

# Owner's Manual

## 4K 60 Hz USB Type-C™ to HDMI over Cat6 Extender

Model: B127-1A1-CH

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## **Package Contents**

- Local Transmitter Unit
- Receiver Unit
- External Power Supply (Input: 100-240V, Output: 24V 1A)
- Plug Adapters: NEMA 1-15P (North America), CEE 7/16 Schuko (Europe), BS 1363 (UK) and AS/NZS 3112 (Australia)
- Mounting Hardware
- Owner's Manual

## **Optional Accessories**

- N202-Series Cat6 24 AWG Solid-Wire Patch Cable
- P569-XXX-CERT or P568-XXX-2A-Series High-Speed HDMI 2.0 Cables
- U420-Series USB-C Cables

## Product Features

- Extends a 4K (3840 x 2160 @ 60 Hz) 4:4:4 signal up to 125 ft. (38 m) from the source.
- USB-C PD 3.0 port provides device charging while supporting an input up to 60W (20V 3A).
- Built-in local HDMI port supports multi-resolution technology, enabling the connection of local monitors of various resolutions without affecting the extended 4K @ 60 Hz signal.
- Remote Receiver unit features built-in equalization (EQ) control and auto EDID image adjustment.
- Includes mounting hardware that enables both the local transmitter and remote receiver units to be wall-mounted, rack-mounted or pole-mounted.
- Supports 8-Channel LPCM, AC-3, DTS digital audio and USB Type-C 1.2.
- Plug-and-play – no software or drivers required.

## Disclaimer

Before installation, check the following settings of your source(s) and TV/monitor(s):

1. Set to display at 60 Hz. Double-check factory settings, as the default may be set to a lower frequency (Hz) than advertised.
2. Ensure the input setting of your monitor is set at HDMI 2.0. Some displays may have default setting at HDMI 1.4.
3. Verify your monitor has the HDR feature enabled. Some displays may have this feature disabled as a factory setting.
4. Confirm the Ultra HD (UHD) Deep Color setting is enabled on your TV/monitor. Confirm with your TV/monitor manufacturer which HDMI ports support UHD Deep Color.

**Note:** *If you wish to connect a local monitor to your installation, depending on your TV/monitor make/model, the UHD Deep Color setting may need to be disabled on your local TV/monitor to achieve 4K 60 Hz resolution.*

# Mounting Instructions

Mounting hardware is included to allow for a variety of mounting methods. The following images illustrate how the included mounting brackets can be attached for different installations.

## Wall-Mount



## 19"-Wide Rack-Mount



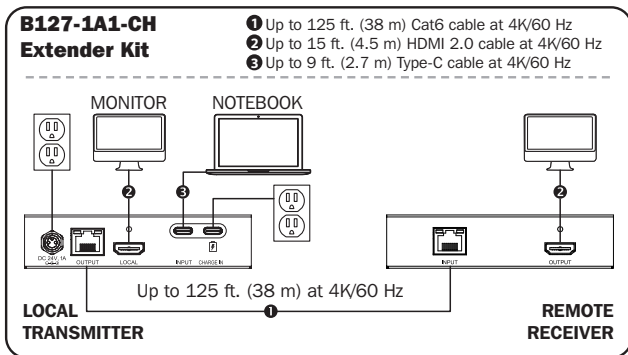
## Pole-Mount



# Installation

## Notes:

- 1) Test to ensure the entire installation works properly before pulling cables through ceilings/walls.
- 2) 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 a 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.
- 3) External power is not required for remote receiver units due to Power over Cable (PoC) technology incorporated in the transmitter units.



1. Ensure all equipment in the installation – such as TVs/monitors, laptops and the transmitter – is powered OFF.
2. Using a USB Type-C cable (such as Tripp Lite U420-Series cables), connect the USB-C source to the INPUT port on the local transmitter unit.

## Installation

- 3. Optional:** Using an HDMI 2.0 cable (such as Tripp Lite P569-XXX-CERT or P568-XXX-2A-Series cables), connect the HDMI source to the LOCAL port on the local transmitter unit.
- 4. Optional:** Using your source's PD power adapter, plug the USB-C connector into the CHARGE IN port on the local transmitter unit. The USB-C PD 3.0 port supports input up to 60W (20V 3A).
5. Using Cat6 cable, connect the RJ45 port on the local transmitter unit to the RJ45 port on the remote receiver unit.
6. Using an HDMI 2.0 cable (such as Tripp Lite P569-XXX-CERT or P568-XXX-2A-Series cables), connect the remote receiver unit's HDMI port to a monitor.
7. Turn on the power to your connected TVs/monitors. The LOCAL (orange) LED will illuminate to indicate the local port has been connected to a display.
8. Connect the external power supply to the local transmitter unit and plug it into an available wall outlet or (optional) a Tripp Lite Surge Protector, Power Distribution Unit (PDU) or Uninterruptible Power Supply (UPS). The POWER (green) LED on the local transmitter unit will illuminate to indicate the unit is receiving power from the external power supply. The POWER (green) LED on the remote receiver unit will illuminate to indicate the unit is receiving power from the local transmitter unit through PoC technology.
9. Turn on the power to the USB-C source. The OUTPUT (orange) LED on the local transmitter unit will illuminate to indicate a signal is being received from the source.

# Warranty and Product Registration

## 1-Year Limited Warranty

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- 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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