

## TP-Link TL-WPA4220KIT

# TP-Link TL-WPA4220KIT Wireless Powerline Extender Starter Kit User Manual

Model: TL-WPA4220KIT

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your TP-Link TL-WPA4220KIT Wireless Powerline Extender Starter Kit. This kit allows you to extend your internet connection to any room in your home using your existing electrical wiring, providing both wired and wireless network access.

Please read this manual carefully before using the product to ensure proper setup and optimal performance.

## 2. PRODUCT OVERVIEW

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### 2.1 Package Contents

The TL-WPA4220KIT typically includes:

- One TL-PA4010 Powerline Adapter
- One TL-WPA4220 Wireless Powerline Extender
- Two Ethernet Cables
- Quick Installation Guide



Image 2.1: The TP-Link TL-WPA4220KIT, showing both the TL-PA4010 Powerline Adapter and the TL-WPA4220 Wireless Powerline Extender.



Image 2.2: Retail packaging for the TL-WPA4220KIT, illustrating the contents and key features.

## 2.2 Device Layout

Each device has specific ports and indicators:

- **TL-PA4010 Powerline Adapter:** Features an Ethernet port and a Pair button.
- **TL-WPA4220 Wireless Powerline Extender:** Includes two Ethernet ports, a Wi-Fi button, and a Pair button. It also has LED indicators for Power, Powerline, Ethernet, and Wi-Fi status.



Image 2.3: Rear view of the TL-PA4010 and TL-WPA4220, showing the power prongs for electrical outlets.



Image 2.4: Close-up view of the two Ethernet ports on the TL-WPA4220 Wireless Powerline Extender.

### 3. SETUP INSTRUCTIONS

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

1. **Connect the TL-PA4010 Adapter:** Plug the TL-PA4010 Powerline Adapter into a wall socket near your router. Connect it to your router's LAN port using an Ethernet cable.
2. **Connect the TL-WPA4220 Extender:** Plug the TL-WPA4220 Wireless Powerline Extender into a wall socket in the room where you need Wi-Fi or wired internet access.
3. **Pair the Devices:**
  - Press the Pair button on the TL-PA4010 adapter for one second.
  - Within two minutes, press the Pair button on the TL-WPA4220 extender for one second.
  - The Powerline LED on both devices should turn solid, indicating a successful connection.
4. **Extend Wi-Fi (Optional):** The TL-WPA4220 will automatically copy your router's Wi-Fi name (SSID) and password if you press the Wi-Fi button on the extender within two minutes of pressing the WPS button on your router. Alternatively, you can configure the Wi-Fi settings manually using the TP-Link utility.



Image 3.1: Visual guide for the "Plug and Play" setup process, illustrating the connection and pairing of the TL-PA4010 and TL-WPA4220 units.

