Quick Start Guide

4K HDMI over IP Extender with Power over Ethernet

Models: B162-001-POE, B162-100-POE

WARRANTY REGISTRATION

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Package Contents

- B162-001-POE Transmitter or B162-100-POE Receiver
- RS-232 Terminal Block
- Power Adapter (Input: 100-240V, 50/60 Hz, 0.5A; Output: 5V 3A)
- Foot Pads (x4)
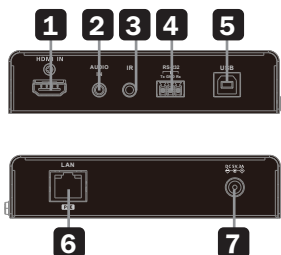- Quick Start Guide

Optional Accessories

- P568-Series High-Speed HDMI Cables
- N201P-Series Cat6 Cables with PoE
- U024-Series USB 2.0 Extension Cables or U324-Series USB 3.0 Extension Cables

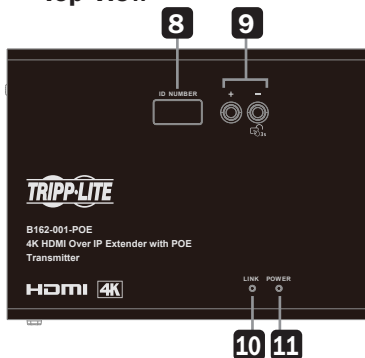# Product Features

B162-001-POE (Transmitter)

Top View

Front View

Rear View

Front View
1 HDMI Input Port
2 Audio Input Port
3 Bidirectional IR Port
4 RS-232 Serial Port
5 USB Type-B Port
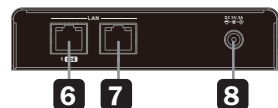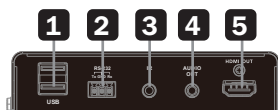
Rear View
6 LAN Port with PoE
7 Power Jack

Top View
8 ID Display Panel
9 Prev (+) / Next (-) Buttons
10 Link LED
11 Power LED

Product Features

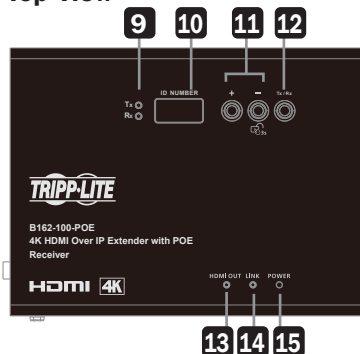## B162-100-POE (Receiver)

Top View

Front View

Rear View

Front View
1 USB Type-A Ports
2 RS-232 Serial Port
3 Bidirectional IR Port
4 Audio Output Port
5 HDMI Output Port

Rear View
6 LAN Port 1 with PoE
7 LAN Port 2
8 Power Jack

Top View
9 Tx / Rx LEDs
10 ID Display Panel
11 Prev (+) / Next (-) Buttons
12 Tx / Rx Switch Button
13 HDMI Out LED
14 Link LED
15 Power LED

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Installation

Before starting the installation, decide your network architecture and configuration. For more information, refer to the complete product Owner's Manual, available at tripplite.com/support/downloads. If further assistance is required, contact tripplite.com/support.
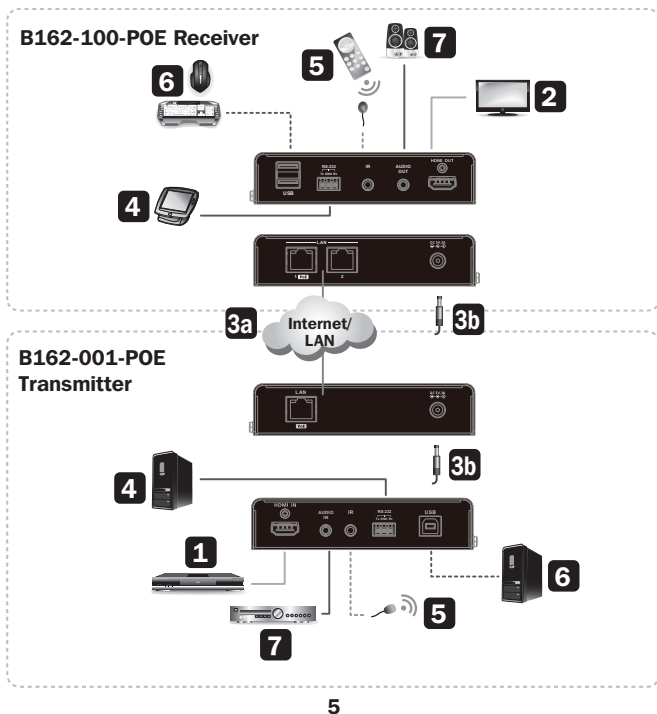
Installation

