



# AC750 Wi-Fi Range Extender AV1000 Powerline Edition

AC750 Wi-Fi to Power Up  
Your Network



TL-WPA7510 KIT



HomePlug AV2  
1000Mbps



300Mbps + 433Mbps  
Dual Band Wi-Fi

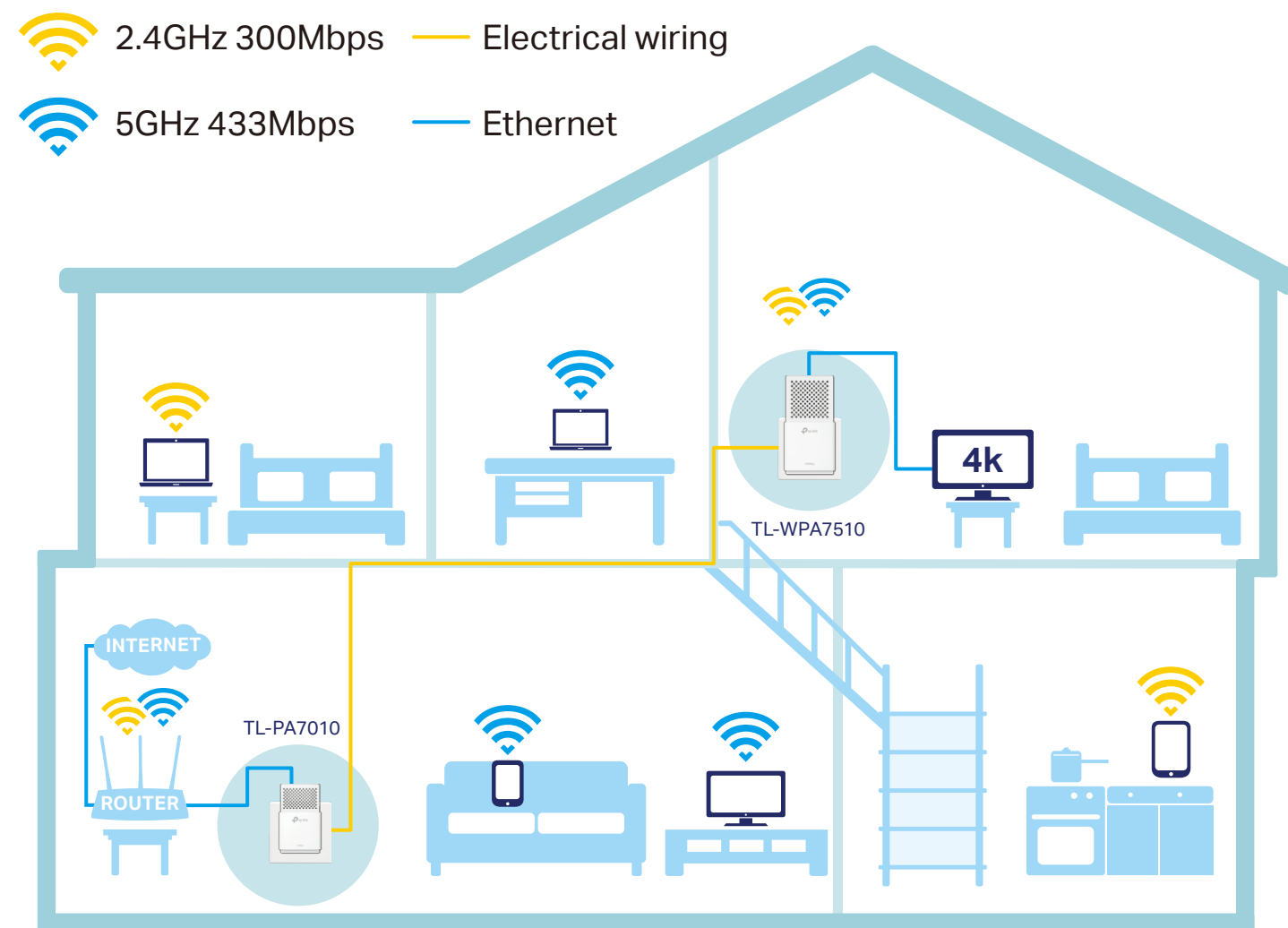


Wi-Fi  
Auto-Sync

# Highlights

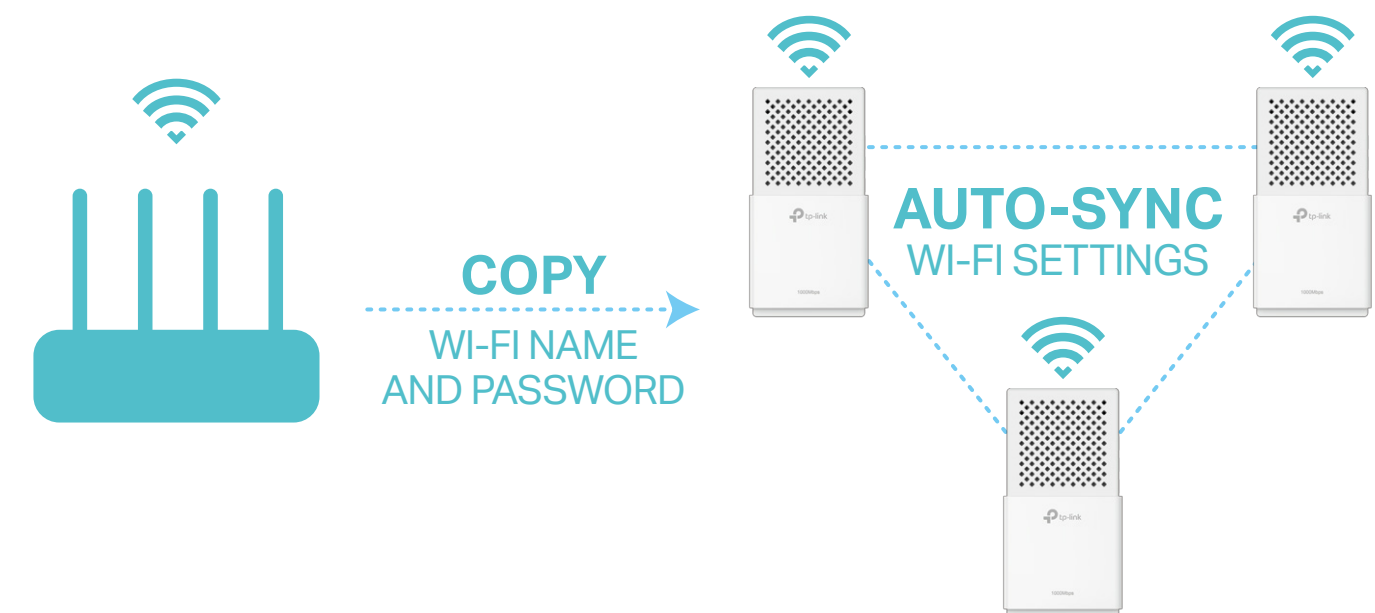
## HomePlug AV2 Standard Compliant

HomePlug AV2 provides