



G.hn2400 Powerline AX1800 Wi-Fi 6 Kit

AX1800 Wi-Fi to Power Up
Your Network

PGW2440 KIT



Plug & Play



Faster G.hn
Technology



Wi-Fi 6
Dead-Zone Killer



Extra Power
Socket

Highlights

Easily Extend Ultra-Fast, Stable Wi-Fi to Every Room

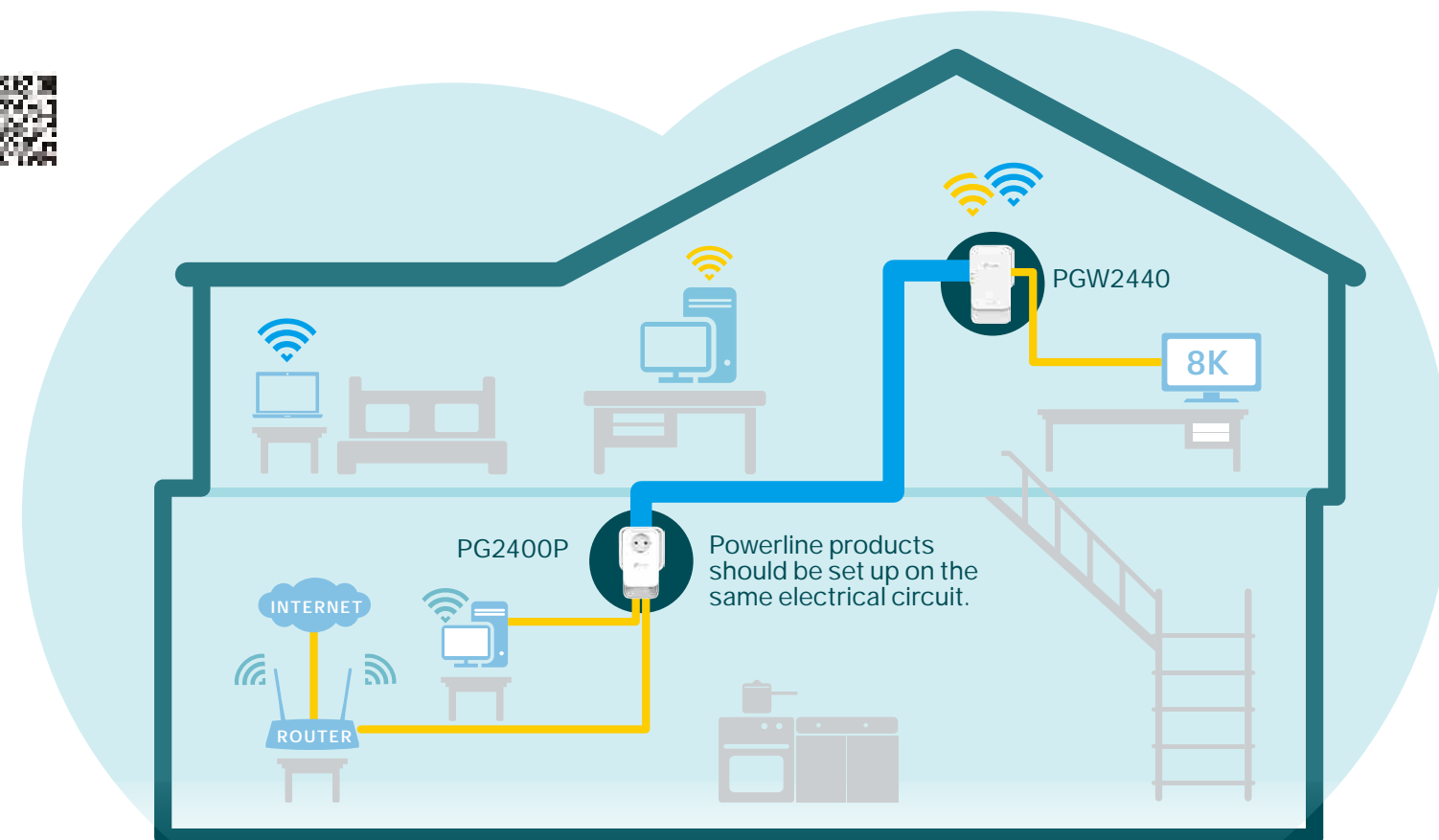
The G.hn 2400 Powerline AX1800 Wi-Fi 6 Kit brings internet to any area with a power outlet using your home's electrical wiring.

