Owner's Manual

HDMI Over Cat6 Pigtail Extender Kits and Receiver with Repeater, 4K/60 Hz

Extender Kit: B127U-111-PHPH
2-Port Splitter Kit: B127U-002-PHPH2
Receiver with Repeater: B127U-110-PH

WARRANTY REGISTRATION

Register your product today and be automatically entered to win an ISOBAR® surge protector in our monthly drawing!

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Product Features

B127U-111-PHPH

- HDMI over Cat6 Pigtail Transmitter and Receiver with Repeater Kit
- Extends a 4K x 2K (3840 x 2160) @ 60 Hz A/V signal up to 230 ft. (70 m) from the source over 24 AWG Cat6 cabling
- Transmitter and receiver units can be powered by the built-in 1 ft. USB-A cables for connecting to the USB port on a display or to a USB power adapter, or by the Micro-USB ports on each unit
- 1 ft. HDMI connectors on transmitter and receiver units connect to the source and display
- View the transmitted video content on a local display via the 4K/60 Hz HDMI port on the transmitter unit
- Compatible with DisplayPort (B127U-110-PD) and HDMI (B127U-110-PH) receivers to create flexible daisychain installations with multiple video outputs
- Daisychainable up to 4 layers, with each additional B127U-110-PH receiver unit (sold separately) providing an additional 230 ft., up to a total of 920 ft. (280 m)
- Supports passthrough audio formats up to 7.1-channel surround sound
- Real-time video compression and decompression technology
- Compatible with HDCP 2.2 and 1.4 and High Dynamic Range (HDR)

Product Features

B127U-002-PHPH2

- 2-Port HDMI over Cat6 Pigtail Splitter and Receivers Kit
- Extends a 4K x 2K (3840 x 2160) @ 60 Hz A/V signal to two displays up to 230 ft. (70 m) from the source over 24 AWG Cat6 cabling
- Transmitter and receiver units are powered by built-in 1 ft. USB-A cables for connecting to the USB port on a display or to a USB power adapter
- Multi-Resolution technology allows the receivers to connect to any 1080p, 4K/30 Hz or 4K/60 Hz display without affecting the resolution of the other displays connected to the splitter
- **Optionally,** power transmitter and receiver units via Micro-USB ports on each unit
- 1 ft. HDMI connectors on transmitter and receiver units connect to the source and display
- Supports passthrough audio formats up to 7.1-channel surround sound
- Real-time video compression and decompression technology
- Compatible with HDCP 2.2 and 1.4 and High Dynamic Range (HDR)
- Compatible with DisplayPort (B127U-110-PD) and HDMI (B127U-110-PH) receivers to create flexible daisychain installations with multiple video outputs. Each port on the splitter can extend up to four connected receivers, for a total of eight receivers and 920 ft. (280 m) per daisychain (sold separately).

Product Features

B127U-110-PH

- HDMI over Cat6 Pigtail Receiver with Repeater
- Extends a 4K x 2K (3840 x 2160) @ 60 Hz A/V signal up to 230 ft. (70 m) from the source when connected to a B127U-Series transmitter or splitter unit over 24 AWG Cat6 cabling
- Powered by built-in 1 ft. USB-A cable for connecting to the USB port on a display or to a USB power adapter
- **Optionally,** power the unit via the Micro-USB port
- 1 ft. HDMI pigtail connector is used to connect to the display
- Supports passthrough audio formats up to 7.1-channel surround sound
- Real-time video compression and decompression technology
- Compatible with HDCP 2.2 and 1.4 and High Dynamic Range (HDR)
- Compatible with any B127U-Series transmitter or splitter to create flexible DisplayPort and HDMI video installations
- Daisychainable up to 4 layers, with each additional B127U-110-PH receiver unit (sold separately) providing an additional 230 ft., up to a total of 920 ft. (280 m)

