



# AV1000

2-port Gigabit Passthrough Powerline Starter Kit

TL-PA7020P KIT

## Highlights

- AV1000 – HomePlug AV2 standard compliant, high-speed data transfer rates of up to 1000Mbps, supports all your online needs
- Multiple Gigabit Ports – 2 Gigabit Ports create secure wired networks for desktops, smart TVs or game consoles
- Extra Power Outlet – Integrated power socket ensures no power outlet goes to waste
- Plug and Play – Plug and play, no configuration required



1000Mbps  
HomePlug AV2



Extra Power  
Socket



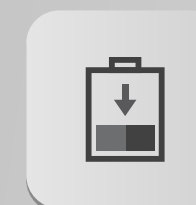
Gigabit  
Ports



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 1000Mbps, 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



## Energy Saving

- **Power Save** – Power Saving Mode helps reducing power consumption by up to 85%<sup>1</sup>



## Reliability

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



## Range

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



## 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
- **Extra Power Outlet** – Embedded power socket makes power accessible to other devices



## Security

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

# Specifications

## Hardware

- Transmission Speeds: Powerline: up to 1000 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: UK
- 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: 13 A
- Power Consumption: Maximum: 4.7 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 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

- AV1000 2-port Gigabit Passthrough Powerline Adapter, TL-PA7020P \* 2
- 2-meter RJ-45 Ethernet Cable \* 2
- Quick Installation Guide
- Resource CD

