TP-LINK®
The Reliable Choice

AV1000

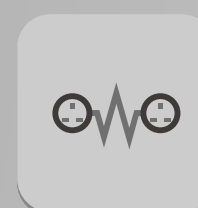## 2-port Gigabit Powerline Starter Kit

TL-PA7020 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

- **Plug and Play** – Plug and play, no configuration required

- **Power-Saving** – Patented Power-Saving Mode automatically reduces power consumption by up to 85%
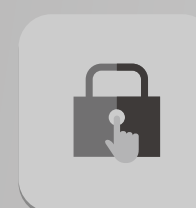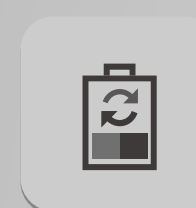
| 1000Mbps | Gigabit LAN Port | 300 Meters | One Button Security | 85% Power Save |

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

Reliability

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

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

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

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

· Plug Type: EU, UK, US

· Button: Pair Button

· LED Indicator: Power, Powerline, Ethernet

· Item Dimensions (W x D x H): 4.85×2.68×1.18 in. (123×68×30 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 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 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-PA7020 * 2

· 2-meter CAT.5e Ethernet Cable * 2

· Quick Installation Guide
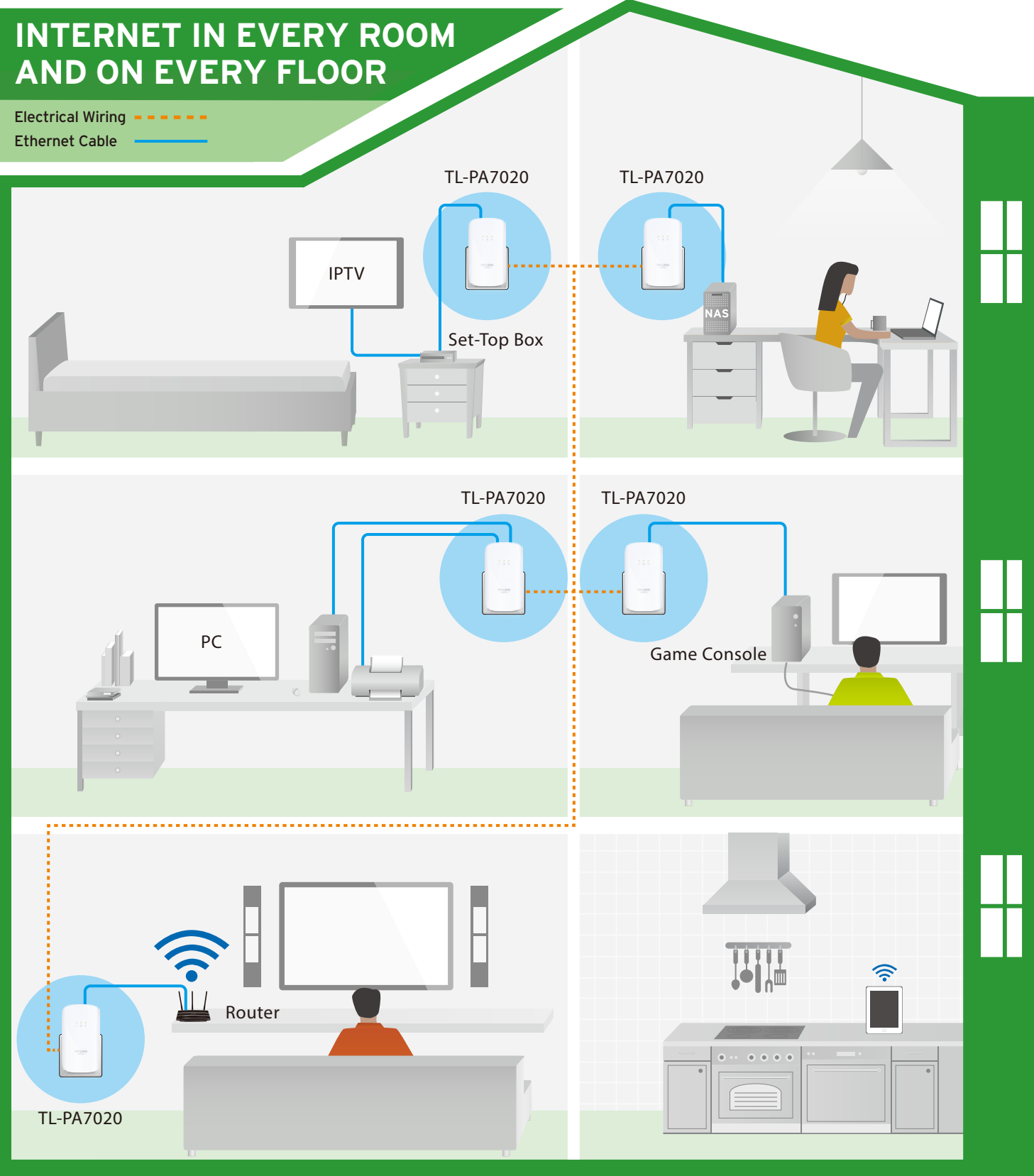
Certification

