

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 PurchasesThe 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 |



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| INPUT | |
|--|--|
| Bus Powered | No |
| POWER | |
| Power Over Cable (PoC) Support | Yes |
| CONNECTIONS | |
| Side A - Connector 1 | HDMI (FEMALE) |
| Side B - Connector 1 | RJ45 (FEMALE) |
| Daisy-chainable / Cascadable | No |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | Rx: x1 Green (Power); Rx RJ45 port: Green (Connected), Orange (Activity) |
| PHYSICAL | |
| 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 |
| 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 |



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|--|---|
| Consumer Electronics Control (CEC) Supported | Yes |
| USB Extension Support | No |
| FEATURES & SPECIFICATIONS | |
| 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 |
| STANDARDS & COMPLIANCE | |
| Product Compliance | RoHS; CE (Europe); REACH; FCC (USA); Trade Agreements Act (TAA) |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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