Optional Accessories

- N202-Series Cat6 24 AWG Solid Wire Patch Cables
- U280-W01-QC3-1 USB-A Wall Adapter, 18 Watts
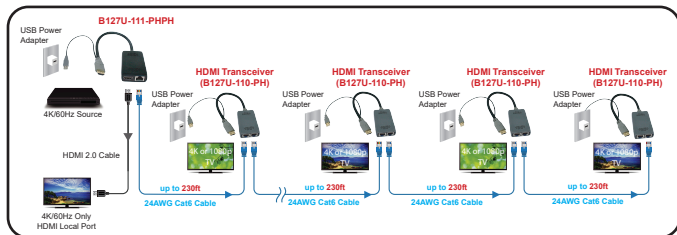- B127U-110-PD DisplayPort over Cat6 Receiver with Repeater

Installation

Standard Extender Kit Installation

Notes:

- *Test to ensure the entire installation works properly before pulling cables through ceilings/walls.*

- *To achieve maximum distance and performance, use 24 AWG solid wire Cat6 cable. Using stranded wire Cat6 cable or cable with a gauge (AWG) size higher than 24 AWG will result in shorter extension distance. Higher-gauge cabling, such as 26 AWG, has a more limited transmission capability than lower-gauge cabling. All Tripp Lite N202-Series Cat6 cables are made with 24 AWG solid wire cabling.*

- *The installation diagram shows a B127U-111-PHPH extender kit.*

- *The diagram shows additional B127U-110-PH receiver units (sold separately, see tripplite.com) in a daisy-chain installation.*

- *The B127U-Series of transmitter/receiver units can be mixed and matched as desired with either HDMI or DisplayPort video outputs within one installation. The B127U-Series HDMI transmitter products can be used with the B127U-110-PD DisplayPort receiver (and vice-versa) with the B127U-Series DisplayPort transmitter and B127U-110-PH HDMI receiver. Up to four receivers can be daisychained at once.*

Installation

1. Make sure all equipment in the installation – such as TVs, Blu-ray players and the transmitter – is powered off.

2. Connect the pigtail HDMI connector on the transmitter unit to the HDMI input on the source.

Optional: Using an HDMI 2.0 cable (such as Tripp Lite's P569-XXX-CERT or P568-XXX-2A Series cables), connect a display to the LOCAL port on the transmitter unit.

3. Using 24 AWG solid wire Cat6 cable, connect the RJ45 port on the local transmitter unit to the RJ45 input port on the remote receiver unit.

4. Connect the pigtail HDMI connector on the remote receiver unit to the HDMI port on the display.

5. Connect the pigtail USB-A connector on the local transmitter unit to a USB 3.0 port or a USB power adapter (5V/1A) and into a wall power outlet. The LED next to the RJ45 port will illuminate solid green to indicate the unit is receiving power.

Installation

6. Connect the pigtail USB-A connector on the remote receiver unit to a USB power adapter (5V/1A) or a USB 3.0 port on the display. The LEDs next to the RJ45 connectors will illuminate orange to indicate the ports are receiving power.

Optional: The transmitter and receiver units can be charged via the Micro-USB ports on each unit by connecting a Micro-USB to USB-A cable between each unit and a USB power adapter.

7. Turn on the power to your connected TVs/monitors.

8. Turn on the power to the HDMI source. The LEDs on both the transmitter and receiver units should begin to flash to indicate video is being transmitted and the video should now display on the connected monitor(s).
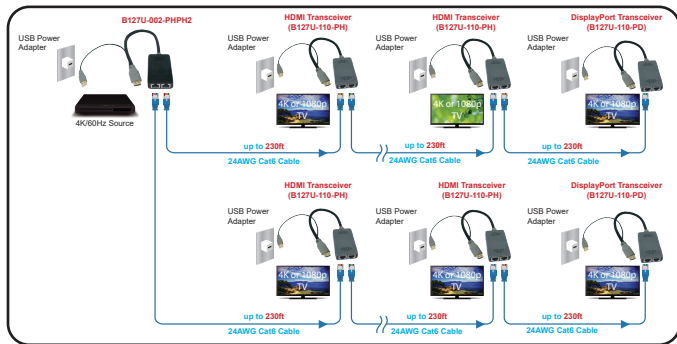
Note: If a daisy-chain installation is desired, repeat steps 4-7 with up to 3 additional B127U-110-PH or B127U-110-PD units (sold separately).

