HDMI; Cat5/5e; Cat6; POC
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Max Supported Video Resolution	3840x2160 (4K @ 60Hz)
Max 1280 x 720 (720p) Range (ft)	200
Max 1920 x 1080 (1080p) Range (ft)	200
Max 1920 x 1200 Range (ft)	150
Max 2560 x 1600 Range (ft)	150
Max 3840 x 2160 (4K@30Hz) Range (ft)	150
Max 3840 x 2160 (4K@60Hz) Range (ft)	125
Transmitter Video Input	HDMI
Transmitter - Number of Video Outputs	1
Transmitter - Local Display Output	HDMI
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	2
Recommended Cabling	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
Max Supported Color Depth	24-bit True Color
HDR Support	Yes
3D Video Supported	Yes
Chroma Sub Sampling	4:4:4

Maximum Signal Range (ft)	125
Maximum Signal Range (m)	38
AUDIO	
Audio Input	HDMI
Audio Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD
INPUT	
Bus Powered	No
POWER	
Power Source Type	AC Adapter
AC Plug Type	NEMA 1-15P; BS1363; CEE 7/16 Schuko; AS/NZS 3112
Power Source	Transmitter end only (Included)
Power Over Cable (PoC) Support	Yes
External Power Supply Input Specs (V / Hz / A)	100-240V / 50-60Hz / 0.6A
External Power Supply Output Specs (V / A)	24V/1A
External Power Supply Cord Length (ft.)	4.5
External Power Supply Cord Length (m.)	1.37
USER INTERFACE, ALERTS & CONTROLS	
LED Indicators	Tx: x1 Green (Power), x2 Orange (Local, Output); Tx RJ45 port: Green (Connected), Orange (Activity) Rx: x1 Green (Power); x2 Orange (Output); Rx RJ45 port: Green (Connected), Orange (Activity)
PHYSICAL	
Material of Construction	Metal
Color	Black
Included Mounting Accessories	Wallmount
Number of Displays	2
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Receiver Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46
Receiver Unit Weight (lbs.)	0.45
Transmitter Unit Dimensions (hwd / in.)	1.06 x 4.53 x 2.46

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Transmitter Unit Weight (lbs.)	0.45
Unit Packaging Type	Box
Housing	Metal
ENVIRONMENTAL	
Operating Temperature Range	32 to 104°F (0 to 40°C)
Storage Temperature Range	5 to 122°F (-15 to 50°C)
Relative Humidity	0% to 85% RH, Non-Condensing
COMMUNICATIONS	
Signal Range (ft.)	125
Signal Range (m)	38
EDID Compatible	Yes
IR Remote Extension Support	No
RS-232 Serial Extension Support	No
Consumer Electronics Control (CEC) Supported	Yes
USB Extension Support	No
CONNECTIONS	
Side A - Connector 1	(2) HDMI (FEMALE)
Side A - Connector 2	RJ45 (FEMALE)
Side B - Connector 1	(2) HDMI (FEMALE)
Side B - Connector 2	RJ45 (FEMALE)
FEATURES & SPECIFICATIONS	
HDCP Specification	2.2
Driver Required	No
Recommended Category Cable	Solid Wire Cat6 Cables (Tripp Lite's N202-Series)
10/100 Ethernet Extension Support	No
DIN Mountable	No
Integrated/Removable Cable	No
MST Support	No
Mounting Accessory Included	No
Multi-Resolution Support	No
Built-In Equalizer	Yes
STANDARDS & COMPLIANCE	

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External Power Supply Certifications	CCC; CE; FCC; GS; TUV; UL; cUL
Certification & Compliance	CE (Europe); RoHS; REACH; FCC (USA)
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty

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