users with stable, high-speed data transfer rates of up to 1000Mbps on a line length of up to 300 meters.



## Wi-Fi Auto-Sync for A Unified, Powerful Network

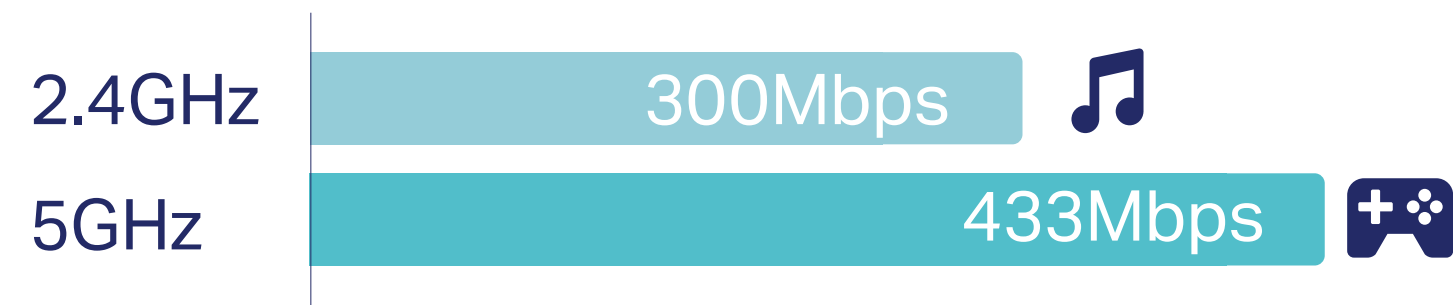
Powerline extenders simply copy your router's Wi-Fi settings and apply any changes across the secure powerline network with Wi-Fi Clone and Wi-Fi Move.