Installation

Standard Splitter Kit Installation

Notes:

• *Test to ensure the entire installation works properly before pulling cables through ceilings/walls.*

• *To achieve maximum distance and performance, use 24 AWG solid wire Cat6 cable. Using stranded wire Cat6 cable or cable with a gauge (AWG) size higher than 24 AWG will result in shorter extension distance. Higher-gauge cabling, such as 26 AWG, has a more limited transmission capability than lower-gauge cabling. All Tripp Lite N202-Series Cat6 cables are made with 24 AWG solid wire cabling.*

• *The installation diagram shows a B127U-002-PHPH2 splitter kit.*

• *The diagram shows additional B127U-110-PH and B127U-110-PD receiver units (sold separately, see tripplite.com) in a daisy-chain installation.*

Installation

1. Make sure all equipment in the installation – such as TVs, Blu-ray players and the transmitter – is powered off.

2. Connect the pigtail HDMI connector on the transmitter unit to the HDMI input on the source.

3. Using Cat6 cable, connect the RJ45 ports on the local transmitter unit to the RJ45 input ports of each remote receiver unit.

4. Connect the pigtail HDMI connector on the remote receiver units to the HDMI input ports of each display.

5. Connect the pigtail USB-A connector on the local transmitter unit to a USB power adapter and into a wall power outlet. The LED next to the RJ45 port should illuminate to indicate the unit is receiving power.

6. Connect the pigtail USB-A connector on the remote receiver units to USB power adapters or a USB port on the displays. The LEDs next to the RJ45 ports should illuminate to indicate the units are receiving power.

Optional: The transmitter and receiver units can be charged via the Micro-USB ports on each unit by connecting a Micro-USB to USB-A cable between each unit and a USB power adapter.

7. Turn on the power to your connected TVs/monitors.

Installation

8. Turn on the power to the HDMI source. The LEDs on the transmitter and receiver units should begin to flash to indicate video is being transmitted and the video should now display on the connected monitor(s).

Note: If a daisy-chain installation is desired, repeat steps 4-7 with up to 3 additional B127U-110-PH or B127U-110-PD units (sold separately).

Warranty and Product Registration

1-Year Limited Warranty

TRIPP LITE warrants its products to be free from defects in materials and workmanship for a period of one (1) year from the date of initial purchase. TRIPP LITE's obligation under this warranty is limited to repairing or replacing (at its sole option) any such defective products. To obtain service under this warranty, you must obtain a Returned Material Authorization (RMA) number from TRIPP LITE or an authorized TRIPP LITE service center. Products must be returned to TRIPP LITE or an authorized TRIPP LITE service center with transportation charges prepaid and must be accompanied by a brief description of the problem encountered and proof of date and place of purchase. This warranty does not apply to equipment which has been damaged by accident, negligence or misapplication or has been altered or modified in any way.

EXCEPT AS PROVIDED HEREIN, TRIPP LITE MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

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PRODUCT REGISTRATION

Visit tripplite.com/warranty today to register your new Tripp Lite product. You'll be automatically entered into a drawing for a chance to win a FREE Tripp Lite product!*

* No purchase necessary. Void where prohibited. Some restrictions apply. See website for details.

Warranty and Product Registration

WEEE Compliance Information for Tripp Lite Customers and Recyclers (European Union)

Under the Waste Electrical and Electronic Equipment (WEEE) Directive and implementing regulations, when customers buy new electrical and electronic equipment from Tripp Lite they are entitled to:

• Send old equipment for recycling on a one-for-one, like-for-like basis (this varies depending on the country)

• Send the new equipment back for recycling when this ultimately becomes waste

WARNING

Use of this equipment in life support applications where failure of this equipment can reasonably be expected to cause the failure of the life support equipment or to significantly affect its safety or effectiveness is not recommended.

Tripp Lite has a policy of continuous improvement. Specifications are subject to change without notice. Photos and illustrations may differ slightly from actual products.

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