· CE, RoHS

System Requirements

· Windows 10/8.1/8/7/Vista/XP, Mac OS, Linux[2]

Environment

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

· Storage Temperature: -40℃~70℃ (-40℉ ~158℉)

· Operating Humidity: 10%~90% non-condensing

· Storage Humidity: 5%~90% non-condensing

Diagrams

INTERNET IN EVERY ROOM AND ON EVERY FLOOR

- - - - Electrical Wiring
──── Ethernet Cable

TL-PA7020   TL-PA7020

IPTV

Set-Top Box   NAS

TL-PA7020   TL-PA7020

PC

Game Console

Router

TL-PA7020

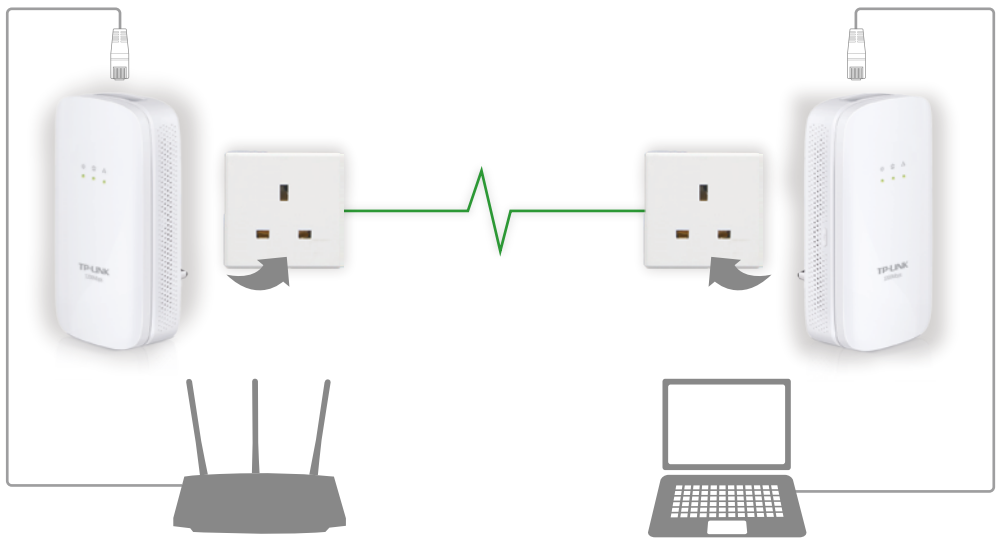Note: The Powerline Adapters need to be connected to the same electrical circuit.

Gigabit Ethernet Ports
(Connect to your router, laptops, game consoles, TVs, and more)

Pair Button
(Set up a secure powerline network within minutes)

Step 1   Step 2

Note: Powerline adapters should be deployed on the same circuit and in sets 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

- AC2600 Wireless Dual Band Gigabit Router
  Archer C2600

- AC1900 Wireless Dual Band Gigabit Router
  Archer C9

Similar Products

- AV1200 Gigabit Powerline Starter Kit
  TL-PA8010 KIT

- AV600 Powerline Wi-Fi Kit
  TL-WPA4226 KIT

For more information, please visit

http://WWW.TP-LINK.COM/uk/products/details/?model=TL-PA7020+KIT

or scan the QR code left

www.tp-link.com