- No need for new wires or drilling
- Network passes through walls and floors
- Connects more devices by adding more adapters



Supports Smart Roaming

Form a unified mesh network with PGW2440 and a OneMesh™ router for seamless streaming while moving around your home.

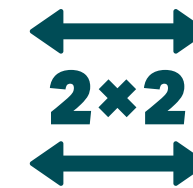


— Electrical Wiring — Ethernet Cable 📶 2.4 GHz 574 Mbps 📶 5 GHz 1201 Mbps



Faster G.hn Network

Under various interference environments, the latest G.hn powerline keeps higher speed data transfer rates than last-gen powerline.



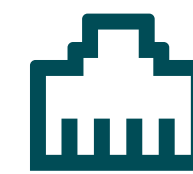
2×2 MIMO Powerline

Establish multiple simultaneous connections to improve data transfer rates, stability, and coverage.



Wi-Fi 6 Dead-Zone Killer

Turbocharge your devices with wireless speeds of up to 1.8 Gbps.



Gigabit Ethernet for Reliable Connections

Provide warp-speed wired connections for 8K HD streaming, lag-free gaming, and more.

Features

Speed

- **Wireless AX Standard** – AX1800 dual band Wi-Fi (1201Mbps on 5GHz & 574Mbps on 2.4GHz) allows streaming, gaming, emailing, browsing and posting on your wireless devices, throughout your home
- **Ultra-fast Powerline Speed** – G.hn standard compliant, high-speed data transfer rate of up to 1428 Mbps, ideal for Ultra HD streaming and online gaming
- **Gigabit Ethernet Ports** – Provides warp-speed wired connection for 4K HD video streaming, lag-free gaming and more
- **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 & Intuitive Web UI** – Allows you to easily manage your network using the tpPLC Utility and web management page
- **Plug, Pair, and Play** – Quickly set up a secured Powerline 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

Energy Saving

- **Power Saving** – For PG2400P, Power Saving Mode helps reducing power consumption by up to 85%
Five minutes after the device connected to the powerline adapter is turned off or inactive, the powerline adapter will automatically switch to Power-Saving Mode.

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 / WPA3 encryptions provide active protection against security threats

Reliability

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

Specifications

Hardware

- Transmission Speeds:
Powerline: Up to 1428 Mbps
Ethernet: 10/100/1000 Mbps
- Standards and Protocols:
G.hn Standard, IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.11b/g/n/ax (2.4GHz), IEEE 802.11a/n/ac/ax (5GHz)
- Interface: PGW2440: 1 Ethernet Port; PG2400P: 2 Ethernet Ports
- Plug Type: EU
- Button: Pair, Wi-Fi
- LED Indicator: Powerline, Ethernet, Wi-Fi (2.4GHz), Wi-Fi (5GHz)
- Dimensions (W x D x H):
PG2400P: 2.68 × 1.65 × 5.43 in (68 × 42 × 138 mm)
PGW2440: 3.15 × 1.38 × 6.18 in (80 × 35 × 157mm)
- IGMP: IGMP v1/v2/v3
- Power Consumption:
PGW2440: Maximum: 15.9W, Typical: 9.2W
PG2400P: Maximum: 6.32W, Standby: 0.98W
- Range: Up to 300 meters/1000 feet over existing electrical wiring
- Compatibility:
Compatible with all routers and G.hn Powerline adapters, are not compatible with HomePlug AV/AV2 Powerline adapters

