



# AV2000 2-port Gigabit Passthrough Powerline Starter Kit

Extend Reliable Gigabit Network  
Using Existing Electrical Wiring

TL-PA9020P KIT



4K HD video streaming  
and lag-free gaming



2x2 MIMO  
Technology



Plug and Play

# Highlights

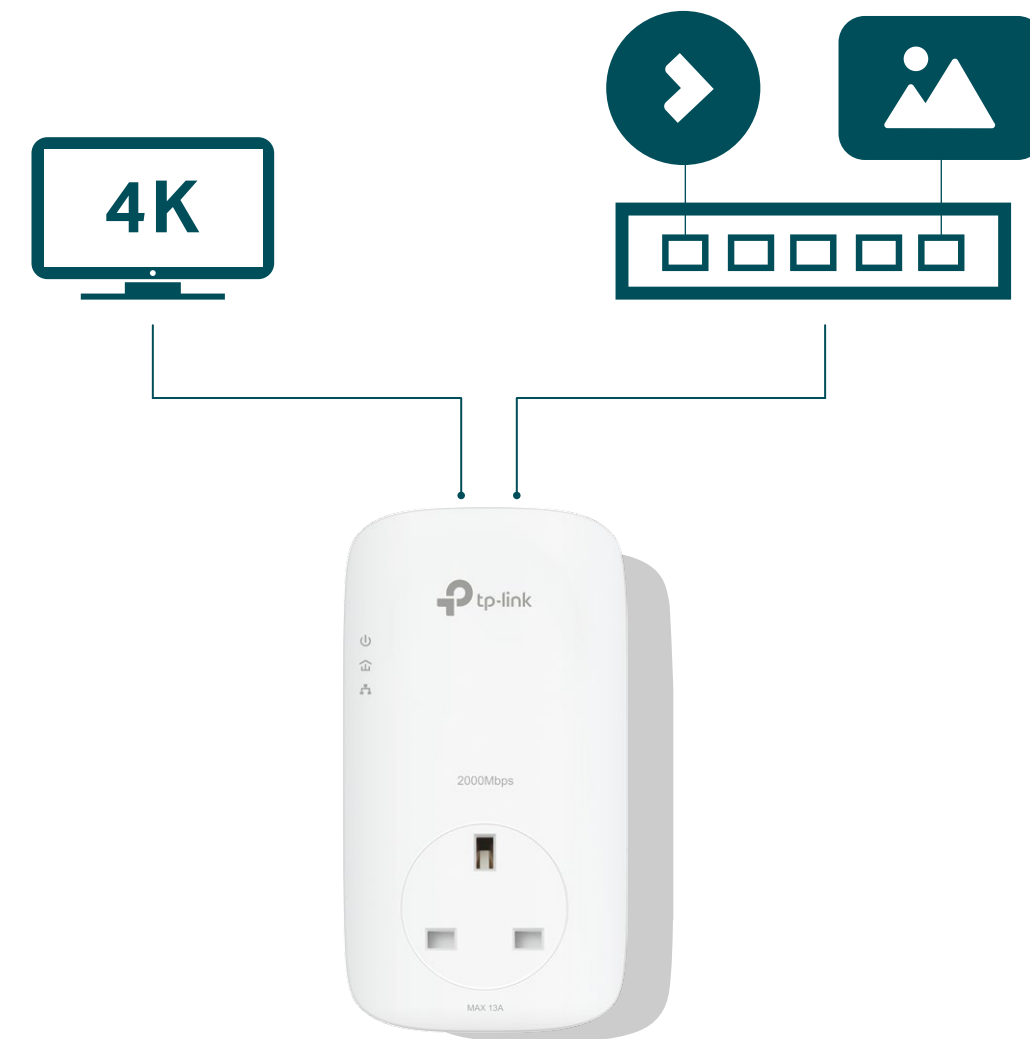
## 2,000 Mbps Powerline with 2×2 MIMO†

Advanced HomePlug AV2 2,000 Mbps Powerline accompanied with 2×2 MIMO technology significantly improves data transfer rates, stability and coverage.



## Gigabit Ethernet for Fast Connections

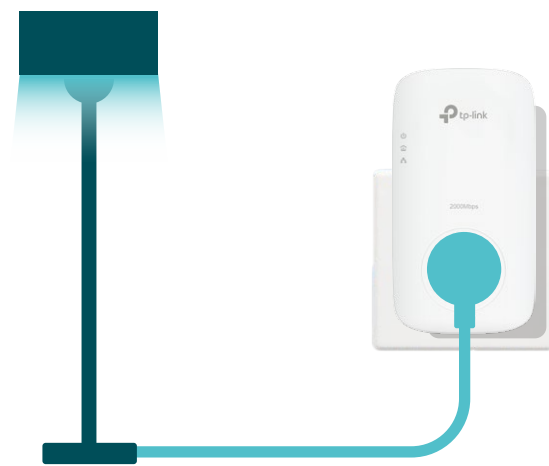
Two Gigabit Ethernet ports provide reliable high-speed wired connections for game consoles, smart TVs, STB and more.