# Highlights

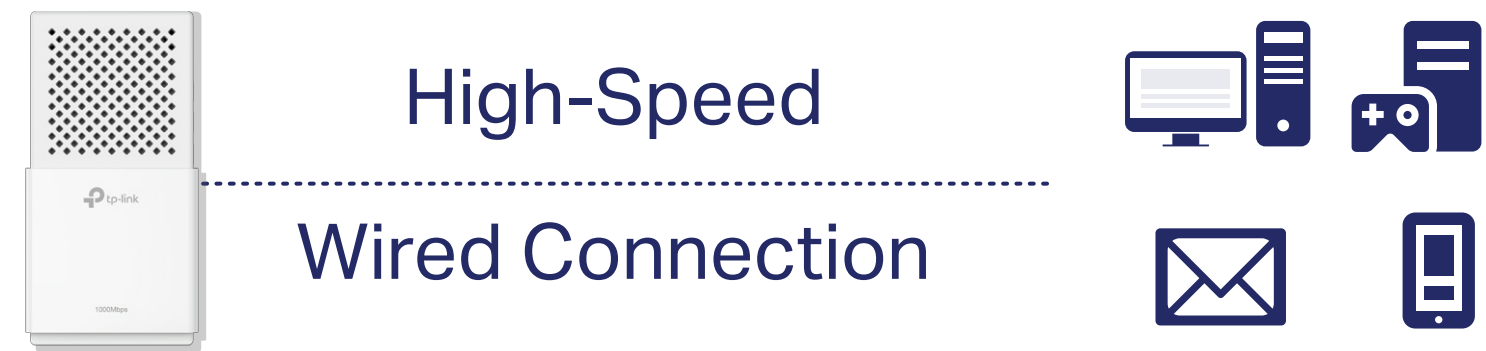
## Fast Dual Band Wi-Fi for Every Need in Every Room

300Mbps (2.4GHz) is ideal for browsing the web and video chatting, while 433Mbps (5GHz) is perfect for HD streaming and lag-free gaming.



## Gigabit Ethernet for Fast Connections

The Gigabit Ethernet port provides reliable high-speed wired connections for game consoles, smart TVs, and NAS.



# Features

## Speed

- **Wireless AC Standard** – AC750 dual band Wi-Fi (433Mbps on 5GHz & 300Mbps on 2.4GHz) allows streaming, gaming, emailing, browsing and posting on your wireless devices, throughout your home
- **HomePlug AV2** – Provides up to 1000Mbps high-speed data transmission over a home's existing electrical wiring
- **Gigabit Ethernet Ports** – Provide reliable high-speed wired connections for game consoles, smart TVs, and NAS
- **Speed Optimization** – Supports IGMP managed multicast IP transmission, optimizing IPTV streaming

## Range

- **300 Meters Range** – Up to 300 meters / 1000 feet range over the existing household power circuit

## Ease of Use

- **Wi-Fi Auto-Sync** – Simply copy your router's Wi-Fi settings and apply any changes across the secure powerline network with Wi-Fi Clone and Wi-Fi Move
- **TP-Link tpPLC** – Allows you to easily manage your network using the intuitive tpPLC App or the tpPLC Utility
- **Plug, Pair, and Play** – Quickly set up a secured Powerline network

