

PLUSPOE 8541553716

PLUSPOE PoE Injector User Manual

Model: 8541553716 | Brand: PLUSPOE

1. PRODUCT OVERVIEW

The PLUSPOE PoE Injector is a Power over Ethernet (PoE) adapter designed to supply power and data to PoE-enabled devices over a single Ethernet cable. This allows devices such as IP cameras, IP phones, and wireless access points to be placed up to 328 feet (100 meters) away from a power outlet, simplifying installation and reducing cable clutter. It is compliant with IEEE 802.3af/at standards and supports 10/100Mbps data transfer rates.



Image: The PLUSPOE PoE Injector, a compact black device with two RJ45 ports labeled 'PoE' and 'LAN', and a 'Power Active' LED indicator. It is shown connected to its power cord.

Key Features:

- **PoE Conversion:** Converts a non-PoE Ethernet port into a PoE port.
- **Extended Reach:** Powers PoE devices up to 328 feet (100 meters) away.
- **Power Output:** Provides 48V DC 500mA (24W, max 30W) for IEEE 802.3af/at compliant devices.
- **Data Speed:** Supports 10/100Mbps Ethernet data transfer.
- **Safety Protections:** Includes Short Circuit, Over Current, and Over Voltage Protection.
- **Plug & Play:** Requires no configuration for easy installation.

2. SETUP AND INSTALLATION

The PLUSPOE PoE Injector is designed for simple plug-and-play installation. Follow these steps to connect your devices:

