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› TP-Link Powerline WiFi Extender TL-WPA8631P KIT User Manual

## TP-Link TL-WPA8631P KIT

# TP-Link Powerline WiFi Extender TL-WPA8631P KIT User Manual

Model: TL-WPA8631P KIT | Brand: TP-Link

## PRODUCT OVERVIEW

The TP-Link Powerline WiFi Extender TL-WPA8631P KIT is designed to extend your network connectivity throughout your home using your existing electrical wiring. It provides both wired and wireless connections, eliminating Wi-Fi dead zones and offering stable, high-speed internet access.



Image: The TP-Link Powerline WiFi Extender TL-WPA8631P KIT, showing both the main adapter and the extender unit.

## Key Features:

- **AV1300 Powerline Speeds:** Delivers high-speed data transfer over electrical wiring.
- **AC1200 Dual-Band WiFi:** Provides 867 Mbps on 5 GHz and 300 Mbps on 2.4 GHz for seamless streaming and gaming.
- **3 Gigabit Ethernet Ports:** Offers secure wired connections for multiple devices.
- **Passthrough Outlet:** Ensures no power socket goes to waste with an integrated electrical socket.
- **One-Click Wi-Fi Configuration:** Easily clones your router's network name (SSID) and password.
- **EasyMesh Compatible:** Expands your network for whole-home coverage when connected to EasyMesh-compatible routers or extenders.
- **2x2 MIMO:** Establishes multiple simultaneous connections for stable connectivity.

## WHAT'S IN THE BOX

- 2x Ethernet Cables
- Quick Installation Guide

## SETUP AND INSTALLATION

Follow these steps to set up your TP-Link Powerline WiFi Extender KIT:

1. **Plug in the Powerline Adapter:** Plug one powerline adapter (the smaller unit, TL-PA8010P) into a wall outlet close to your router.

### Plug and Play Setup

Complete setup in minutes with easy plug and pair installation.



Image: The smaller powerline adapter (TL-PA8010P) plugged directly into a wall outlet.

2. **Connect to Router:** Connect this adapter to a LAN port of your router using an Ethernet cable.
3. **Plug in the Powerline Extender:** Plug the powerline extender (the larger unit, TL-WPA8631P) into another wall outlet on the same electrical circuit where you need extended Wi-Fi or wired connectivity.

# Enjoy greater, seamless coverage with OneMesh™ products.



Pair your Powerline extender to a OneMesh™ router for extended boost in coverage.



Image: The larger powerline extender (TL-WPA8631P) plugged into a wall outlet, showing its integrated passthrough socket and Ethernet ports.

4. **Pair the Devices:** Press the Pair button on the adapter for 1 second. Within 2 minutes, press the Pair button on the extender for 1 second. The Powerline LED on both devices should turn solid, indicating a secure powerline network has been successfully created.
5. **Wi-Fi Clone (Optional):** To instantly clone your router's network name (SSID) and password, press the Wi-Fi Clone button on the extender for 1 second.

## Official Setup Video:

Your browser does not support the video tag.

Video: Official TP-Link guide on how to set up the Powerline Wi-Fi Kit. This video demonstrates the plug-and-play setup process and pairing of the devices.

For a more detailed guide, you can refer to the official [Installation Manual \(PDF\)](#).

## OPERATING THE EXTENDER

Once set up, the Powerline Extender operates automatically. Here are some key operational aspects:

- **Wi-Fi Connectivity:** Connect your wireless devices (smartphones, laptops, tablets) to the extender's Wi-Fi network using the SSID and password provided on the device label or the cloned settings from your router.
- **Wired Connectivity:** Use the 3 Gigabit Ethernet ports on the extender to connect wired devices such as smart TVs, gaming consoles, or desktop computers for stable and high-speed internet access.
- **Passthrough Socket:** The integrated electrical socket on the extender allows you to plug in other electrical appliances, ensuring you don't lose an available power outlet.
- **LED Indicators:** The LEDs on the device provide status information. Refer to the "Physical Appearance" section for details on LED meanings.

### Physical Appearance and LED Indicators:



Image: A detailed view of the TP-Link Powerline Extender, highlighting the LED indicators for power, powerline connection, Ethernet, and Wi-Fi bands, along with the three Gigabit Ethernet ports.

## LED Status Description

LED	Status	Description
Power	On	The powerline adapter/extender is on.
Power	Blinking	Quickly flashing: Pairing in process. Slowly flashing: Power Saving Mode is on.
Powerline	On	The powerline adapter/extender is connected to a powerline network.
Powerline	Off	The powerline adapter/extender is not connected to any powerline network.
Ethernet	On/Off	The Ethernet port is connected or not connected.
Wi-Fi	On	The wireless function is enabled.
Wi-Fi	Blinking	The powerline extender is syncing wireless network settings.

## TROUBLESHOOTING

If you encounter issues with your Powerline WiFi Extender, consider the following:

- **Electrical Circuit:** Ensure both powerline devices are on the same electrical circuit for optimal connectivity. Performance may degrade significantly or fail if they are on different circuits.
- **Direct Outlet Connection:** Always plug powerline devices directly into a wall outlet. Do not use surge protectors, power strips, or extension cords, as these can interfere with the powerline signal.
- **Signal Quality:** Speeds may be lower due to factors such as wiring quality, distance between adapters, and network interference. Thick walls or other barriers can also affect performance.
- **Pairing Issues:** If devices are not pairing, ensure you press the Pair button on both units within the specified 2-minute window. If issues persist, try resetting the adapters and re-pairing.
- **Wi-Fi Signal Strength:** If Wi-Fi signal is weak, ensure the extender is placed in a central location within the desired coverage area.
- **Firmware Updates:** While not directly user-updatable via app, check the TP-Link support website for any available firmware updates for your model, which may resolve known issues.

## SPECIFICATIONS

Feature	Detail
Model Number	TL-WPA8631P KIT
Product Dimensions	9.1 x 7.6 x 4 inches

Feature	Detail
Item Weight	1.85 pounds
Brand	TP-Link
Hardware Interface	Ethernet
Color	White
Data Link Protocol	Gigabit Ethernet
Data Transfer Rate	1300 Megabits Per Second (AV1300)
UPC	845973099770
Compatible Devices	Desktop, Laptop, Smart TV, Printer, Game Console, Projector, Internet Protocol Camera, Headphone, Speaker, Webcam, Tablet, Smartphone, Keyboard, Mouse

## WARRANTY AND SUPPORT

For warranty information and technical support, please visit the official TP-Link website or refer to the [User Guide \(PDF\)](#) included with your product.

TP-Link is a signatory of the U.S. Cybersecurity and Infrastructure Security Agency's (CISA) Secure-by-Design pledge, ensuring advanced security as a core requirement for their devices.