



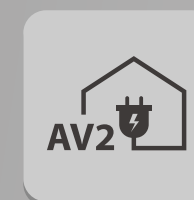
AV2000

2-port Gigabit Passthrough Powerline Starter Kit

TL-PA9020P KIT

Highlights

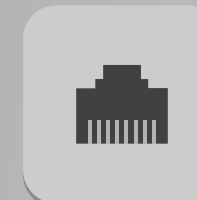
- **HomePlug AV2** – Provides ultra-fast powerline transfer speeds of up to 2000Mbps¹
- **2X2 MIMO with Beamforming** – Establishes multiple simultaneous connections for you to enjoy higher powerline speeds and greater stability
- **2 Gigabit Ports** – Create secure wired networks for desktops or IPTVs
- **Extra Power Socket** – Get power from the outlet for other devices with the integrated power socket
- **Plug ,Pair and Play** – Establish a unified and secure network in minutes
- **Power-Saving Mode** – Automatically reduces power consumption by up to 85%



2000Mbps
HomePlug AV2



Extra Power
Socket



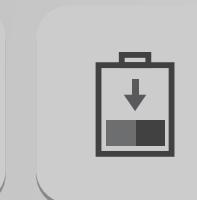
Gigabit
LAN Ports



300
Meters



One Button
Security



Power
Save

Features

Speed

- Ultra-fast Powerline Speed – HomePlug AV2 standard compliant, high-speed data transfer rate of up to 2000Mbps, ideal for Ultra HD streaming and online gaming
- Multiple Gigabit Ports – 2 Gigabit Ethernet Ports allow your TVs, game consoles or PCs to connect to the Internet at high speeds

Reliability

- Mains Filter – Mains Filter inside the outlet reduces electrical noise interference and improves powerline communication performance

Ease of Use

- Plug , Pair and Play – Set up your Powerline network in a matter of minutes. Simply plug, pair, and enjoy.
- No New Wires – No new wires, use existing electrical wiring to expand your home network
- Extra Power Outlet – Embedded power socket makes power accessible to other devices

