TP-Link TL-PA4026 KIT

TP-Link AV500 2-Port Powerline Starter Kit User Manual

Model: TL-PA4026 KIT | Brand: TP-Link

Introduction

The TP-Link AV500 2-Port Powerline Starter Kit (TL-PA4026 KIT) allows you to extend your home network's internet connection to any room using your existing electrical wiring. This kit provides a stable and high-speed wired connection, ideal for activities like HD video streaming and online gaming, without the need for new cables. The AV500 and 500Mbps terms refer to the theoretical maximum physical-layer data transfer rate, indicating compatibility with other AV500 or 500Mbps PowerLine devices. Actual speeds may vary based on network conditions.



Image: The TL-PA4026 KIT includes two powerline adapters, one of which is shown plugged into a standard wall outlet, demonstrating its compact design.

Package Contents

Verify that all items are present in your package:

- 1 x TL-PA4010 Powerline Ethernet Adapter
- 1 x TL-PA4020 Powerline Ethernet Adapter (with 2 Ethernet ports)
- 2 x Ethernet cables (RJ45)
- Quick Installation Guide



Image: The retail packaging for the TL-PA4026 KIT, indicating the contents and key features.

Setup Guide

Setting up your TP-Link Powerline Kit is a simple plug-and-play process. No complex configuration is required.

Step 1: Connect the First Adapter (TL-PA4010)

1. Plug one of the powerline adapters (TL-PA4010, the single-port unit) into a wall outlet near your internet router.
2. Connect an Ethernet cable from your router's LAN port to the Ethernet port on the TL-PA4010 adapter.
3. Wait for the Power LED (**Power icon**) and Powerline LED (**House icon**) to turn solid green.

Step 2: Connect the Second Adapter (TL-PA4020)

1. Plug the second powerline adapter (TL-PA4020, the two-port unit) into a wall outlet in the room where you need internet access (e.g., near your computer, smart TV, or game console).
2. Connect an Ethernet cable from the TL-PA4020 adapter's Ethernet port to your device.
3. Wait for the Power LED (**Power icon**) and Powerline LED (**House icon**) to turn solid green. The Ethernet LED (**Computer icon**) should also light up when connected to a device.

Step 3: Secure Your Network (Optional)

For enhanced security, you can pair your powerline adapters:

1. Press the 'Pair' button on the TL-PA4010 adapter for 1 second. The Power LED will start blinking.
2. Within 2 minutes, press the 'Pair' button on the TL-PA4020 adapter for 1 second. The Power LED will also start

blinking.

3. When the Powerline LED on both adapters turns solid green, the pairing process is complete.



Image: A close-up of the two powerline adapters, highlighting their indicator lights (Power, Powerline, Ethernet) and the 'Pair' button for secure network setup.

Operating Your Powerline Network

Once set up, your powerline network operates automatically. The adapters use your home's electrical wiring to transmit network data, providing a stable and fast connection.

Indicator Lights

- **Power LED (Power icon):** Indicates the power status. Solid green means the device is on. Blinking indicates pairing mode.
- **Powerline LED (House icon):** Indicates the powerline connection status. Solid green means a good connection. Other colors or off indicate a weaker or no connection.
- **Ethernet LED (Computer icon):** Indicates the Ethernet port status. Solid green means a device is connected and active.

Power Saving Mode

The TL-PA4026 KIT features a Power Saving mode that automatically reduces power consumption by up to 85% when no data activity is detected for a certain period. This helps conserve energy without manual intervention.

Maintenance

To ensure optimal performance and longevity of your powerline adapters:

- **Placement:** Plug the adapters directly into wall outlets. Avoid plugging them into power strips, surge protectors, or extension cords, as this can degrade performance.
- **Environment:** Keep the adapters in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the adapters. Do not use liquid or aerosol cleaners.
- **Firmware Updates:** Periodically check the TP-Link official website for any available firmware updates for your model to ensure the best performance and security.

Troubleshooting

If you encounter issues with your powerline network, try the following solutions:

No Powerline Connection (Powerline LED is off or red)

- Ensure both adapters are plugged directly into wall outlets, not power strips or extension cords.
- Verify that both adapters are on the same electrical circuit. Powerline adapters typically do not work across different electrical phases or circuits connected to different fuse boxes.
- Try plugging the adapters into different outlets to find one with a stronger signal.
- Re-pair the adapters by following the 'Secure Your Network' steps in the Setup Guide.

Slow Speed or Intermittent Connection

- Electrical noise from other appliances (e.g., washing machines, refrigerators, microwaves) can interfere with powerline signals. Try unplugging such devices temporarily to see if performance improves.
- Ensure the adapters are not too far apart. While they support up to 300 meters over electrical circuitry, obstacles and wiring quality can affect range.
- Check the Powerline LED color: Green indicates a good connection, Yellow indicates a fair connection, Red indicates a poor connection. Adjust placement if necessary.

No Internet Access on Connected Device

- Confirm that your router has an active internet connection.
- Ensure the Ethernet cable between the powerline adapter and your device is securely connected.
- Check the Ethernet LED on the powerline adapter; it should be solid green.
- Restart your router, powerline adapters, and the connected device.

Specifications

Feature	Detail
Brand	TP-Link
Model Number	TL-PA4026 KIT
Data Transfer Rate	Up to 500 Mbps
Interface	2 x 10/100Mbps Ethernet Ports (on TL-PA4020), 1 x 10/100Mbps Ethernet Port (on TL-PA4010)

Feature	Detail
Standards and Protocols	HomePlug AV, IEEE 1901, IEEE 802.3, IEEE 802.3u
Range	300 meters over electrical circuitry
Power Consumption	Power Saving Mode reduces consumption by up to 85%
Dimensions (L x W x H)	Approx. 2 x 2.6 x 1.1 inches (per adapter)
Operating System Compatibility	Windows 10/8.1/8/7/Vista/XP/2000, Mac OS X, Linux
Color	White

Warranty and Support

TP-Link products typically come with a limited warranty. For specific warranty terms, technical support, and additional resources (such as updated drivers or utility software), please visit the official TP-Link website or contact their customer support directly. Keep your purchase receipt for warranty claims.
TP-Link Official Website: www.tp-link.com

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