### Certification

- CE, RoHS

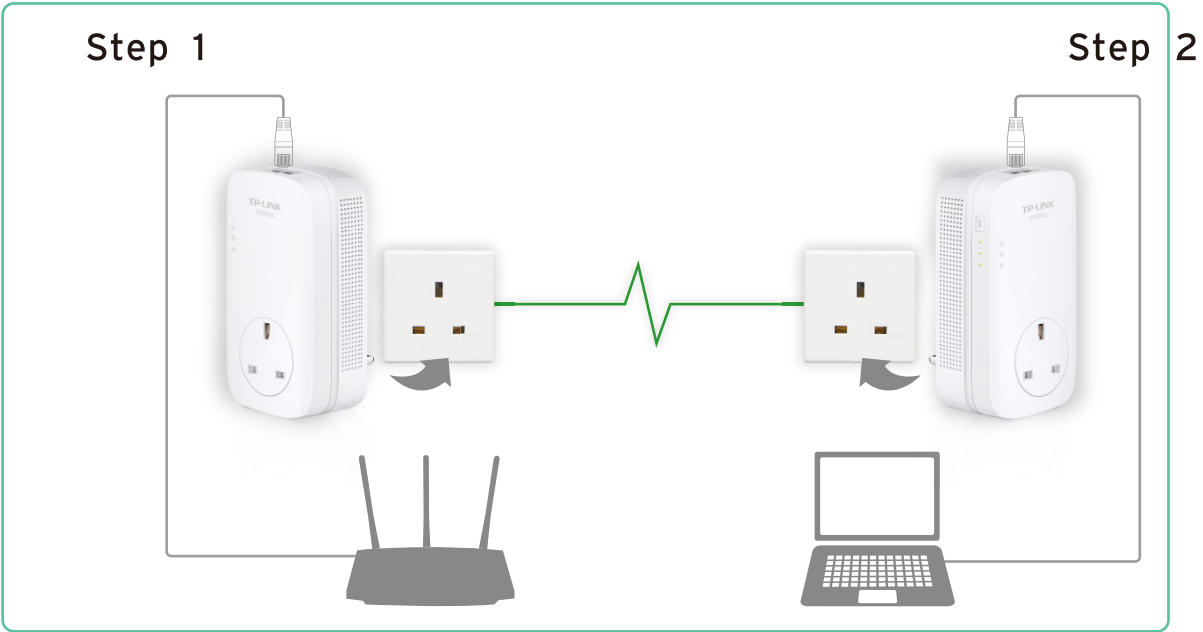
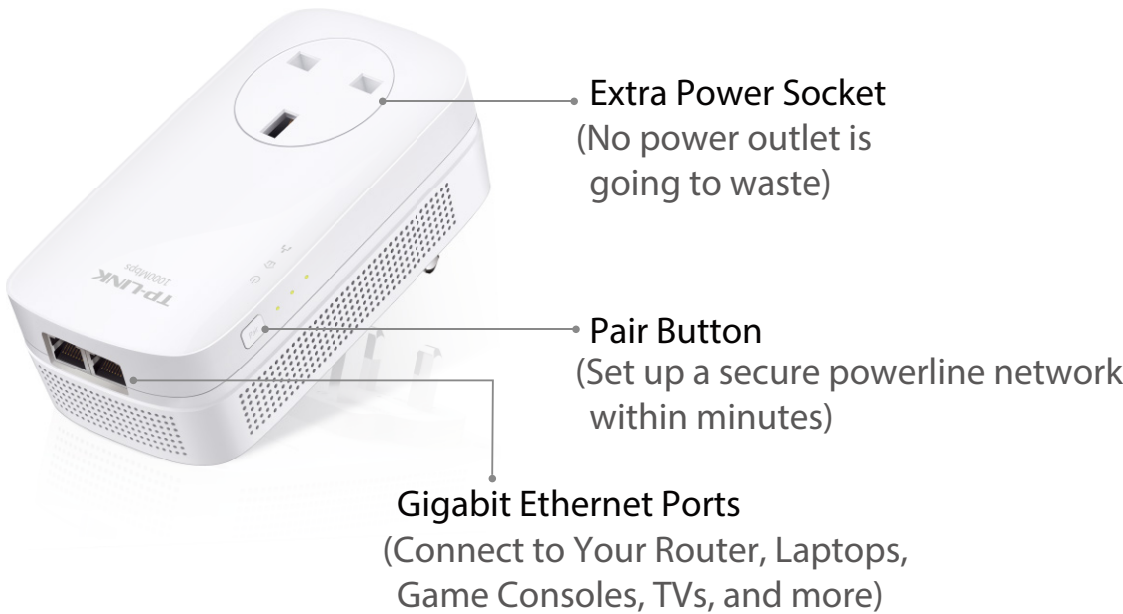
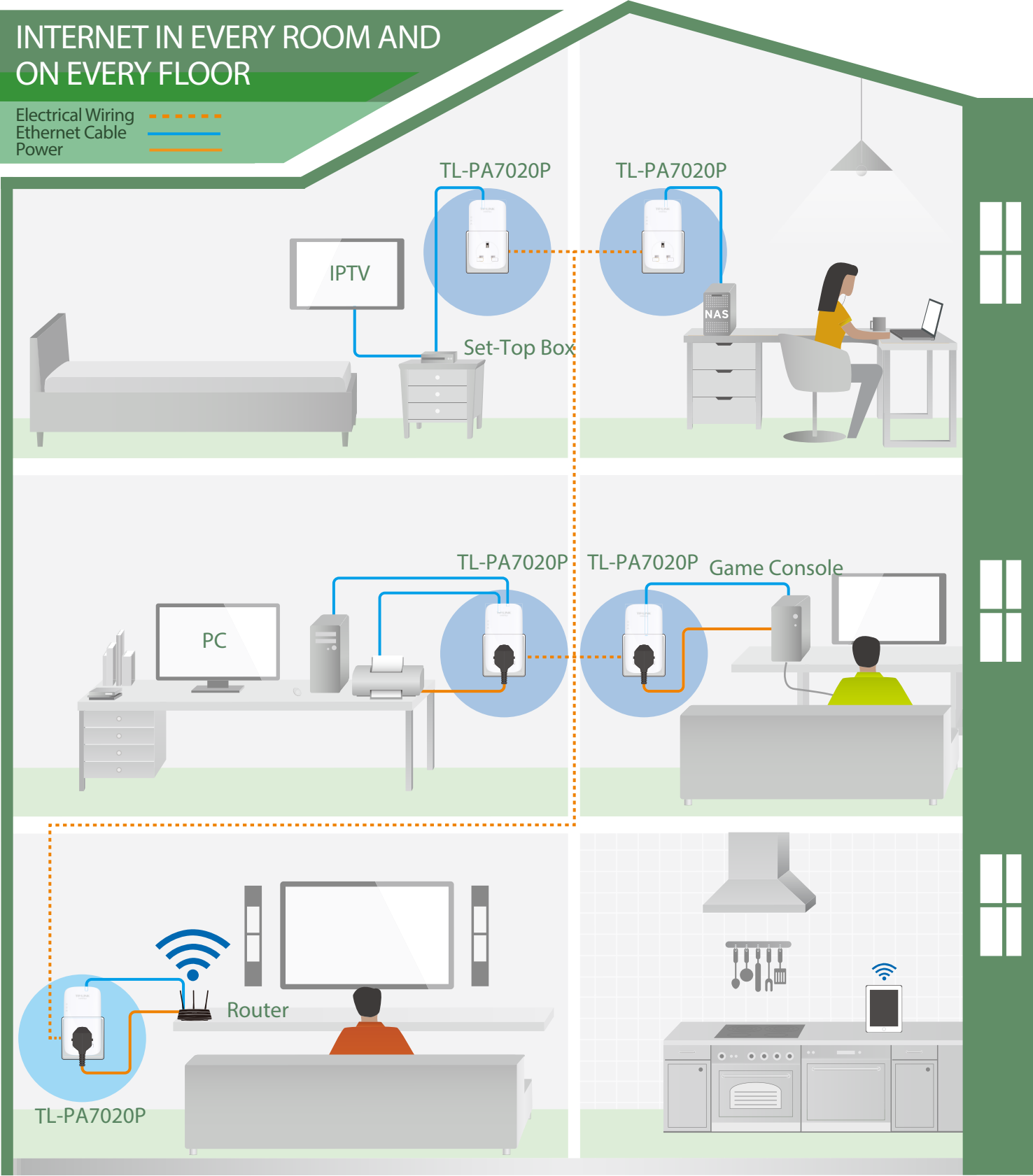
### System Requirements

- Windows 8.1/8/7/Vista/XP, Mac OS, Linux<sup>2</sup>

### Environment

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

# Diagrams



**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.

# Others

## Ideal to use with



- AC1900 Wireless Dual Band Gigabit Router Archer C9



- AC1750 Wireless Dual Band Gigabit Router Archer C8

## Similar Products



- AV1200 Gigabit Passthrough Powerline Starter Kit TL-PA8010P KIT



- 300Mbps AV500 WiFi Powerline Extender Starter Kit TL-WPA4220KIT



For more information, please visit  
<http://WWW.TP-LINK.COM/uk/products/details/?model=TL-PA7020P+KIT>  
or scan the QR code left

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

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<sup>1</sup> Actual data will vary because of the network conditions and environment factors.  
<sup>2</sup> Utility supports Windows 8.1/8/7/Vista/XP and Mac OS X (10.7 or later) operating system for the present.