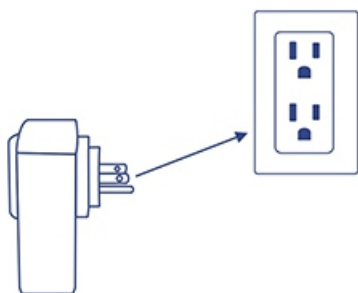# Powerline 500 AV Adapter Kit with Built-In Outlet
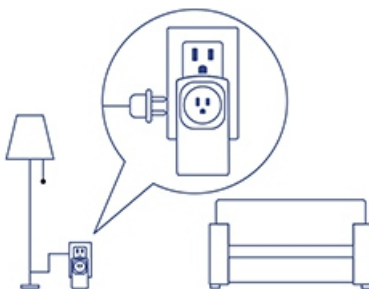
TPL-407E2K (v2.0R)

- Includes two TPL-407E adapters
- Powerline 500 networking
- Never lose an electrical outlet with the built-in socket
- Connects over electrical lines
- Two adapters are needed to start a network.
- Compact form factor saves space
- Easy Installation

The Powerline 500 AV Adapter Kit with Built-In Outlet, model TPL-407E2K, uses existing electrical lines to create a high-speed network. Two adapters are needed to start a network. Connect one adapter to your router and plug another adapter into an outlet on your electrical system for instant high-speed network access. The compact form factor saves space and offers an additional electrical outlet.
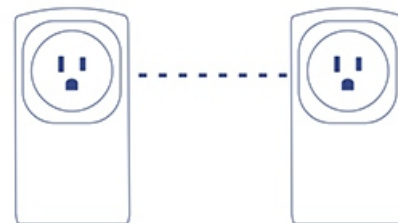
Plug In Install

Simply plug in TRENDnet adapters! The encrypted Powerline signal auto-connects over an existing electrical system.
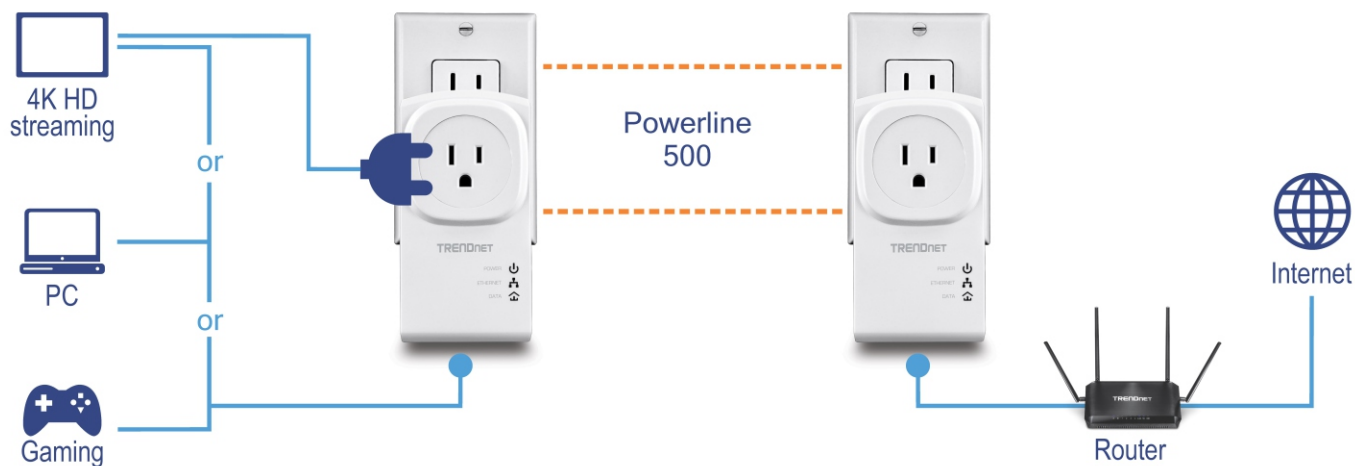
Built-In Outlet

With so many devices needing power, you don't lose an outlet when plugged in. Plug the adapter into an outlet, then plug a power strip into the adapter.

Network Stability

Ultra-stable Powerline networking is preferred by internet service providers.

Networking Solution

4K HD streaming

PC

Gaming

or

or

Powerline 500

Internet

Router

Ease of Use

Adapters
Includes two TPL-407E adapters

Easy Installation
Simply plug in the adapters

Powerline 500
Powerline networking over existing electrical lines**

Cross Compatible
TRENDnet Powerline Homeplug AV adapters work together

Built-In Outlet
Never lose an electrical outlet with the built-in socket-Plug the adapter into an outlet, then plug in other devices

Sync Button
Press the Sync button to change existing encryption keys

Noise Filter
Advanced electrical noise filter boosts performance

Energy Savings
Power Save mode reduces electrical consumption by up to 80%

Multiple Adapters
Two adapters are needs to start a network-use up to 8 adapters

Specifications

Standards
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 1901 / HomePlug AV
- HomePlug 1.0

Device Interfaces
- Ethernet port
- Sync / reset button
- Status LEDs
- Power plug
  - A: North America Type B (NEMA 5–15)
  - EU: Euro Type C (CEE 7/16)
  - UK: United Kingdom Type G (BS 1363)

Frequency Band
- 2 – 68 MHz

Data PHY Rate
- 500 Mbps

Networking Distance
- Up to 300 m (980 ft.) linear distance over electrical power lines

Security
- 128-Bit AES (Advanced Encryption Standard)

Optional Utility: OS Compatibility
- Windows® 10, 8.1, 8, 7, Vista, XP

Nodes
- Up to 8 (max.)

Overlapping Powerline Networks
- Up to 4 (per electrical system)

Outlet Current
- 110V AC, 20A (max.)
- 220V AC, 16A (max.)

Power
- Input: 100 – 240 V AC, 50/60 Hz
- Consumption: Active mode: 2.7 Watts (max.); Standby mode: 0.34 Watts (max.)

Operating Temperature
- 0 – 40 °C (32 – 104 °F)

Operating Humidity
- Max. 90 % non-condensing

Certifications
- CE
- FCC

Dimensions
- 112 x 68 x 40 mm (4.4 x 2.7 x 1.1 in.)

Weight
- A: 104 g (3.7 oz.)
- EU: 190 g (6.7 oz.)
- UK: 190 g (6.7 oz.)

Warranty
- 3 year limited

Package Contents
- 2 x TPL-407E
- Quick Installation Guide
- 2 x Network cable (1.5 m / 5 ft.)

---

* Maximum of 8 adapters (nodes) recommended for streaming video across your network.

** 500 Mbps is the maximum theoretical Powerline data rate. Actual throughput will vary depending on environment. Networked Powerline devices need to be plugged into power outlets that are on the same electrical system. GFCI outlets and AFCI circuit breakers may degrade Powerline network signals.