

## Product Highlights

### Easily Extend Your Internet

This convenient starter kit contains everything you need to extend your home network to where your wireless signals cannot reach

### No Cabling to Install, No Complicated Setup

Use your existing home electrical wiring and turn any electrical power socket into an Ethernet network connection

### Super Fast Speeds

High speed data transfer rates of up to 1000 Mbps allows HD movie streaming, high-speed Internet access, online gaming and VoIP calls, all at the same time



## DHP-601AV

# PowerLine AV2 1000 HD Gigabit Starter Kit

## Features

### Convenient Home Networking Solution

- Connect network devices by simply plugging in a pair of adapters into your home's electrical sockets
- Share your Internet connection or share files between computers
- Subtle design discreetly blends into you home

### Connectivity

- PowerLine data transfer rates of up to 1000 Mbps<sup>2</sup>
- Gigabit Ethernet port
- PowerLine interface compatible with IEEE 1901 and HomePlug AV2 standards

### Security Features

- Simple Connect button for secure, hassle-free network setup
- 128-bit AES data encryption with key management for secure communications over electrical wiring

### Simple Setup

- Plug in to any existing power socket to create an instant network
- Connect more rooms by simply plugging in additional adapters

The DHP-601AV PowerLine AV2 1000 HD Gigabit Starter Kit uses your home's existing electrical wiring to create a network or extend your existing network<sup>1</sup>. Share the Internet connection in your hallway with a game console or smart TV in your lounge, or connect a computer the basement where there is no Wi-Fi reception, all without the need to install additional network cabling. Simply connect 1 of the 2 included adapters to your router and an available power socket, and the other to another power socket where you need the Internet connection.

## Data Transmission Over Electrical Wiring

The D-Link DHP-601AV PowerLine AV2 1000 HD Gigabit Starter Kit turns every power socket into a possible network connection to access digital media devices, game consoles, network printers, computers and network storage devices throughout your home. Compliance with the HomePlug AV2 standard and backward compatibility with the HomePlug AV standard ensure that the DHP-601AV can be used with older PowerLine devices.

## Ideal For Bandwidth-Intensive Applications

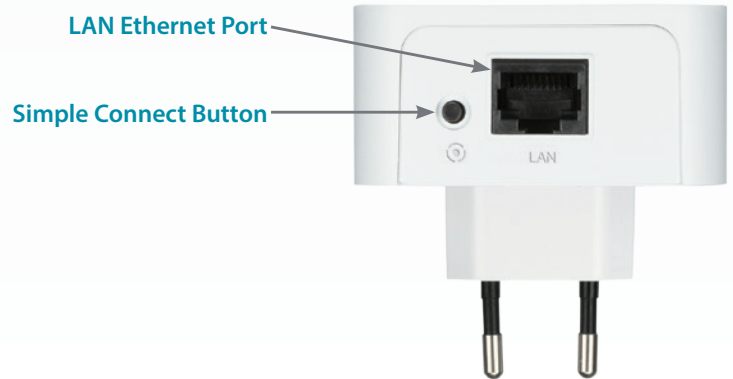
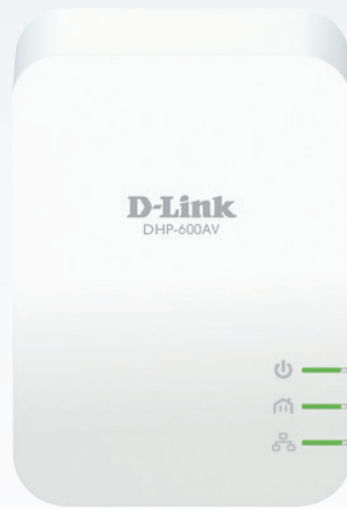
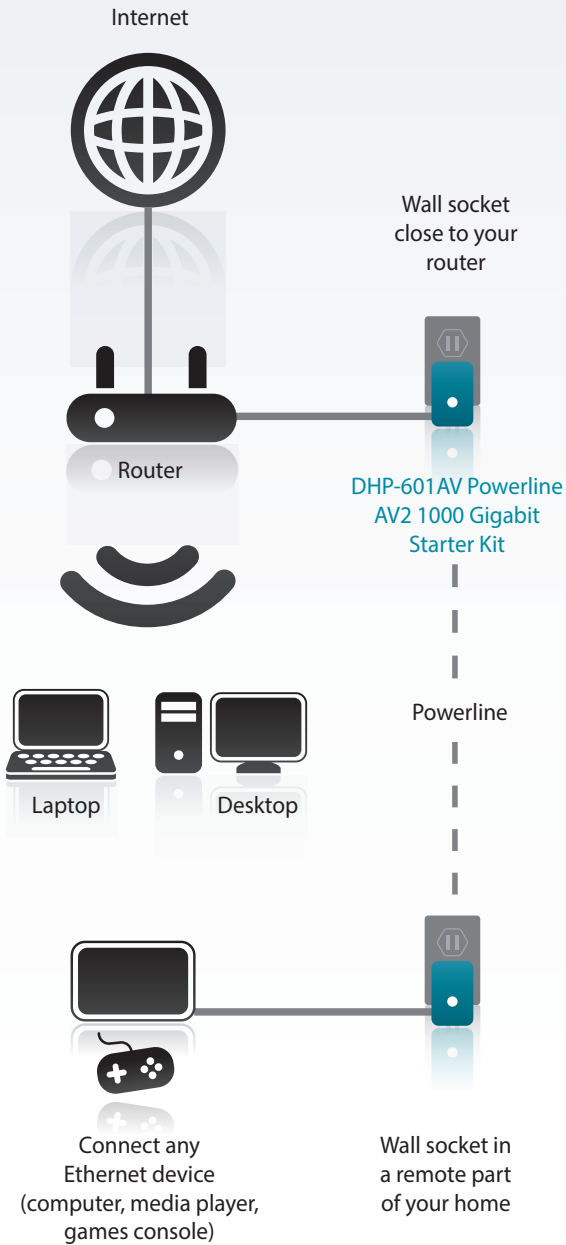
The DHP-601AV is capable of delivering data transfer rates of up to 1000 Mbps<sup>2</sup>. This rapid transmission speed makes it ideal for bandwidth-intensive applications, guaranteeing smooth HD video streaming, VoIP calls, and lag-free online gaming. In addition, it prioritises Internet traffic to help ensure that the movie or music you're streaming don't skip or stutter while web surfing and downloading files at the same time. Now you can experience high-quality multimedia streaming throughout your home, all through your existing electrical wiring.

