

HDMI over Cat6 Pigtail Receiver with Repeater, 4K 60 Hz, 4:4:4, Transceiver, HDCP 2.2, 230 ft. (70.1 m), TAA

MODEL NUMBER: **B127U-110-PH**



Works with a B127U-Series transmitter or splitter to extend 4K video via Cat6 cable to an HDMI monitor up to 230 ft. away.

Features

HDMI Extender Receiver Recommended for Digital Signage in Schools and Businesses

This 4K receiver is recommended for video presentations in conference rooms, schools, trade shows, meeting facilities, houses of worship, retail settings, hotels and other digital signage applications where the source and display are farther apart than conventional A/V cables allow. When connected to a B127U-Series transmitter, the B127U-110-PH helps extend 4K signals from an HDMI or DisplayPort source to an HDMI monitor up to 230 feet (70.1 meters) away with zero latency via user-supplied Cat6 cabling. The one-foot pigtail design makes the receiver easy to install, especially in a tight space.

Transmits 4K Video with Multi-Channel Audio, HDR and 4:4:4 Color

The B127U-110-PH supports Ultra HD resolutions up to 3840 x 2160 (4K x 2K) at 60 Hz with uncompressed DTS-HD, Dolby TrueHD and 7.1-channel digital audio. High Dynamic Range (HDR) provides 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 content with no complications. This receiver also supports 4:4:4 chroma subsampling for top-level PC gaming or using your HDTV as a PC monitor.

Create Daisy-Chain Installations with HDMI Outputs, DisplayPort Outputs or Both

The B127U-110-PH can be connected to additional B127U-110-PH HDMI receivers or B127U-110-PD DisplayPort receivers (sold separately) in a four-link daisy-chain installation. Each additional receiver adds up to 230 feet (70.1 meters) to the maximum video transmission distance and up to a total of 920 feet (280 meters) for the entire installation. **Note:** See the installation diagram in the owner's manual for more information.

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

The B127U-110-PH is backward compatible with 4K/30 Hz and 1080p resolutions via automatic switching, allowing each connected monitor to display video at its maximum resolution without affecting the other outputs.

Plug-and-Play Operation for Quick Setup and Immediate Use

The receiver works right out of the box with no software required. A one-foot USB-A pigtail connector is the primary power source. Plug the USB connector on the receiver into a USB-A power adapter (such as U280-W01-QC3-1, sold separately) or USB-A port on the connected display. User-supplied 24 AWG Cat6

Highlights

- Supports UHD resolutions up to 4K @ 60 Hz (4:4:4) with High Dynamic Range (HDR)
- Lightweight pigtail receiver is USB-powered through display or power adapter
- Can be daisy-chained up to 4 times (920 ft. total) via additional receivers
- Plug-and-play operation with no software required for easy, immediate installation
- Compliant with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases

System Requirements

- Source device with HDMI or DisplayPort output (computer, laptop, media server)
- Display device with HDMI input (HDTV, projector, monitor)
- B127U-Series transmitter or splitter

Package Includes

- B127U-110-PH HDMI over Cat6 Receiver
- Owner's manual



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cabling connects the transmitter and receivers. **Note:** The receiver can also be powered through its Micro-USB port.

TAA-Compliant for GSA Schedule Purchases

The B127U-110-PH 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 | 037332281463 |
| Product Type | HDMI |
| Technology | Cat6; HDMI; USB |
| Host Connector | HDMI (MALE) |
| VIDEO | |
| Video Input | RJ45 (FEMALE) |
| Video Output | HDMI (MALE) |
| Number of Monitors Supported | 1 |
| Video Ports | HDMI (MALE) |
| Video Ports Details | HDMI 2.0; HDCP 2.2 |
| Resolutions Supported | Up to 4K (3840 x 2160) @ 60 Hz |
| Supported Resolutions | 1280x720 (720p); 1920x1080 (1080p); 1920x1200; 2560x1600; 3840x2160 (4K) |
| Max Supported Video Resolution | 4K x 60 Hz |
| Max. Distance (Between any 2 Units) | 230 ft. |
| Max. Distance (Between any 2 Units) (Meters) | 70 |
| Max 1080P Range (ft) | 230 |
| Max 1280 x 720 (720p) Range (ft) | 230 |
| Max 1920 x 1080 (1080p) Range (ft) | 230 |
| Max 1920 x 1200 Range (ft) | 230 |
| Max 2560 x 1600 Range (ft) | 230 |
| Max 3840 x 2160 (4K@30Hz) Range (ft) | 230 |
| Max 3840 x 2160 (4K@60Hz) Range (ft) | 230 |
| Receiver/Transceiver Video Output | HDMI |
| Receiver - Number of Video Outputs | 1 |
| Signal Range (ft) | 230 |