EASY INSTALLATION

PLUG AND PLAY

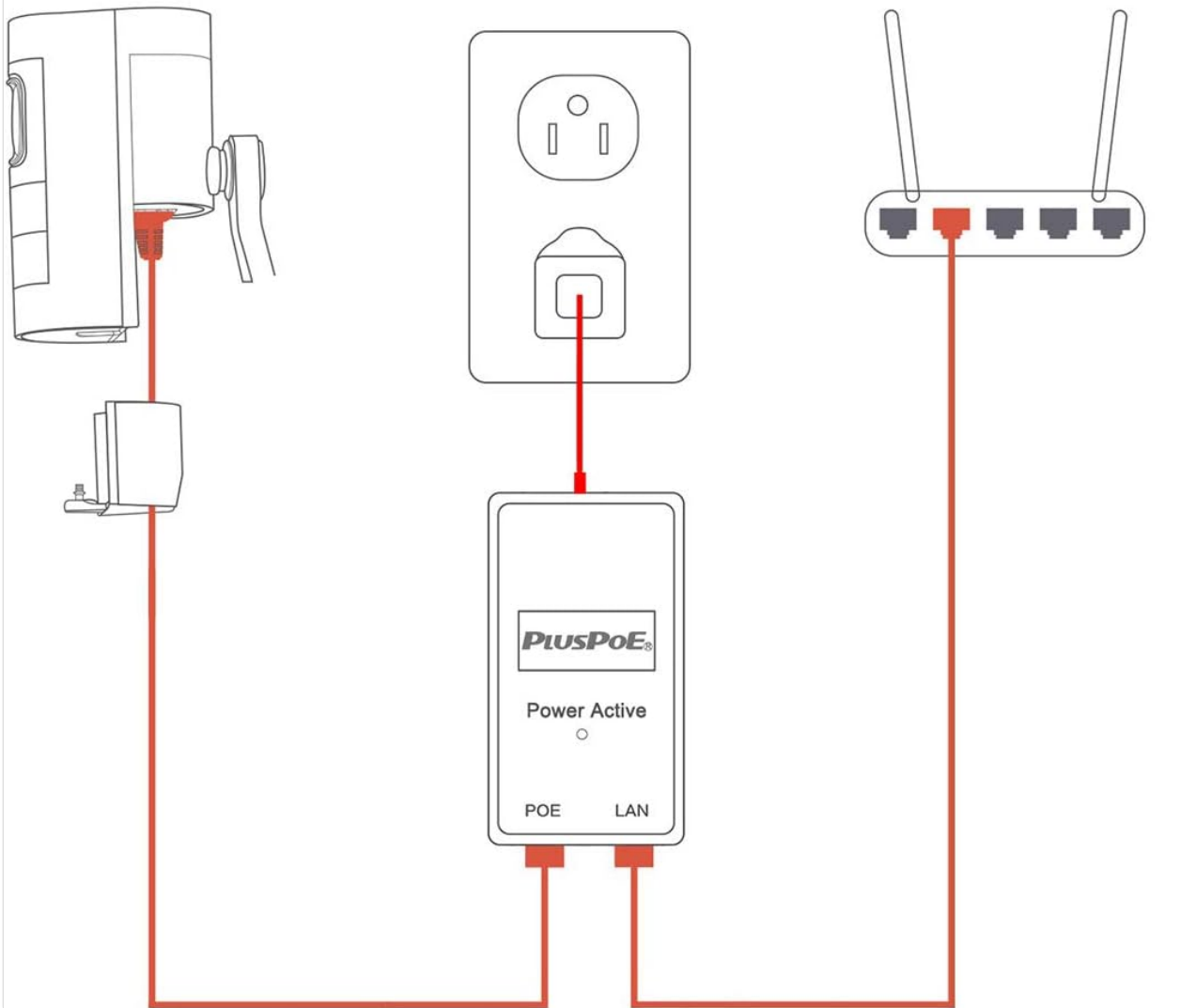


Image: A diagram illustrating the simple plug-and-play setup. An IP camera connects to the PoE Injector, which then connects to a router, and the injector itself plugs into a wall outlet.

1. **Connect Power:** Plug the included power cord into the PoE Injector and then into a standard AC power outlet (100-240V 50/60HZ). The 'Power Active' LED indicator on the injector will illuminate.
2. **Connect to Network:** Connect an Ethernet cable from your non-PoE network device (e.g., router, network switch) to the 'LAN' port on the PoE Injector.
3. **Connect to PoE Device:** Connect another Ethernet cable from the 'PoE' port on the Injector to your PoE-enabled device (e.g., IP camera, IP phone, wireless access point).
4. **Verify Connection:** Once connected, your PoE device should receive both power and data.

