

## Product Highlights

### No Cabling to Install, No Complicated Setup

Use your existing in-home electrical wiring and turn any electrical power outlet into an Ethernet network connection

### Just Plug & Play

Plug it in, and press the Simple Connect Button to instantly transform your household power grid into a fully functional network

### Advanced Multimedia Streaming

High speed data transfer rates up to 600 Mbps for streaming media, high-speed Internet, on-line gaming, VoIP calls, and DVD-quality video



## DHP-600AV

# PowerLine AV2 600 Gigabit Adapter

## Features

### Convenient Home Networking Solution

- Connect two rooms by simply plugging in a pair of adapters
- Share your Internet connection or share files between computers
- Subtle design discreetly blends into you home

### Connectivity

- PowerLine data transfer rates of up to 600 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 outlet to create an instant network
- Connect more rooms by simply plugging in additional adapters

The DHP-600AV PowerLine AV2 600 Gigabit Adapter 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 study with a game console in your lounge, or connect two PCs in different rooms, all without the need to install additional network cabling.

## Data Transmission Over Electrical Wiring

The D-Link DHP-600AV PowerLine AV2 600 Gigabit Adapter turns every power outlet into a possible network connection to access digital media devices, game consoles, print servers, 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-600AV can be used with older PowerLine devices.

## Ideal For Bandwidth-Intensive Applications

The DHP-600AV is capable of delivering data transfer rates of up to 600 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 prioritizes Internet traffic to help ensure that your streaming movies and music 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

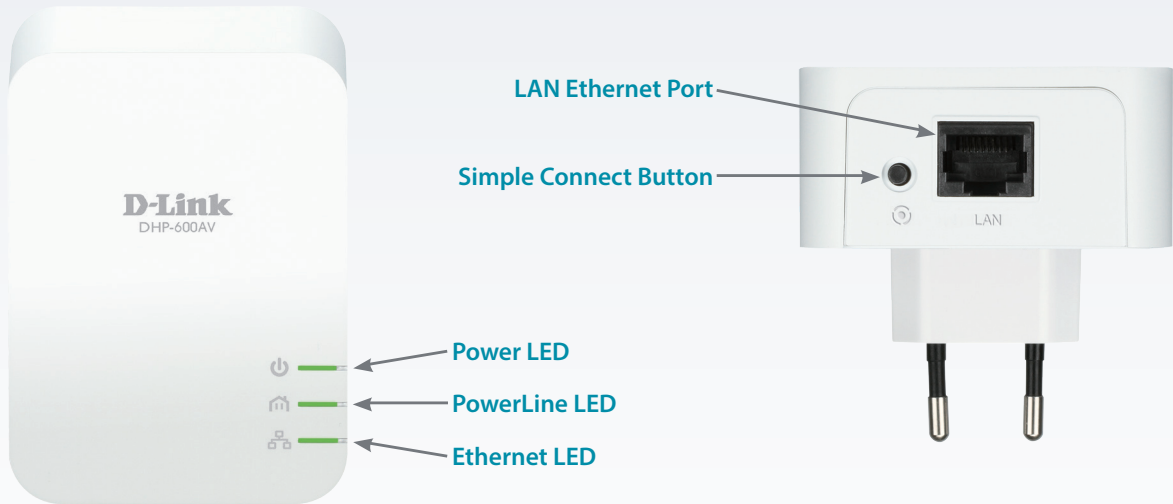
The DHP-600AV plugs directly into a power outlet, and does not require any additional cables. Extend your home network by connecting multiple devices in the farthest corners of your home, or attach a switch or wireless access point to the adapter for additional connectivity. For convenient setup, an encryption key can be quickly configured with the push of a button; 128-bit AES data encryption protects your network from unauthorized wire tapping. With hassle-free plug and play installation, the DHP-600AV is an ideal solution to create a wall-to-wall home network.

### Saves Power Automatically

The DHP-600AV 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 Starter Kit

The DHP-600AV is also available in a starter kit that provides a complete PowerLine solution. The DHP-600AV PowerLine AV2 600 Gigabit Starter Kit includes two DHP-600AV adapters, allowing you to create and start using a PowerLine network in your home right away.



### 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 70 MHz	
Data Rate	• Ethernet: 10/100/1000 Mbps (auto negotiation)	• PowerLine: Up to 600 Mbps (PHY rate)

# DHP-600AV PowerLine AV2 600 Gigabit Adapter

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
Order Information	
Part Number	Description
DHP-600AV	PowerLine AV2 600 Gigabit Adapter
DHP-601AV	PowerLine AV2 600 Gigabit Starter Kit (includes two DHP-600AV PowerLine AV2 600 Gigabit Adapters)

<sup>1</sup> Power outlets 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. Additional D-Link PowerLine AV series products are required to add new devices to the network. A minimum of two D-Link PowerLine AV series products are required to create a 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 outlet.

<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.

Updated 2013/05/22