1 Connect a video source device to the HDMI Input Port on the B162-001-POE transmitter using an HDMI cable.

2 Connect a video display device to the HDMI Output Port on the B162-100-POE receiver using an HDMI cable.

3 Set up the units as follows:

Point-to-point setup:

3a Connect one end of an Ethernet cable to the LAN Port on the transmitter and the other end of the cable to the receiver's LAN Port.

3b Plug the power adapters into the Power Jacks on the transmitter and receiver, and into an AC wall outlet, Tripp Lite Surge Protector, PDU or UPS.

Multipoint-to-multipoint setup:

3a Install the transmitter and receiver to the same local area network by connecting the LAN Ports to an Ethernet switch using Ethernet cables.

3b The unit can be powered on through an Ethernet cable if connected to a PoE-supported Ethernet switch. Alternatively, plug the power adapters into the Power Jacks on the transmitter and receiver, and into an AC wall outlet, Tripp Lite Surge Protector, PDU or UPS.

Note: When power is supplied from both the power adapter and the Ethernet cable (PoE), the supply from the power adapter will be prioritized.

Installation

4 **(Optional)** To bypass RS-232 signals, connect your computer or control system to the RS-232 Serial Ports on the units.

Notes:

- *You can connect RS-232 serial devices/peripherals, such as touchscreens and barcode scanners.*
- *To save bandwidth and optimize video performance, the USB and RS-232 ports are disabled by default.*

5 **(Optional)** To bypass IR signals, connect the IR Receiver to the Bidirectional IR on the transmitter or receiver (depending on where you want to operate the remote control) and the IR Transmitter to the units.

6 **(Optional)** To use a keyboard and mouse, connect your USB peripherals to the receiver's USB Type-A Ports and your PC to the transmitter's USB Type-B Port.

7 **(Optional)** Connect your audio devices to the Audio Input Port on the transmitter and the Audio Output Port on the receiver.

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IP LAN Operation

The extender operates over an IP LAN. Installing the units on a network allows point-to-point, point-to-multipoint and multipoint-to-multipoint setups by connecting multiple transmitter/receiver B162-XXX-POE devices on the same local area network. The extender can be used as a video matrix when connected to the LAN via an Ethernet switch, enabling you to add multiple transmitters and receivers to the setup.

Note: Make sure to use an Ethernet switch that supports IGMP. For more information, refer to the complete product Owner's Manual, available at tripplite.com/support/downloads. If further assistance is required, contact tripplite.com/support.

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Software Configuration

1. Assign an ID to all units.

   A Use the **Prev (+) / Next (-) Buttons** to assign an ID to all transmitter units.

   B Use the **Prev (+) / Next (-) Buttons** to assign an ID to all receiver units.

   Press the **Tx / Rx Switch Button** to switch the control to Rx. The Rx LED will illuminate.

2. Assign a source to each of the transmitter units.

   A Press the **Tx / Rx Switch Button** to switch the control to Tx. The Tx LED will illuminate.

   B Use the **Prev (+) / Next (-) Buttons** to assign an input to the units.

3. For remote management, the extender can be configured and managed using the web GUI (DVOE Manager) or the CLI Commands.

Web GUI (DVOE Manager) Login Procedure:

1. Download the IP Installer Utility from tripplite.com/support.

2. Use the utility to look up the IP address of your unit.

3. Open a web browser (such as Chrome) and enter one of the IP addresses you obtained using the IP Installer Utility.

4. Select **Administrator** or **User** and type **password** in the Password field.

Warranty & Product Registration

1-Year Limited Warranty

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Warranty & Product Registration

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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
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