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| Signal Range (m) | 70 |
| Range Extension using other Tripp Lite product | N/A |
| Recommended Cabling | N202-Series Cat6 Gigabit Snagless UTP Ethernet Cabling |
| Max Supported Color Depth | 36-bit Deep Color |
| HDR Support | Yes |
| 3D Video Supported | Yes |
| Chroma Sub Sampling | 4:2:0; 4:2:2; 4:4:4 |
| Maximum Signal Range (ft) | 230 |
| Maximum Signal Range (m) | 70 |
| EDID Support | Yes |
| Signal Transmission | Unidirectional |
| DisplayPort Alt Mode | No |
| DSC Support | No |
| AUDIO | |
| Audio Output | HDMI |
| Audio Specification | Supports passthrough audio formats including LPCM 2.0/5.1/7.1 |
| INPUT | |
| Bus Powered | Yes |
| Power Source | USB |
| POWER | |
| Power Source Type | USB |
| Power Source | Unit (Included) |
| Power Over Cable (PoC) Support | No |
| Receiver Power Source | USB |
| CONNECTIONS | |
| Number of Ports | 3 |
| Ports | 2 |
| Ports Detail | Video is carried from the transmitter to the receiver via the RJ45 portExtend the maximum distance of the installation by daisychaining B127U-110-PH units via the second RJ45 port on the receiver unit. |
| Daisy-Chain Port | RJ45 (Female) |
| Side A - Connector 1 | HDMI (MALE) |
| Side A - Connector 2 | USB A (MALE) |
| Side B - Connector 1 | MICRO-USB B (FEMALE) |



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| Side B - Connector 2 | (2) RJ45 (FEMALE) |
| Daisy-chainable / Cascadable | Yes |
| Daisy-chainable / Cascadable Details | Up to 4 Units |
| USER INTERFACE, ALERTS & CONTROLS | |
| LED Indicators | x1 Green (Power), x1 Orange (Data) |
| PHYSICAL | |
| Color | Black |
| Material of Construction | Plastic |
| Cable Jacket Color | Black |
| Cable Jacket Material | PVC |
| Cable Outer Diameter (OD) | 7.3mm |
| Wire Gauge (AWG) | 28 |
| Cable Length (ft.) | 1 |
| Cable Length (m) | 0.30 |
| Cable Length (in.) | 12 |
| Cable Length (cm) | 30.5 |
| Total Number of Ports | 3 |
| Number of Displays | 1 |
| Form Factor/Mounting Options | Pigtail |
| Rackmountable | No |
| Receiver Unit Dimensions (hwd / cm.) | 1.86 x 4.7 x 7.5 |
| Receiver Unit Dimensions (hwd / in.) | 0.73 x 1.85 x 2.95 |
| Receiver Unit Weight (kg) | 0.25 |
| Receiver Unit Weight (lbs.) | 0.55 |
| Shipping Dimensions (hwd / in.) | 2.17 x 10.24 x 6.46 |
| Shipping Dimensions (hwd / cm) | 5.51 x 26.01 x 16.41 |
| Shipping Weight (lbs.) | 0.35 |
| Shipping Weight (kg) | 0.16 |
| Unit Dimensions (hwd / in.) | 0.732 x 1.850 x 2.953 |
| Unit Dimensions (hwd / cm) | 1.85 x 4.7 x 7.5 |
| Unit Dimensions (hwd / mm) | 18.5 x 47 x 75 |
| Unit Packaging Type | Box |
| Unit Weight (lbs.) | 0.176 |
| Unit Weight (kg) | 0.08 |



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| ENVIRONMENTAL | |
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| Operating Temperature Range | 32° to 104°F (0° to 40°C) |
| Storage Temperature Range | 5° to 122°F (-15° to 50°C) |
| Relative Humidity | 0-85% non-condensing |
| COMMUNICATIONS | |
| Max 1024 x 768 Range (ft) | 230 |
| Signal Range (ft.) | 230 |
| Signal Range (m) | 70 |
| Max 480P Range (ft) | 230 |
| Transmission Distance | 230 ft. (70m) |
| Max 1440 x 900 Range (ft) | 230 |
| Max 1080i Range (ft) | 230 |
| Max 1920 x 1440 Range (ft) | 230 |
| Max 4K UHD Range (ft) | 230 |
| Max 480i Range (ft) | 230 |
| Max 640 x 480 Range (ft) | 230 |
| Max 800 x 600 Range (ft) | 230 |
| Max 1600 x 1200 Range (ft) | 230 |
| EDID Compatible | Yes |
| IR Remote Extension Support | No |
| RS-232 Serial Extension Support | No |
| Consumer Electronics Control (CEC) Supported | No |
| Latency | Zero Latency |
| USB Extension Support | No |
| PORT EXPANSION | |
| Daisy-chainable or Cascadable | Up to 4 layers |
| FEATURES & SPECIFICATIONS | |
| All-in-One Kit | No |
| 10/100 Ethernet Extension Support | No |
| Integrated/Removable Cable | No |
| MST Support | No |
| Mounting Accessory Included | No |
| Multi-Resolution Support | Yes |



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| Built-In Equalizer | No |
| HDCP Specification | 2.2 |
| Driver Required | No |
| Recommended Category Cable | 24 AWG Cat6 |
| DIN Mountable | No |
| STANDARDS & COMPLIANCE | |
| Product Certifications | ICES (Canada); NOM (Mexico) |
| Product Compliance | CE (Europe); FCC Part 15 Class B (USA); REACH; RoHS3; Trade Agreements Act (TAA); UKCA; WEEE |
| WARRANTY & SUPPORT | |
| Product Warranty Period (Worldwide) | 1-year limited warranty |

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

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