WIRING DIAGRAM

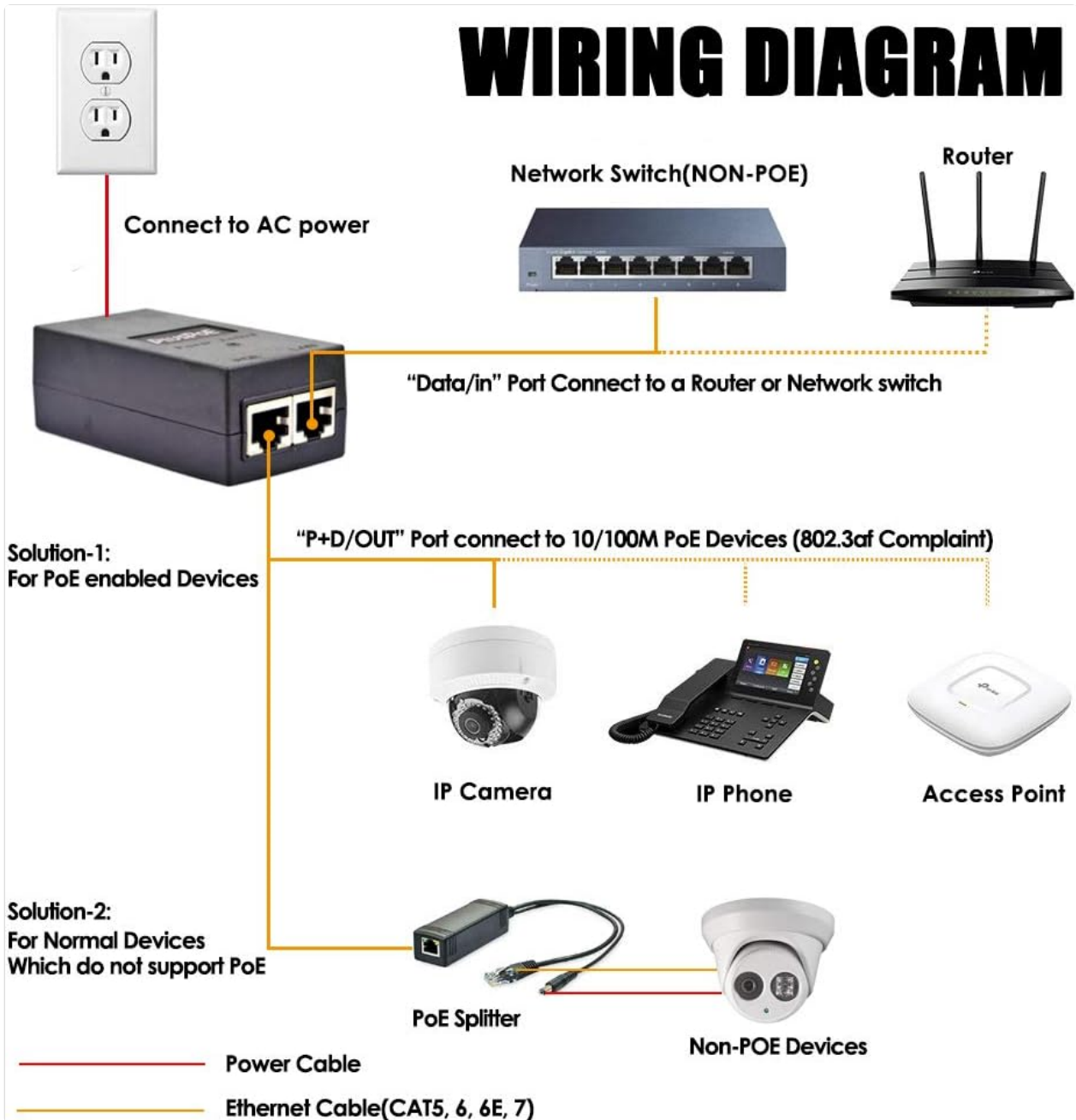


Image: A detailed wiring diagram showing two solutions. Solution 1: For PoE enabled devices, the injector connects to AC power, then to a non-PoE network switch/router via the 'LAN' port, and finally to an IP camera, IP phone, or access point via the 'PoE' port. Solution 2: For normal devices that do not support PoE, a PoE splitter is used between the injector and the non-PoE device.

Note: This PoE injector is designed for PoE-enabled devices only. If you need to power a non-PoE device, a separate PoE splitter (not included) will be required to separate power and data at the device end.



Image: An illustration demonstrating the benefit of the PoE injector, showing how it eliminates the need for a separate power adapter for an IP camera and avoids lost Wi-Fi signals by providing a wired connection.

3. OPERATION

The PLUSPOE PoE Injector operates automatically once connected. The 'Power Active' LED indicator provides visual feedback on the device's status:

- **Solid Green LED:** Indicates that the PoE Injector is powered on and functioning correctly.
- **No LED:** Indicates that the device is not receiving power or there is an internal issue.

The injector will automatically detect and provide the necessary power to connected IEEE 802.3af/at compliant devices. No software configuration or driver installation is required.

4. TECHNICAL SPECIFICATIONS

COMPACT DESKTOP DESIGN

External Dimension 85x42x30mm



Image: The compact design of the PoE Injector, showing its external dimensions: 85mm length, 42mm width, and 30mm height.

| Specification | Value |
|--------------------------|--|
| Output | 48V DC 500mA (24W, max 30W) |
| Input | 100-240V AC, 50/60HZ |
| Input Current | 0.3A |
| Efficiency | >85% |
| Ripple / Noise | 200mV p-p |
| Protections | Auto Recover Over-Voltage, Short Circuit, Over-Current |
| Safety and EMC Standards | CE, FCC |
| Environmental Standards | RoHS |

| | |
|-------------------------|--|
| Operating Temperature | -10 to +40°C (14 to +104°F) |
| Operating Humidity (RH) | 5% - 90% |
| Storage Temperature | -20 to +85°C (-4 to +185°F) |
| Network Connector Type | RJ45 Shielded |
| PoE Type | Passive PoE (Pins 4,5 V+, Pins 7,8 V-) |
| Indicator | LED shows when power on |
| Package Dimensions | 5.59 x 3.07 x 1.93 inches |
| Item Weight | 5.6 ounces |
| Model Number | 8541553716 |
| UPC | 708302882620 |

5. TROUBLESHOOTING

If you encounter issues with your PoE Injector, consider the following common troubleshooting steps:

- **No Power (LED Off):**
 - Ensure the power cord is securely plugged into both the injector and a working electrical outlet.
 - Test the electrical outlet with another device to confirm it has power.
- **Device Not Receiving Power:**
 - Verify that your connected device is indeed PoE-enabled and compliant with IEEE 802.3af/at standards. This injector is not designed for non-PoE devices without a splitter.
 - Check the Ethernet cable connecting the injector's 'PoE' port to your device for damage or improper connection. Try a different cable.
 - Ensure the cable length does not exceed 328 feet (100 meters).
- **No Data Connection:**
 - Confirm the Ethernet cable from your router/switch is properly connected to the injector's 'LAN' port.
 - Check the Ethernet cable from the injector's 'PoE' port to your device.
 - Ensure your network device (router/switch) is functioning correctly.
- **Intermittent Connection:**
 - Inspect all Ethernet cables for kinks, cuts, or loose connectors.
 - Ensure the operating environment is within the specified temperature and humidity ranges.

6. MAINTENANCE

The PLUSPOE PoE Injector requires minimal maintenance to ensure optimal performance and longevity:

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device. Do not use liquid cleaners or aerosol sprays.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Environment:** Avoid exposing the device to extreme temperatures, high humidity, or direct sunlight.
- **Cable Management:** Keep Ethernet cables organized and free from excessive bending or tension to prevent damage.

7. WARRANTY AND SUPPORT

The PLUSPOE PoE Injector comes with a **30-day money-back guarantee** and a **1-year warranty** from the date of purchase.

For technical support, warranty claims, or any questions regarding the product, please contact PLUSPOE customer service through the retailer where the product was purchased or refer to the contact information provided with your product packaging.