

# HDMI over Cat6 Active Remote Receiver, 4K 60 Hz, HDR, PoC, Multi-Resolution Support, 125 ft., TAA

MODEL NUMBER: **B127P-100-H**



Works with Tripp Lite B127P-Series transmitters to extend a 4K x 2K HDMI audio/video signal via Cat6 cable up to 125 ft.

## Features

**4K Receiver Extends HDMI Signals for Digital Signage or Video Presentations** This box-style active remote receiver works in tandem with B127P-002-H or B127P-004-H transmitter to extend 4K video (at 60 Hz) and stereo audio from an HDMI source to an HDMI display up to 125 feet (38.1 meters) using Cat6 cabling. It can also extend a 4K HDMI signal (at 30 Hz) up to 150 feet (45.7 meters) and a 1080p HDMI signal (at 60 Hz) up to 200 feet (61 meters).

**Ideal for Settings Where Conventional HDMI Cables Can't Reach** The B127P-100-H is recommended for 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.

**Supports Crystal-Clear 4K HDMI Video with Multi-Channel Audio and 4:4:4 Color** The B127P-100-H supports Ultra HD video resolutions up to 4K x 2K (3840 x 2160) at 60 Hz, as specified in HDMI 2.0, with full, rich uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. This receiver is capable of carrying HDR signals, which provides a wide range of vibrant colors with richer contrast, brighter whites and deeper blacks. It supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor. HDCP 2.2 compliance allows you to stream iTunes and Netflix content with no complications.

**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 B127P-100-H works with a B127P-002-H or B127P-004-H splitter/transmitter to allow up to four televisions to display video at their maximum resolution. Most other video applications default each television to the lowest common resolution, meaning you would only get a 1080p image on that new 4K TV.

**Built-In PoC Technology Provides 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 will light up to indicate the unit is receiving power and a signal is being received. 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.

**Plug-and-Play Operation for Quick Setup and Immediate Use** The receiver works right out of the box

## Highlights

- Requires B127P-002-H or B127P-004-H transmitter to extend HDMI signals
- 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
- Supports High Dynamic Range (HDR) for richer contrast and expanded color accuracy
- Supports multi-resolution output to allow for combination of different display types

## Applications

- Connect a media server, Blu-ray player, cable/satellite box, Roku, gaming system or other home theater component to a large-screen 4K television or projector
- 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 monitors, each displaying its maximum resolution
- Mount a security camera in an out-of-the-way spot without the burden of placing it near an AC outlet

## System Requirements

- B127P-002-H or B127P-004-H transmitter
- Display device with HDMI input (HDTV, projector, monitor)

## Package Includes

- B127P-100-H HDMI over Cat6 Active Remote Receiver
- Mounting hardware
- Owner's manual



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with no software or external power supply required. Mounting hardware is included for installing it on a wall, pole or 19-inch rack. Connect the receiver to the display with a user-supplied high-speed HDMI cable (such as P568- or P569-Series) and to the transmitter with Cat6 patch cable (such as N202-Series cable).

**TAA-Compliant for GSA Schedule Purchases**The B127P-100-H 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	037332239204
Product Type	Receiver
Technology	HDMI; Cat5/5e; Cat6; POC
VIDEO	
Video Input	HDMI (FEMALE)
Video Output	HDMI (FEMALE)
Max Supported Video Resolution	3840 x 2160 (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
Receiver/Transceiver Video Output	HDMI
Receiver - Number of Video Outputs	1
Recommended Cabling	N202-Series Cat6 Solid Wire Cables
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 Output	HDMI
Audio Specification	7.1 Channel Surround Sound, DTS-HD and Dolby TrueHD

<b>INPUT</b>	
Bus Powered	No
<b>POWER</b>	
Power Over Cable (PoC) Support	Yes
<b>USER INTERFACE, ALERTS &amp; CONTROLS</b>	
LED Indicators	Rx: x1 Green (Power); Rx RJ45 port: Green (Connected), Orange (Activity)
<b>PHYSICAL</b>	
Color	Black
Material of Construction	Metal
Included Mounting Accessories	Wallmount
Number of Displays	1
Form Factor/Mounting Options	Box; Wall-mount
Rackmountable	Yes
Unit Dimensions (hwd / in.)	1.060 x 4.530 x 2.460
Unit Packaging Type	Box
Unit Weight (lbs.)	0.45
Unit Weight (kg)	0.20
Housing	Metal
<b>ENVIRONMENTAL</b>	
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
<b>COMMUNICATIONS</b>	
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
<b>CONNECTIONS</b>	



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Side A - Connector 1	HDMI (FEMALE)
Side B - Connector 1	RJ45 (FEMALE)
Daisy-chainable / Cascadable	No
<b>FEATURES &amp; SPECIFICATIONS</b>	
10/100 Ethernet Extension Support	No
Multi-Resolution Support	Yes
Built-In Equalizer	Yes
HDCP Specification	2.2
Driver Required	No
Recommended Category Cable	N202-Series Cat6 Solid Wire Cables
<b>STANDARDS &amp; COMPLIANCE</b>	
Product Compliance	RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA)
<b>WARRANTY &amp; SUPPORT</b>	
Product Warranty Period (Worldwide)	1-year limited warranty

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

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