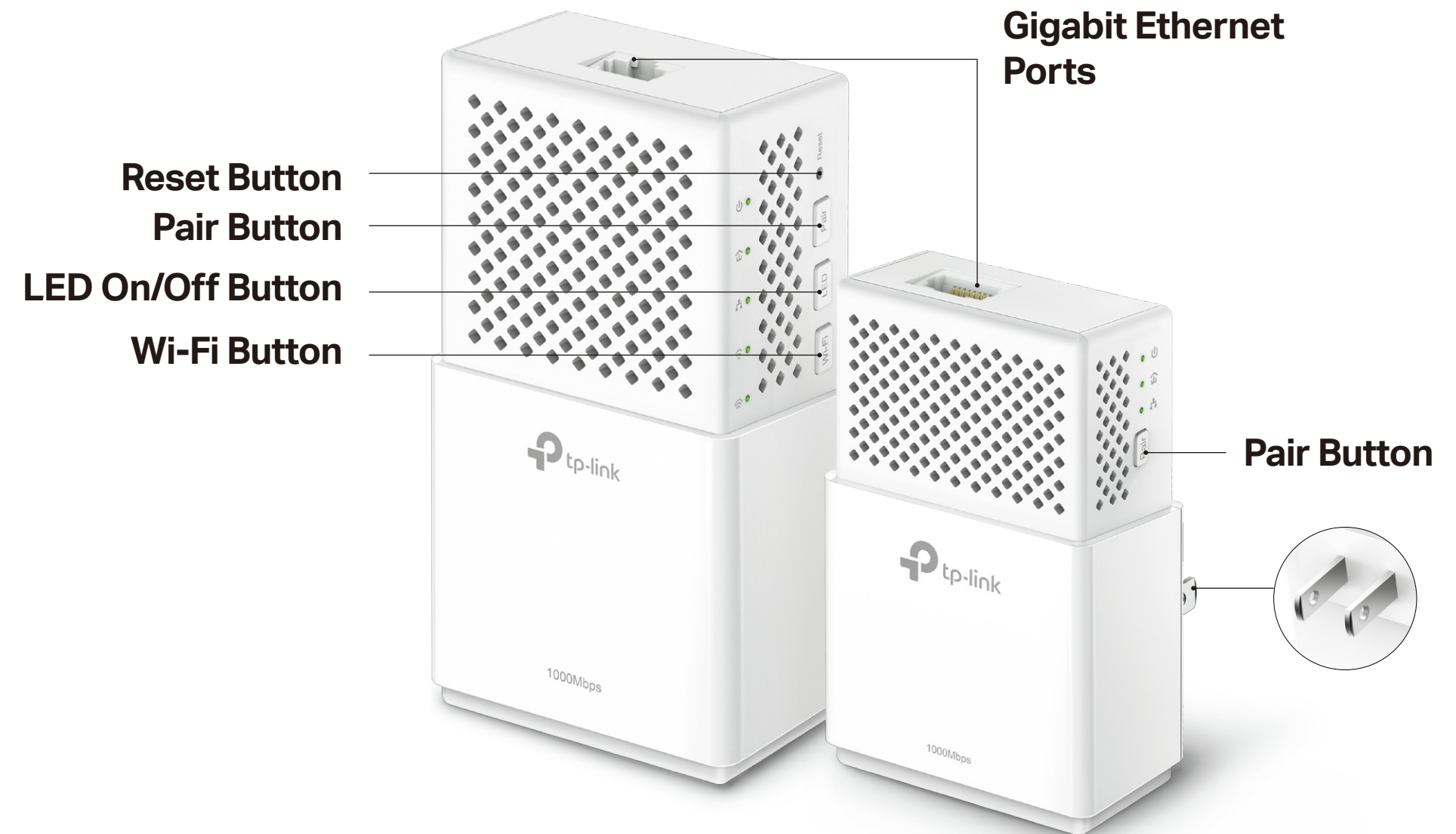
## Security

- **Pair Button** – Provides a connection with 128-bit AES encryption, at the touch of a "Pair" button
- **Parental Controls** – Manage when and how connected devices can access the internet
- **Encryptions for Secure Network** – WPA-PSK / WPA2-PSK encryptions provide active protection against security threats

# 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, IEEE 802.11b/g/n (2.4GHz), IEEE 802.11a/n/ac (5GHz)
- Interface: TL-WPA7510: 1 Ethernet Port; TL-PA7010: 1 Ethernet Port
- Plug Type: US
- Button: Pair, Reset, Wi-Fi Clone, LED On/Off
- LED Indicator: Power, Powerline, Ethernet, Wi-Fi (2.4GHz), Wi-Fi (5GHz)
- Dimensions (W x D x H):
  - TL-WPA7510: 5.3 × 2.8 × 1.9 in. (135.6 × 70.8 × 49 mm)
  - TL-PA7010: 3.8 × 2.4 × 1.4 in. (98 × 60 × 36 mm)
- IGMP: IGMP v1/v2/v3
- Power Consumption:
  - TL-WPA7510: Maximum: 9.6W, Typical: 6.5W
  - TL-PA7010: Maximum: 2.93W, Typical: 2.9W
- Range: Up to 300 meters/1000 feet over existing electrical wiring
- Compatibility:
  - Compatible with all HomePlug AV & AV2 standard powerline adapters



# Specifications

## Software

- Modulation Technology: OFDM
- Security:  
Wireless: WPA-PSK / WPA2-PSK, WEP Encrptions  
Powerline: 128-bit AES Encryption
- Management Tools:  
tpPLC: Scan the QR code to download TP-Link tpPLC App



Or download new tpPLC Utility on PCs: [www.tp-link.com](http://www.tp-link.com).

## Others

- Package Contents  
AC750 Wi-Fi Range Extender, AV1000 Powerline Edition:  
TL-WPA7510 & TL-PA7010  
Ethernet Cable × 2  
Quick Installation Guide
- Certification  
FCC, RoHS
- System Requirements  
Windows 10/8.1/8/7/Vista/XP, Mac OS, Linux
- System Requirements for tpPLC Utility  
Windows 10/8.1/8/7/Vista/XP 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



For more information, please visit  
<https://www.tp-link.com/us/products/details/TL-WPA7510-KIT.html>  
or scan the QR code on the left.

\* Listed AV and Wi-Fi speeds refer to the theoretical maximum physical-layer data transfer rate. Actual data speeds vary and are influenced by the home's Wi-Fi/electrical/physical environment, and if adapters are placed on the same home circuit. 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 ©2018 TP-Link Technologies Co., Ltd. All rights reserved.

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

TP-Link AC750 Wi-Fi Range Extender, AV1000 Powerline Edition TL-WPA7510 KIT