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› TRENDnet Powerline AV200 Mini Network Single Adapter TPL-308E Instruction Manual

## **TRENDnet TPL-308E**

# **TRENDnet Powerline AV200 Mini Network Single Adapter TPL-308E Instruction Manual**

Model: TPL-308E

## **INTRODUCTION**

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The TRENDnet Powerline AV200 Mini Network Single Adapter, model TPL-308E, utilizes existing electrical outlets to establish a secure, high-speed network connection. This adapter allows you to connect devices such as computers, smart TVs, media players, or game consoles to the internet using your home's electrical wiring. A minimum of two Powerline adapters are required to initiate a network.



Figure 1: Front view of the TPL-308E Powerline Adapter.

## SETUP

1. **Initial Connection:** Plug one TRENDnet Powerline adapter (e.g., a router-connected adapter) into an electrical outlet near your internet router. Connect it to your router using an Ethernet cable.
2. **Second Adapter Placement:** Plug the TPL-308E adapter into an electrical outlet in the room where you intend to connect a

device (e.g., living room for a smart TV, home office for a computer).

3. **Device Connection:** Connect your device (computer, smart TV, media player, game console) to the TPL-308E adapter using an Ethernet cable.
4. **Automatic Connection:** The adapters are designed to automatically connect to each other. For enhanced security, it is recommended to press the 'Sync' button on both adapters to automatically change default encryption keys.
5. **Network Expansion:** Up to four adapters can be used to extend your network to different rooms without the need for new cabling.

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*Video: This video demonstrates the basic setup process for the TRENDnet Powerline AV200 Mini Network Single Adapter, showing how to connect it to your router and a device.*



*Figure 2: The compact size of the TPL-308E adapter, designed to save space around electrical outlets.*

## OPERATING INSTRUCTIONS

- **Network Extension:** The TPL-308E extends your network over existing electrical lines, providing speeds up to 200 Mbps. This is suitable for seamless streaming of 1080p Full HD video and online gaming within homes up to 5,000 square feet.
- **Power Save Mode:** The adapter features a Power Save mode that automatically reduces power consumption by up to 70% when the device is idle. This contributes to energy efficiency as the adapter remains plugged in.
- **Quality of Service (QoS):** Integrated QoS technology prioritizes network traffic for video, audio, and online gaming, ensuring a smoother experience for these applications.
- **Security:** The network connection is secured with advanced 128-bit AES encryption.
- **Status Indicators:** LED displays on the adapter provide visual cues regarding the device's status, aiding in quick assessment and basic troubleshooting.

## MAINTENANCE

The TRENDnet TPL-308E Powerline Adapter is designed for minimal maintenance. No user-serviceable parts are inside. Keep the device clean and free from dust. Ensure adequate ventilation around the adapter when plugged into an outlet.

## TROUBLESHOOTING

- **No Connection:** If adapters do not connect automatically, press the 'Sync' button on both adapters. This action re-establishes the connection and updates encryption keys.

- **Signal Degradation:** Powerline communication relies on a single electrical system. Performance may be affected by power strips, GFCI (Ground Fault Circuit Interrupter) outlets, or AFCI (Arc Fault Circuit Interrupter) circuit breakers. For optimal performance, plug adapters directly into wall outlets.
- **Slow Speeds:** The advertised 200 Mbps is a maximum theoretical data rate. Actual data throughput can vary significantly based on the condition of your electrical wiring and the electrical system's configuration.

## SPECIFICATIONS

Brand	TRENDnet
Model Number	TPL-308E
Hardware Interface	Ethernet
Color	White
Data Link Protocol	Ethernet
Data Transfer Rate	200 Megabits Per Second (Maximum Theoretical)
Item Weight	62.4 Grams
UPC	163121434649, 710931150001
GTIN	00710931150001
Manufacturer	TRENDnet
Mfr Part Number	TPL-308E
External Testing Certification	CE, FCC

## WARRANTY INFORMATION

The TRENDnet TPL-308E Powerline Adapter comes with a **3-year limited warranty**. Please retain your proof of purchase for warranty claims.

## SUPPORT

For technical assistance or further inquiries, TRENDnet offers **unlimited 24/7 technical support**. Please visit the official TRENDnet website for contact information and additional resources.