# Extend Your Network to Any Room by Powerline

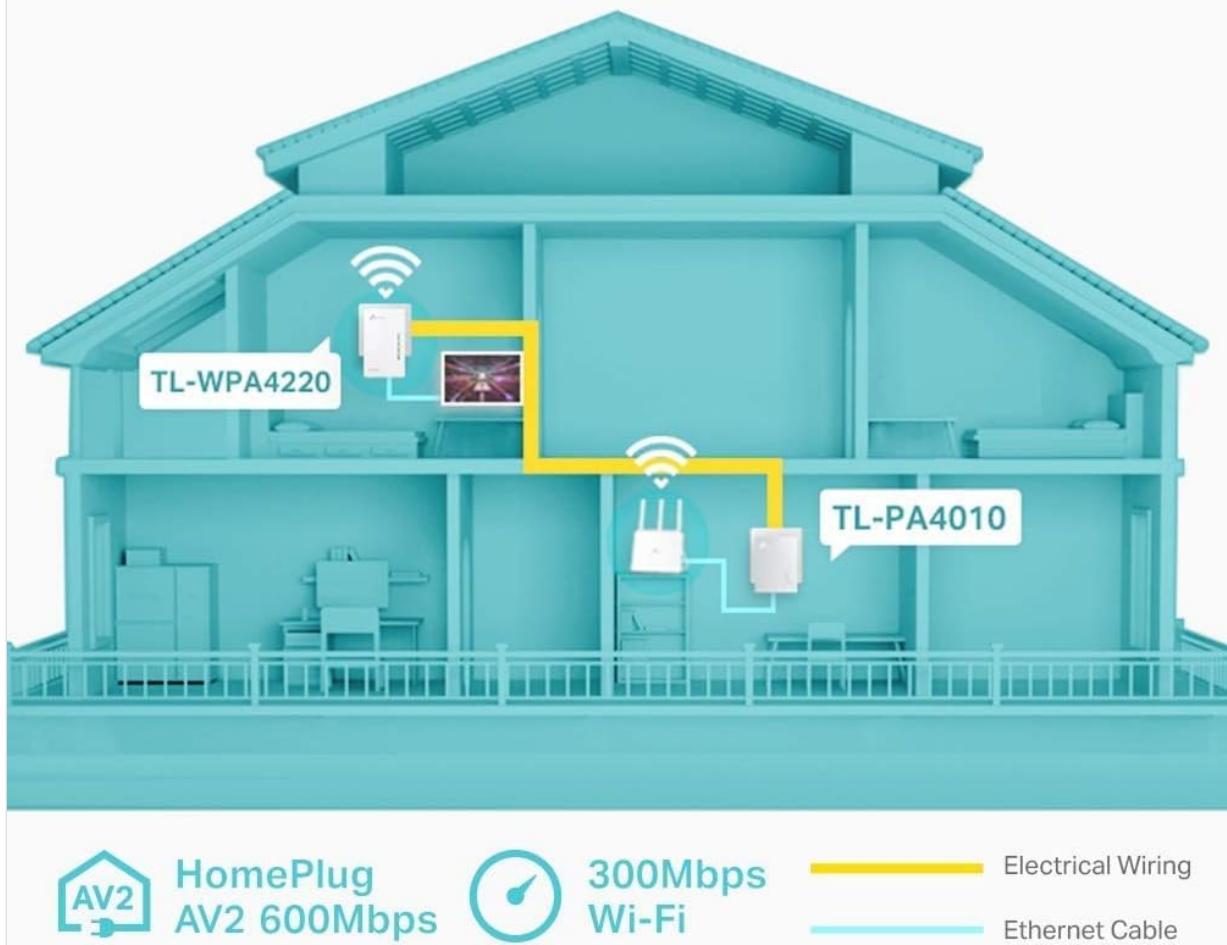


Image 3.2: An illustration demonstrating how the Powerline Extender Kit extends network coverage throughout a multi-room environment using existing electrical wiring.

## 4. OPERATING INSTRUCTIONS

### 4.1 Connecting to the Network

- **Wired Connection:** Connect your wired devices (e.g., desktop computer, gaming console, smart TV) to the Ethernet ports on the TL-WPA4220 Extender using an Ethernet cable.
- **Wireless Connection:** Connect your wireless devices (e.g., smartphones, tablets, laptops) to the Wi-Fi network broadcast by the TL-WPA4220. The network name (SSID) and password are typically printed on a label on the device or can be configured via the TP-Link utility.

### 4.2 LED Indicators

Monitor the LED indicators on the TL-WPA4220 for status information:

- **Power LED:** Solid green indicates the device is powered on.
- **Powerline LED:** Solid green indicates a strong powerline connection. Blinking indicates data transfer. Off indicates no powerline connection.
- **Ethernet LED:** Solid green indicates a wired device is connected to an Ethernet port. Blinking indicates data transfer.
- **Wi-Fi LED:** Solid green indicates Wi-Fi is enabled. Blinking indicates WPS pairing. Off indicates Wi-Fi

is disabled.

## 4.3 Managing Settings

For advanced settings, such as changing Wi-Fi name/password or updating firmware, download the TP-Link Powerline Utility from the official TP-Link website. This utility allows you to manage your powerline network from your computer.

## 5. MAINTENANCE

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- **Cleaning:** Use a soft, dry cloth to clean the devices. Do not use liquid or aerosol cleaners.
- **Placement:** For optimal performance, plug the powerline devices directly into a wall outlet. Avoid plugging them into power strips, surge protectors, or extension cords, as this can degrade performance.
- **Firmware Updates:** Periodically check the TP-Link website for firmware updates for your devices. Updating firmware can improve performance, add new features, and fix bugs.

## 6. TROUBLESHOOTING

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If you encounter issues, refer to the following common problems and solutions:

- **No Powerline Connection (Powerline LED Off):**
  - Ensure both powerline devices are plugged directly into wall outlets.
  - Verify that the electrical wiring in your home is suitable for powerline communication.
  - Try pairing the devices again as described in Section 3.
- **Slow Speed:**
  - Avoid plugging devices into power strips or extension cords.
  - Large electrical appliances (e.g., refrigerators, washing machines) on the same circuit can cause interference. Try moving devices to different outlets.
  - Ensure the Powerline LED is solid green, indicating a good connection.
- **No Wi-Fi Signal from TL-WPA4220:**
  - Check if the Wi-Fi LED is on. If not, press the Wi-Fi button to enable it.
  - Verify Wi-Fi settings using the TP-Link Powerline Utility.
- **Cannot Access Internet:**
  - Ensure your main router has an active internet connection.
  - Check all Ethernet cable connections.
  - Restart your router and powerline devices.

## 7. SPECIFICATIONS

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Feature	Detail
Model Number	TL-WPA4220KIT

Data Transfer Rate	Up to 600 Mbps (Powerline), Up to 300 Mbps (Wi-Fi)
Hardware Interface	Ethernet
Data Link Protocol	Ethernet
Compatible Devices	Camera, Desktop, Laptop, Printer
Product Dimensions	2.13 x 3.7 x 1.57 inches (approximate for one unit)
Item Weight	7.4 ounces (approximate for one unit)
Color	White-Grey
Manufacturer	TP-LINK

## 8. WARRANTY AND SUPPORT

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TP-Link products come with a limited warranty. Please refer to the warranty card included in your product package or visit the official TP-Link website for detailed warranty information specific to your region.

For technical support, product registration, and community forums, please visit the TP-Link support website:

[www.tp-link.com/support](http://www.tp-link.com/support)