## Convenient Setup And Secure Operation

The DHP-601AV plugs directly into a power socket, and does not require any additional cables. Extend your home network by connecting multiple devices in the furthest corners of your home, or attach a switch or wireless access point to the adapter for additional connectivity. For convenient setup, an encryption key can be quickly configured with the push of a button; 128-bit AES data encryption protects your network from unauthorised wire tapping. With hassle-free plug and play installation, the DHP-601AV is an ideal solution to create a wall-to-wall home network.

## Saves Power Automatically

The DHP-601AV incorporates a power saving mode that automatically places the adapter in sleep mode if no data transmission or reception occurs over a certain period of time, reducing power usage by more than 85%. This helps you save energy automatically without sacrificing performance.



# DHP-601AV PowerLine AV2 1000 HD Gigabit Starter Kit

Technical Specifications		
General		
PowerLine Interface	• Power plug (country-dependent)	
Ethernet Interface	• RJ-45 Gigabit Ethernet LAN port	
Functionality		
Standards	• IEEE 802.3 • IEEE 802.3u	• IEEE 1901 • HomePlug AV2
Security	• 128-bit AES data encryption	
LEDs	• Power • Ethernet	• PowerLine
Powerline Modulation Scheme	• OFDM Symbol Modulation	
Powerline Frequency Band	• 2 MHz to 86 MHz	
Data Rate	• Ethernet: 10/100/1000 Mbps (auto negotiation)	• PowerLine: Up to 1000 Mbps (PHY rate)
Physical		
Dimensions	• 87.47 x 62.2 x 30 mm (3.44 x 2.44 x 1.18 inches)	
Weight	• 90 grams (0.20 lbs)	
Power	• Input: 100 to 240 V AC, 50/60 Hz	
Power Consumption	• 3.7 W maximum	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• CE • FCC	• UL • CE/LVD

<sup>1</sup> Power sockets and electrical wiring must all be part of the same electrical system. Certain electrical conditions in your home, such as wiring condition and configuration, may affect the performance of this product. A minimum of two D-Link PowerLine AV series products are required to create a network. Additional D-Link PowerLine AV series products are required to add new devices to the network. Connecting this product to a power strip with a surge protector may adversely affect the performance of this product. For best results, plug the adapter directly into a wall socket.

<sup>2</sup> Maximum throughput is based on theoretical transmission PHY rate. Actual data throughput will vary. Network conditions and environmental factors, including volume of traffic and network overhead, may lower actual data throughput rate. Interference from devices that emit electrical noise, such as vacuum cleaners and hair dryers, may adversely affect the performance of this product. This product may interfere with devices such as lighting systems that have a dimmer switch or a touch-sensitive on/off feature, short wave radios, or other PowerLine devices that do not follow the HomePlug AV standard.



For more information: [www.dlink.com](http://www.dlink.com)

**D-Link European Headquarters.** D-Link (Europe) Ltd., D-Link House, Abbey Road, Park Royal, London, NW10 7BX. Specifications are subject to change without notice. D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2014 D-Link Corporation. All rights reserved. E&OE.

Updated January 2015

**D-Link**<sup>®</sup>  
Home is where the **SMART** is