Energy Saving

- Power Save – Power Saving Mode helps reducing power consumption by up to 85%¹

Range

- 300-meter Range – Up to 300-meter range over the household power circuit

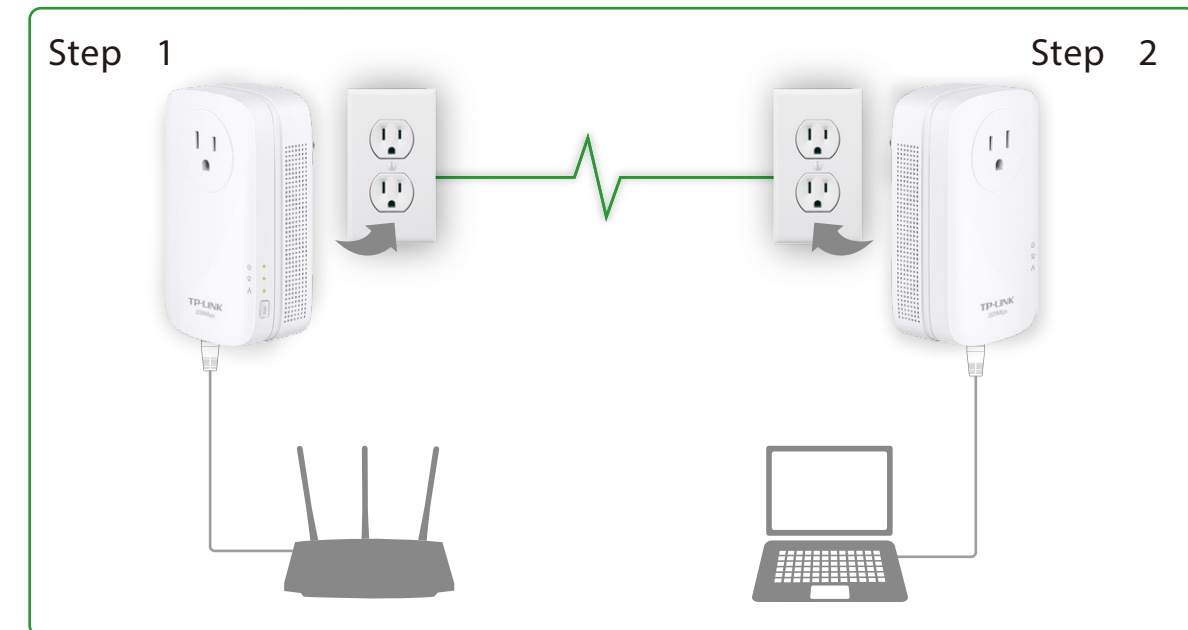
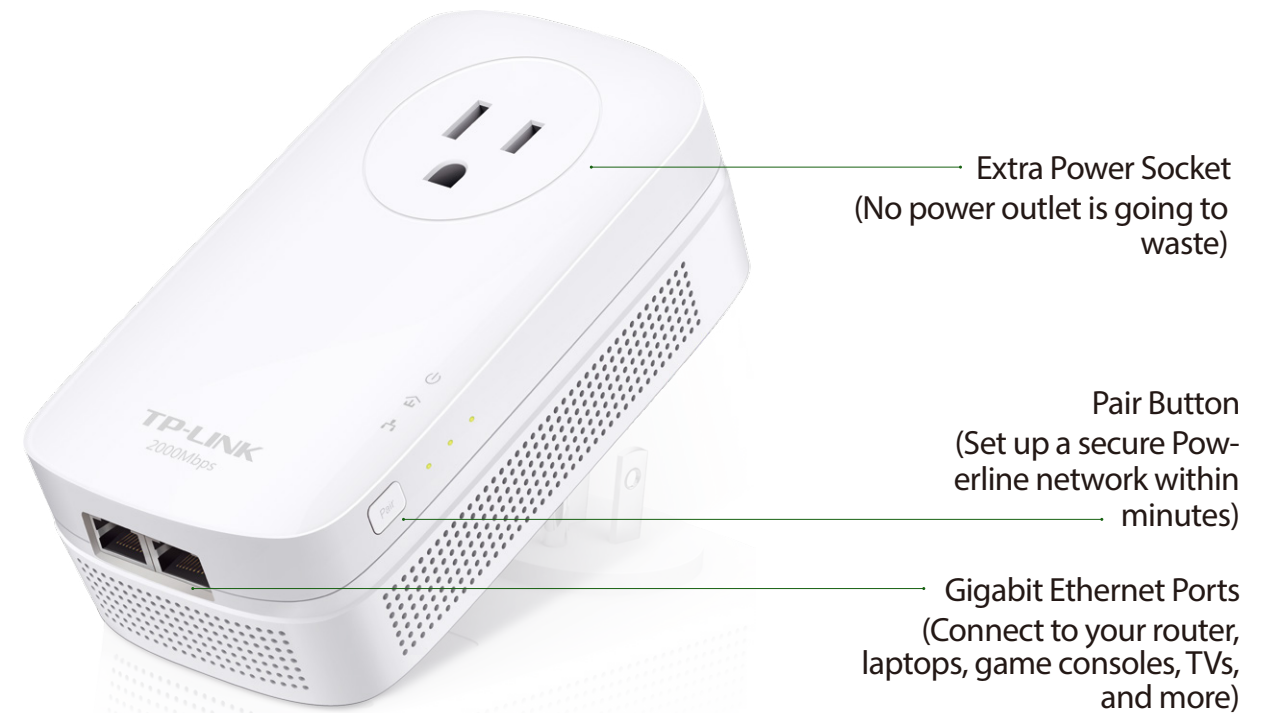
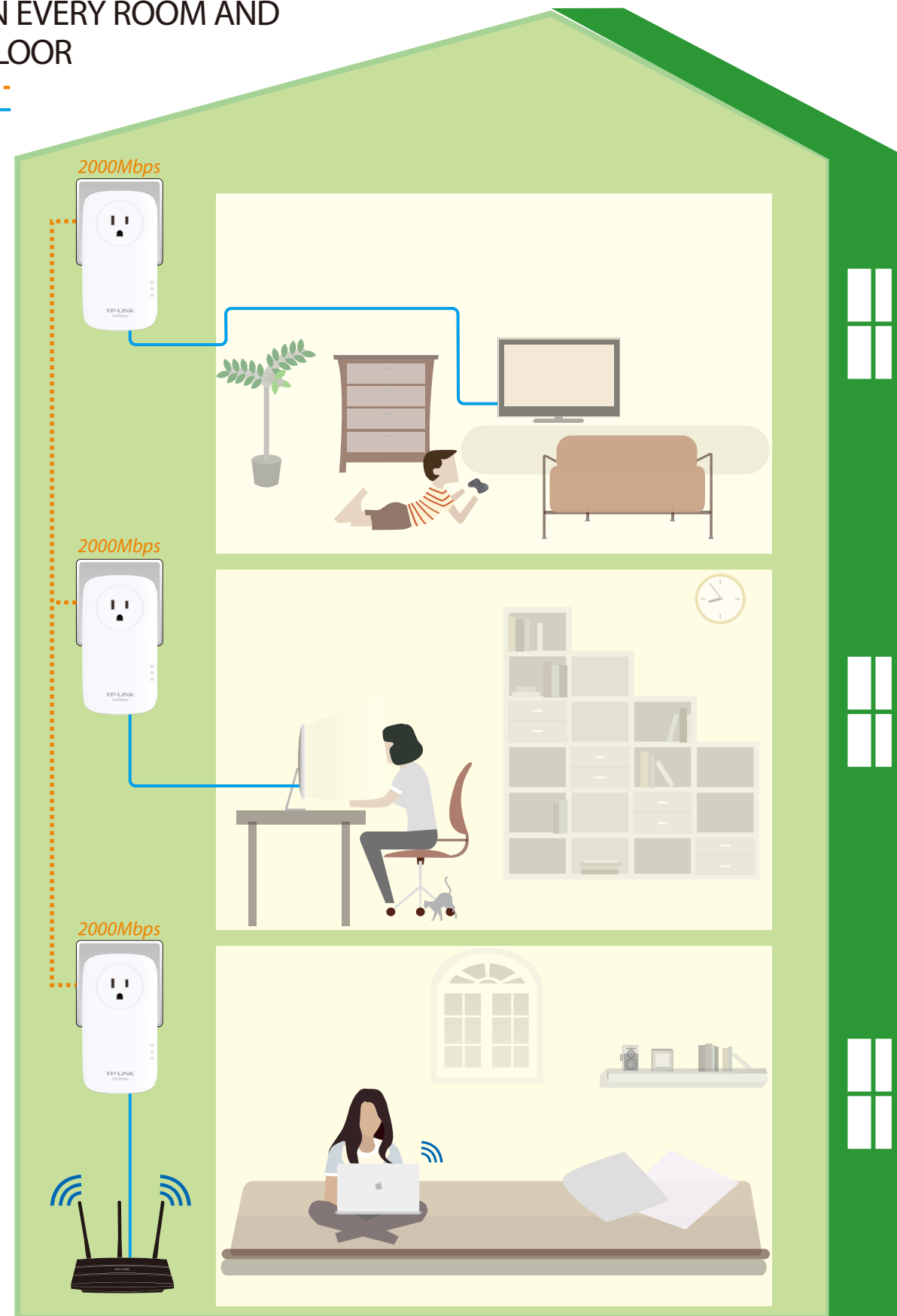
Security