# Highlights

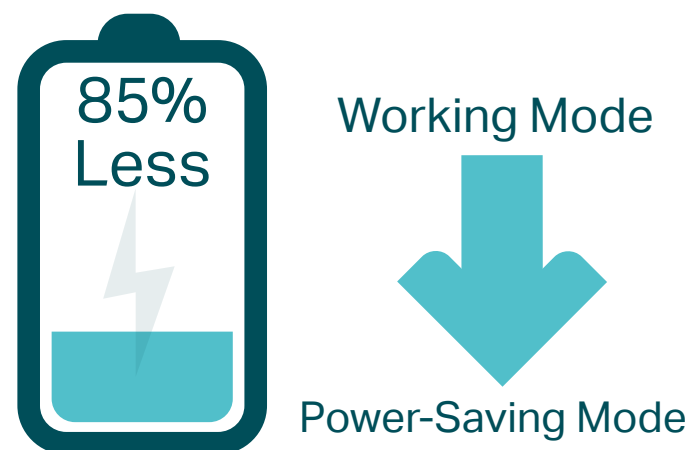
## Don't Lose an Outlet

An integrated socket lets you power regular devices as normal, and a built-in noise filter prevents them from interrupting the powerline signal.



## Power Saving

Automatically switches to "Power-Saving" mode when not in use, reducing its energy consumption by up to 85%.<sup>§</sup>

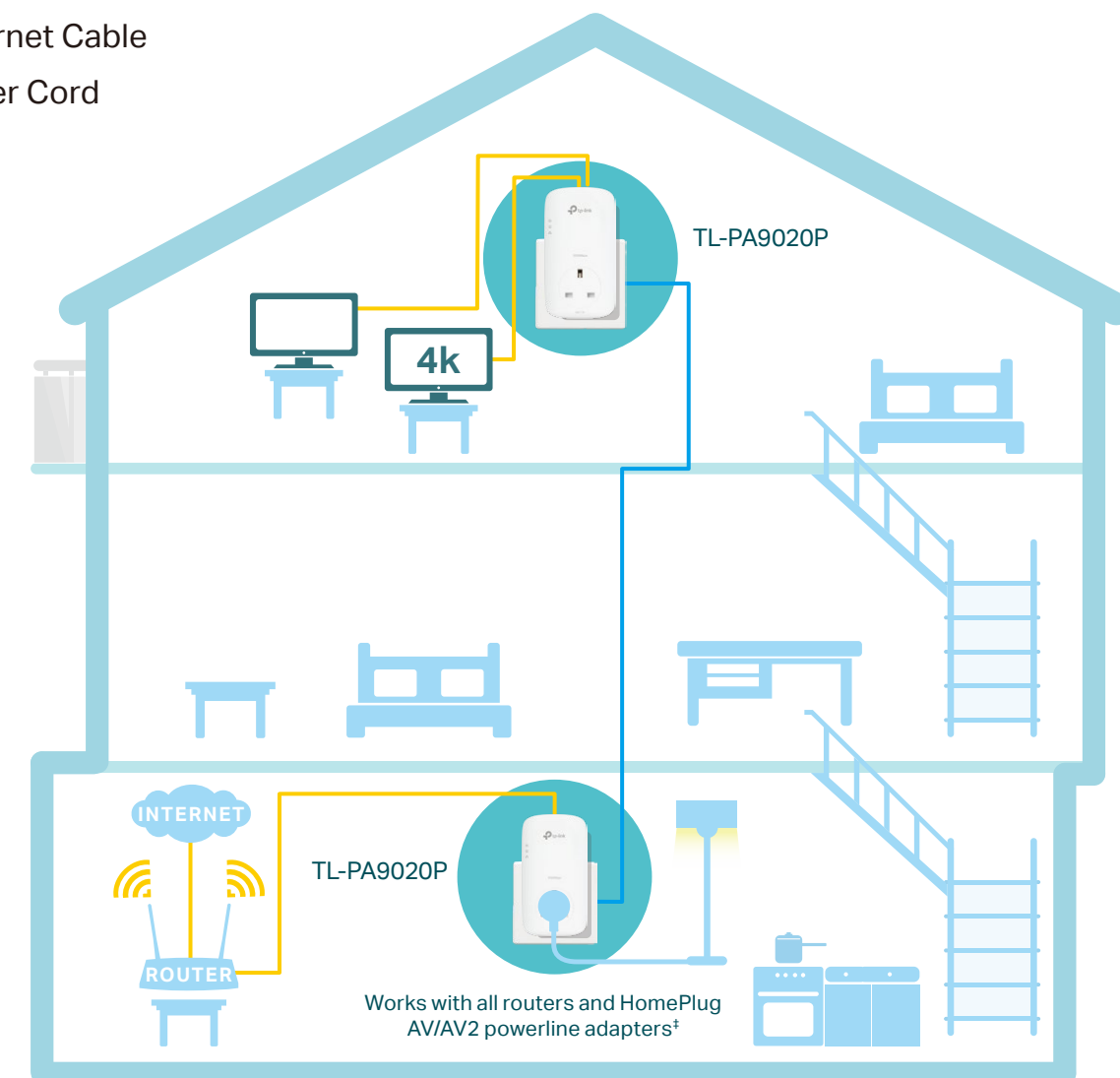


## Get Reliable Gigabit Network from Any Outlet

The AV2000 2-port Gigabit Passthrough Powerline Starter Kit brings internet to any area with a power outlet using your home's electrical wiring.<sup>†</sup>

