

BV-Tech POE-I100G

BV-Tech 60W Gigabit PoE++ Injector

Model: POE-I100G

Brand: BV-Tech

INTRODUCTION

The BV-Tech 60W Gigabit PoE++ Injector (Model POE-I100G) is designed to provide both power and data to compatible devices over a single Ethernet cable. This injector supports IEEE 802.3af, 802.3at, and 802.3bt standards, delivering up to 60W of power. It is suitable for devices such as PTZ IP cameras, Wi-Fi 6 access points, and VoIP phones, extending connectivity up to 100 meters (325 feet).

SETUP INSTRUCTIONS

What's in the Box

- BV-Tech 60W Gigabit PoE++ Injector (POE-I100G)
- Power Cord

Connection Steps

1. Connect the provided power cord to the injector's AC IN port and then to a standard AC power outlet. The PWR LED on the injector should illuminate.
2. Connect an Ethernet cable from your data source (e.g., router or network switch) to the injector's **Data/IN** port.
3. Connect another Ethernet cable from the injector's **P+D/OUT** (PoE) port to your PoE-compatible device (e.g., IP camera, Wi-Fi access point, VoIP phone). The PoE LED should illuminate, indicating power is being supplied to the connected device.

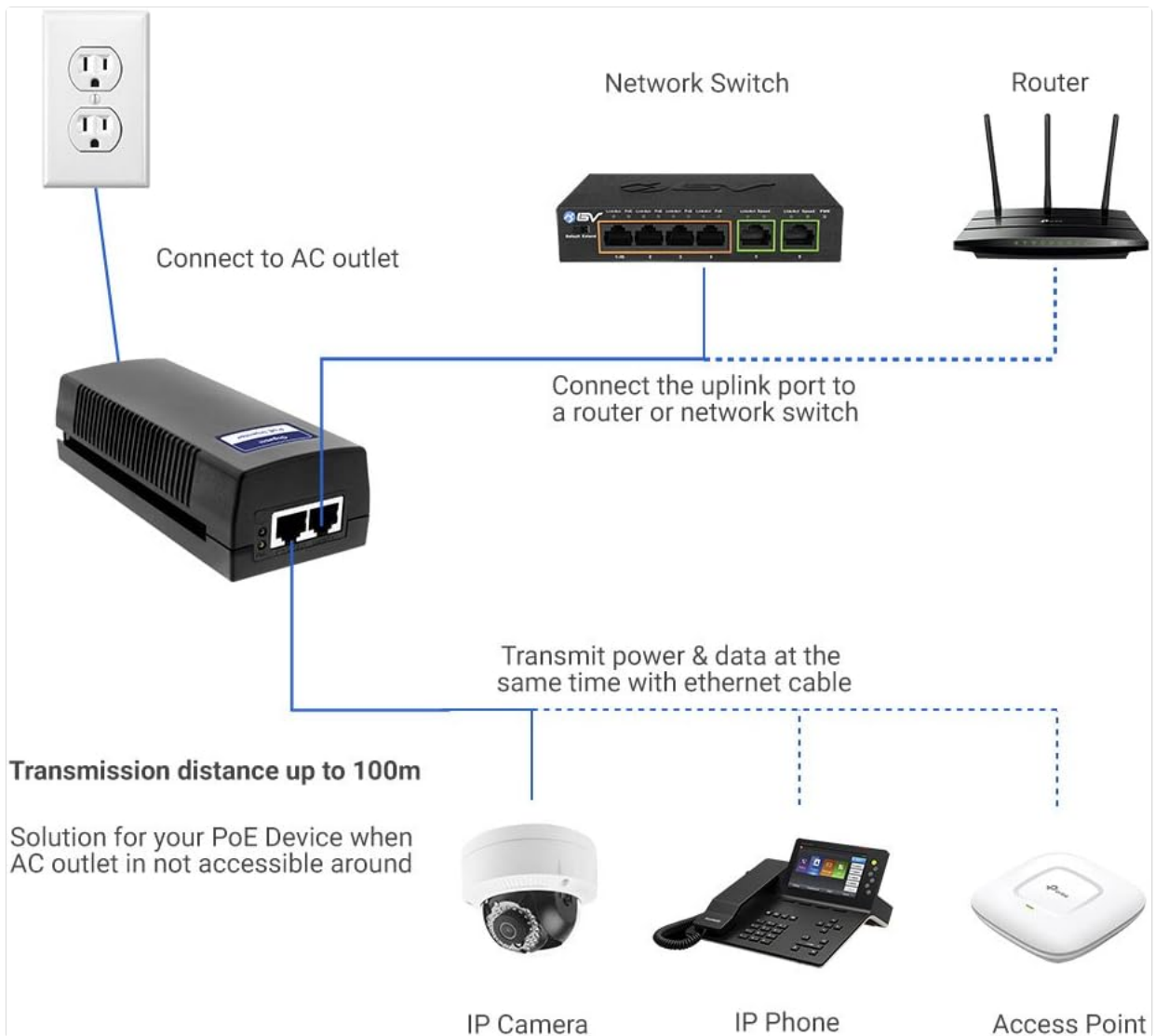


Figure 1: Connection Diagram. This diagram illustrates how to connect the PoE injector. The injector connects to an AC outlet for power, and its Data/IN port connects to a router or network switch. The P+D/OUT port then connects to a PoE device such as an IP camera, IP phone, or access point, transmitting both power and data.

Physical Features

The injector features a unique locking design, allowing multiple injectors to be connected together side-by-side for organized installations. This is achieved by aligning the groove on one unit with the raised line on another.

UNIQUE LOCKING DESIGN

CONNECT TWO OR MORE INJECTORS TOGETHER



Figure 2: Unique Locking Design. This image highlights the groove and raised line features that enable multiple BV-Tech PoE injectors to be securely connected side-by-side, creating a consolidated unit.

OPERATING INSTRUCTIONS

Plug and Play Functionality

The BV-Tech 60W Gigabit PoE++ Injector is designed for plug-and-play operation. Once connected as described in the Setup section, the injector automatically detects the power requirements of the connected PoE device and supplies the necessary power. It supports both PoE and non-PoE devices, ensuring compatibility across various network components.

PLUG AND PLAY

SUPPORTS PoE & NON PoE DEVICES



Figure 3: Plug and Play Operation. This image demonstrates the injector's ability to power various devices, including non-PoE devices (when only data is passed through) and PoE devices like IP cameras and IP phones, highlighting its automatic detection and power delivery.