- Pair Button – 128-bit AES encryption easily at a push of "Pair" Button

Diagrams

INTERNET IN EVERY ROOM AND ON EVERY FLOOR

Electrical Wiring ———
Ethernet Cable ———



Note: Powerline adapters should be deployed on the same circuit and in set of two or more. The first, connected to the router and others located elsewhere to enable connectivity in those locations.

2X2 MIMO with Beamforming

The HomePlug AV2 standard with 2X2 MIMO significantly improves speeds, especially during peak hours.

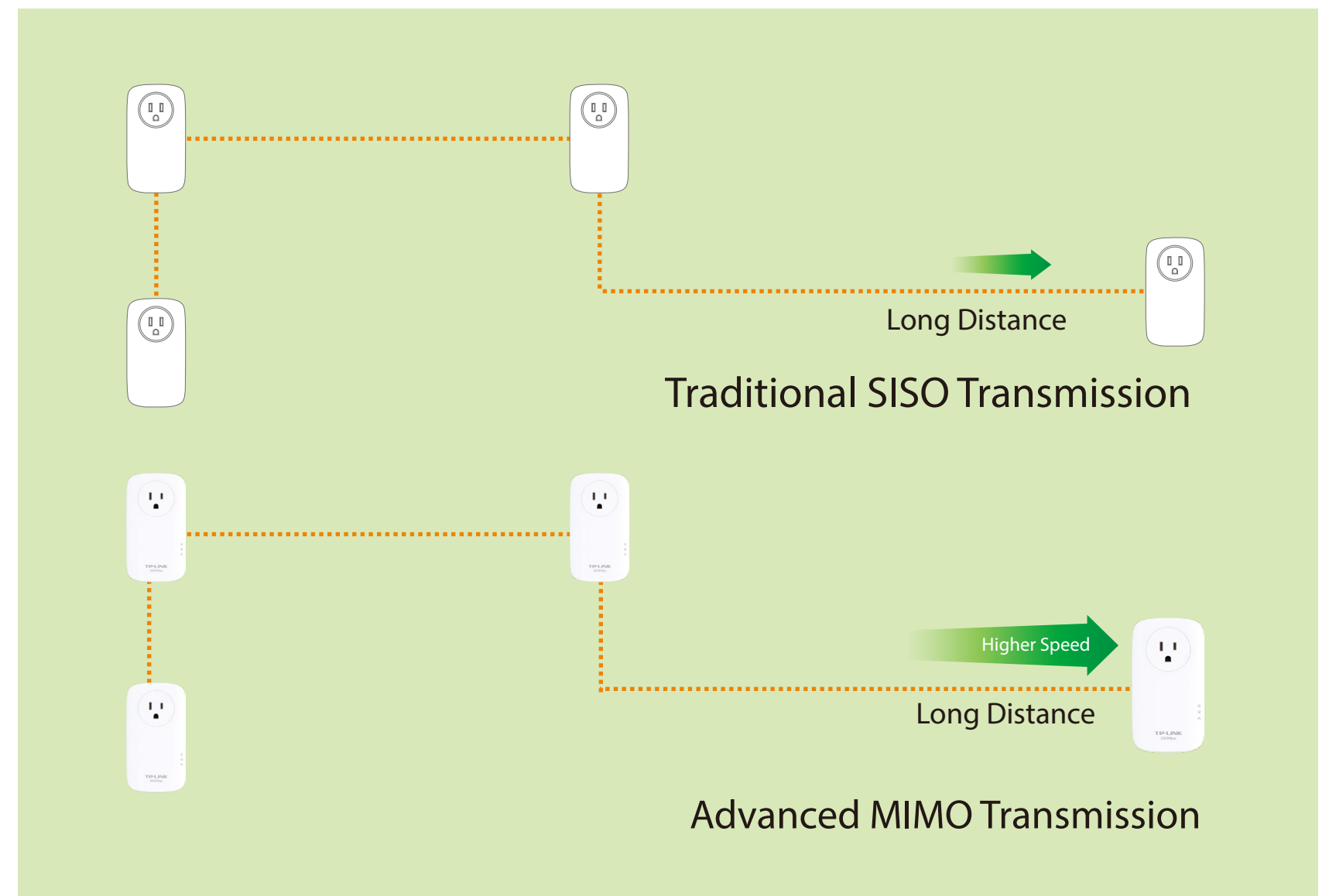
More Stable Connections

Incorporating 2X2 MIMO is like adding an extra lane to a highway. It establishes multiple simultaneous connections, allowing you to enjoy higher speeds and greater stability.



Better Long Distance Performance

2X2 MIMO with Beamforming Technology also offers the benefit of improved coverage and long distance performance throughout the home, particularly for previously hard to reach outlets.



Specifications

Hardware

- **Transmission Speeds:** Powerline: up to 2000 Mbps
Ethernet: 10/100/1000 Mbps
- **Standards and Protocols:** HomePlug AV2, HomePlug AV, IEEE 1901, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- **Interface:** 2 * Gigabit Ethernet Port, Power Socket
- **Plug Type:** EU, UK, US, FR
- **Button:** Pair Button
- **LED Indicator:** Power, Powerline, Ethernet
- **Item Dimensions (W x D x H):** 5.2×2.8×1.7 in. (131×72×42 mm)
- **Packing Dimensions (W x D x H)::** 9.1 x 7.5 x 3.9 in. (230x190x100 mm)
- **Access Methods:** CSMA/CA channel-access schemes
- **Frequency Band:** 2 MHz to 86 MHz
- **IGMP:** IGMP v1/v2/v3
- **Power Output to Integrated Socket:** 16 A
- **Power Consumption:** Maximum: 5.8 W (230V/50Hz)
Standby: 0.5 W (230V/50Hz)
- **Power Saving Mode:** When there is no Ethernet link in 300 seconds
- **Range:** 300 meters in house
- **Compatibility:** Compatible with all AV2000, AV1200, AV1000, AV600, AV500 & AV200 powerline adapters

Software

- **Modulation Technology:** OFDM
- **Security:** 128-bit AES Encryption
- **Quality of Service (QoS):** ToS
Supports up to 4-level type QoS
Support up to 8-level VLAN priority field

Others

Package Contents

- AV2000 2-port Gigabit Passthrough Powerline Adapter, TL-PA9020P * 2
- 2-meter RJ-45 Ethernet Cable * 2
- Quick Installation Guide

Certification

- CE, RoHS

System Requirements

- Windows 8.1/8/7/Vista/XP, Mac OS, Linux²

Environment

- Operating Temperature: 0°C~40°C (32°F~104°F)
- Storage Temperature: -40°C ~70°C (-40°F ~158°F)
- Operating Humidity: 10%~90% non-condensing
- Storage Humidity: 5%~90% non-condensing

Others

Ideal to use with



- AC2600 Wireless Dual Band Gigabit Router Archer C2600



- AC1900 Wireless Dual Band Gigabit Router Archer C9

Similar Products



- AV1200 Gigabit Passthrough Powerline Starter Kit TL-PA8010P KIT



- AV1200 3-Port Gigabit Passthrough Powerline Starter Kit TL-PA8030P KIT



For more information, please visit

<http://WWW.TP-LINK.COM/us/products/details/?model=TL-PA9020P+KIT>

or scan the QR code left

www.tp-link.com

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¹ Actual data will vary because of the network conditions and environment factors.

² Utility supports Windows 8.1/8/7/Vista/XP and Mac OS X (10.7 or later) operating system for the present.