Wi-Fi Button

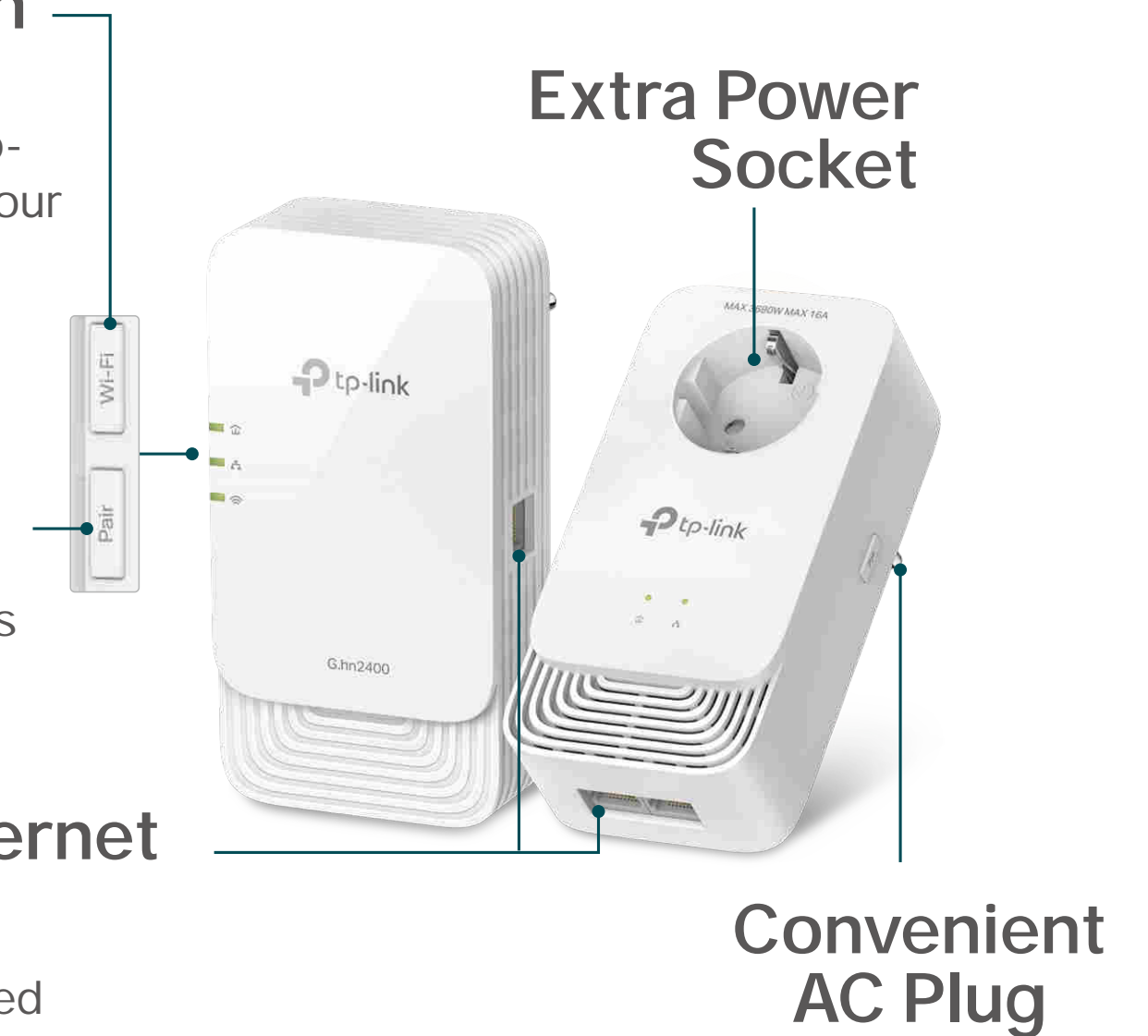
One-touch Wi-Fi configuration automatically copies your router's name and password

Pair Button

Instantly sync and secure all adapters on your network

Gigabit Ethernet Ports

Provide warp-speed wired connections for 8K HD video streaming, lag-free gaming and more



Specifications

Software

- Modulation Technology: OFDM

- Security:

Wireless: WPA-PSK / WPA2-PSK, WPA3 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.

Others

- Package Contents

PGW2440 & PG2400P

Ethernet Cable × 2

Quick Installation Guide

- Certification

CE, RoHS

- System Requirements

Windows 11/10/8.1/8/7/Vista/XP, Mac OS, Linux

- System Requirements for tpPLC Utility

Windows 11/10/8.1/8/7/Vista/XP and Mac OS X (10.7 or later)

- Environment

Operating Temperature: 0°C~40°C (32°F~104°F)

Operating Humidity: 10%~90% non-condensing



For more information, please visit

http://www.tp-link.com/products/details/?model=PGW2440+KIT_V1.html

or scan the QR code on the left.

*Maximum Powerline signal rates are the physical rates derived from G.hn 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 G.hn Standard Powerline adapters. Not compatible with HomePlug AV and AV2 Standard Powerline adapters. Actual compatibility will vary with routers or gateways featuring firmware that is altered, based on open-source programs, or is non-standard or outdated.

*Actual power saving data will vary because of the network conditions and environment factors.

*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of network conditions, client limitations, and environmental factors, including building materials, obstacles, volume and density of traffic, and client location.

*Smart Roaming is designed for devices that support the 802.11k/v standard. Uninterrupted Roaming only works when Powerline Wi-Fi extender and OneMesh™ router wireless coverage overlaps and already forms a OneMesh™ network.

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