- No need for new wires or drilling
- Network passes through walls and floors

- Electrical Wiring
- Ethernet Cable
- Power Cord



# Features

## Speed

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

## Ease of Use

- **Plug and play** – Plug and play, no configuration required
- **No new wires** – No new wires, use existing electrical wiring to expand your home network
- **Keep your outlet** – An integrated socket lets you power regular devices as normal, and a built-in noise filter prevents them from interrupting the powerline signal.
- **TP-Link tpPLC** – Allows you to easily manage your network using the tpPLC Utility

## Range

- **300-meter Range** – Up to 300 meters/1,000 feet over existing electrical wiring†

## Security

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

## Reliability

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

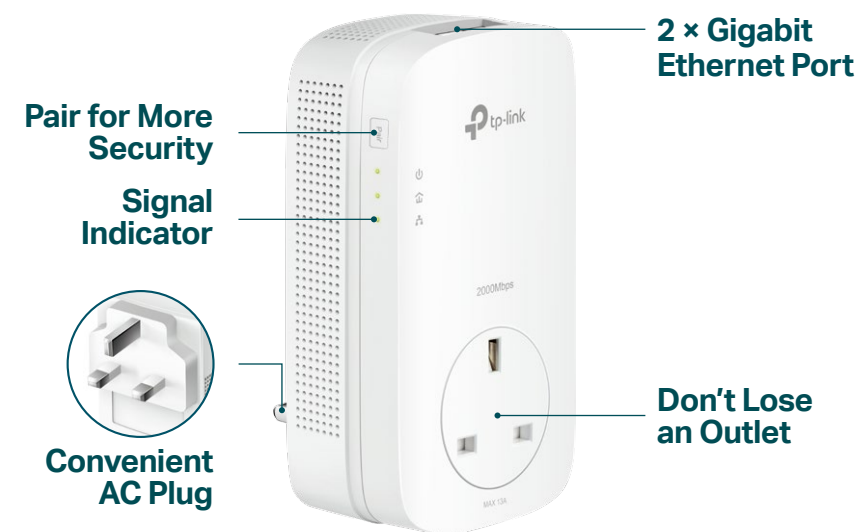
## Energy Saving

- **Power Saving** – Power Saving Mode helps reducing power consumption by up to 85%<sup>§</sup>

# Specifications

## Hardware

- Plug Type: UK
- Standards and Protocols: HomePlug AV2, HomePlug AV, IEEE 1901, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- Transmission Speeds: Powerline: up to 2000 Mbps; Ethernet: 10/100/1000 Mbps
- Power Consumption: Maximum: 5.8W; Standby: 0.5W
- Range: Up to 300 meters/1,000 feet over existing electrical wiring†
- Interface: 2 × Gigabit Ethernet Port, Power Socket
- Button: Pair Button
- LED Indicator: Power, Powerline, Ethernet
- Dimensions (W x D x H): 2.8 × 1.7 × 5.2 in (72 × 42 × 131 mm)



For more information, please visit

<https://www.tp-link.com/home-networking/powerline/tl-pa9020p-kit/>

or scan the QR code left

Specifications are subject to change without notice. TP-Link is a registered trademark of TP-Link Technologies Co., Ltd. Other brands and product names are trademarks or registered trademarks of their respective holders. Copyright ©2019 TP-Link Technologies Co., Ltd. All rights reserved.

†Maximum Powerline signal rates are the physical rates derived from HomePlug AV/AV2 specifications. Actual Powerline data throughput and Powerline range are not guaranteed and will vary as a result of network conditions and environmental factors, including electrical interference, volume of traffic and network overhead, AFCI circuit breaker, and Powerline being located in a separate circuit.

‡Compatible with all HomePlug AV and AV2 Standard Powerline adapters. This product may not be compatible with routers or gateways with firmware that has been altered, is based on open source programs, or are non-standard or outdated.

§Actual power saving data will vary in different network conditions and environments.

## Software

- Modulation Technology: OFDM (PLC)
- Encryption: Powerline Security: 128-bit AES

## Others

- Certification: CE, RoHS
- Package Contents:
  - AV2000 2-port Gigabit Passthrough Powerline Adapter 2 × TL-PA9020P
  - 2 × Ethernet Cable
  - Quick Installation Guide
- System Requirements:
  - Windows 2000/XP/2003/Vista, Windows 7/8/8.1/10, Mac, Linux
- System Requirements for tpPLC Utility:
  - Windows XP/Vista/7/8/8.1/10 and Mac OS X (10.7 or later)
- 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

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

TP-Link AV2000 2-port Gigabit Passthrough Powerline Starter Kit TL-PA9020P KIT