LED Indicators

- **PWR LED (Green):** Illuminates when the injector is receiving power from the AC outlet.
- **PoE LED (Yellow):** Illuminates when a PoE-compatible device is connected and receiving power from the injector.

FRONT AND BACK PANELS

PoE PORT, UPLINK PORT, POWER



Figure 4: Front and Back Panels. This image displays the injector's front panel with the PWR and PoE indicator LEDs, along with the Data/IN and P+D/OUT Ethernet ports. The back panel shows the AC power input.

MAINTENANCE

To ensure optimal performance and longevity of your BV-Tech PoE Injector, follow these maintenance guidelines:

- Keep the device in a clean, dry environment, away from excessive dust, moisture, and direct sunlight.
- Ensure adequate ventilation around the injector to prevent overheating. Do not block ventilation openings.
- Clean the exterior of the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Regularly check all cable connections to ensure they are secure.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No Power (PWR LED Off)	Power cord not connected or faulty; AC outlet not active.	Ensure power cord is securely connected to the injector and a working AC outlet. Test the outlet with another device.
No PoE (PoE LED Off)	Ethernet cable to PoE device is disconnected or faulty; connected device is not PoE-compatible or requires more power than 60W; device is faulty.	Check the Ethernet cable connection between the injector's P+D/OUT port and the PoE device. Verify the device is IEEE 802.3af/at/bt compliant and its power requirements do not exceed 60W. Test with a known working PoE device and cable.
No Data Connection	Ethernet cables are disconnected or faulty; data source (router/switch) is not functioning.	Ensure all Ethernet cables are securely connected. Test cables for continuity. Verify the data source (router/switch) is operational.

SPECIFICATIONS

Brand: BV-Tech

Model: POE-I100G

Power Output: 60W (IEEE 802.3bt compliant, backward compatible with 802.3af/at)

Data Transfer Rate: 10/100/1000Mbps Gigabit Ethernet

Transmission Distance: Up to 100 meters (325 feet)

Hardware Interface: Ethernet

Color: Black

Compatible Devices: Internet Protocol Camera, Wi-Fi 6 Access Points, VoIP Phones

Item Weight: 0.75 Pounds

UPC: 639767842105, 811853033219

Manufacturer: BV-Tech

WARRANTY INFORMATION

This BV-Tech 60W Gigabit PoE++ Injector comes with a **1-year warranty** on parts and labor from the date of purchase. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please visit the official BV-Tech store or contact their customer support directly.

BV-Tech Store: <https://www.amazon.com/stores/BV-Tech/page/656E77D7-BC25-4C0B-8472-D841861D8044>