D-Link
Building Networks for People

Product Highlights

Reach Every Room in Your House

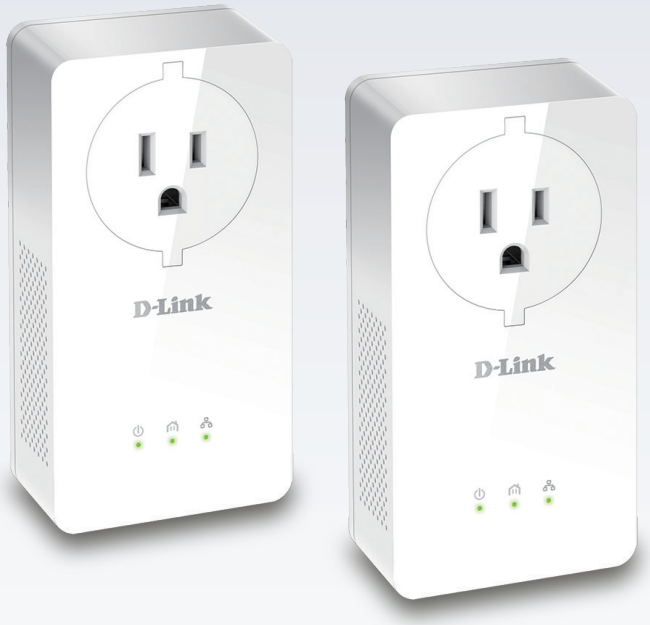
Use your existing electrical wiring and turn any electrical power outlet into an Ethernet network connection

Just Plug and Play

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

Fast Multimedia Streaming

High-speed data transfer rates up to 2000 Mbps for streaming media, high-speed Internet, online gaming, VoIP calls, and HD-quality video



DHP-P701AV

PowerLine AV2 2000 Gigabit Passthrough Starter Kit

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

High-performance Connectivity

- Powerline data transfer rates of up to 2000 Mbps[2]
- Gigabit Ethernet Port for Gigabit network speeds
- Powerline interface compatible with IEEE 1901 and HomePlug AV2.1 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 into any existing power outlet to create an instant network
- Connect more rooms by simply plugging in additional adapters

The DHP-P701AV PowerLine AV2 2000 Gigabit Passthrough Starter Kit uses your home's existing electrical wiring to create a network or extend your existing network.[1] It features two DHP-P700AV PowerLine AV2 2000 Gigabit Passthrough Adapters so you have everything you need to create a high-speed Powerline network. 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.

Complete Powerline Solution

The DHP-P701AV PowerLine AV2 2000 Gigabit Passthrough Starter Kit features the HomePlug AV2 compliant network standard, that uses your existing home electrical wiring to create or extend your home network. An important feature on the DHP-P700AV is the passthrough socket with noise filter that lets you plug an electrical device into the DHP-P700AV, so you don't lose the convenience of a power outlet while using this Powerline device. To set up a Gigabit Powerline network, simply plug a DHP-P700AV into one power outlet and the other into another power outlet in any location in your home.

Enhanced Performance

Each DHP-P700AV is capable of delivering wired data transfer rates of up to 2000 Mbps.[2] This fast transmission speed makes it ideal for bandwidth-intensive applications, providing smooth HD video streaming, VoIP calls, and lag-free online gaming. Support for the latest Homeplug AV2.1 technology improves coverage, reduces electrical interference, and increases performance when using multiple adapters. In addition, Quality of Service (QoS) prioritizes Internet traffic to help ensure that your streaming movies and music don't skip or stutter while you are browsing the Web and downloading files at the same time. Multiple-Input Multiple-Output (MIMO) technology increases bandwidth by transmitting and receiving data on multiple channels simultaneously so you can enjoy smooth data transfers.

DHP-P701AV
PowerLine AV2 2000 Gigabit Passthrough Starter Kit

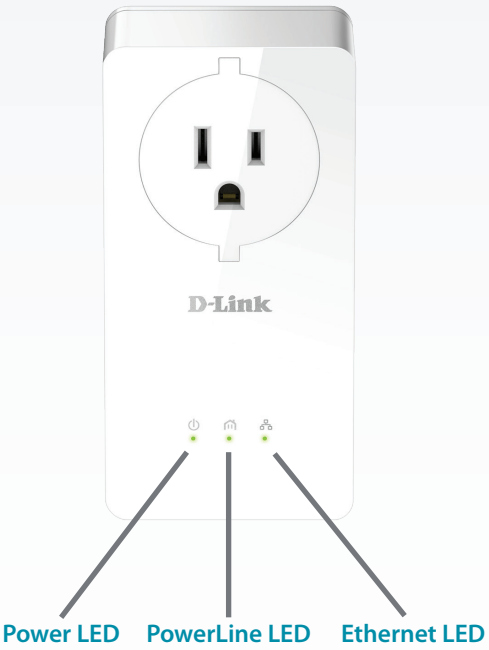
Convenient Setup and Secure Operation

The DHP-P700AV plugs directly into a power outlet, and does not require any additional cables. Extend your home network by pressing a button to connect both Powerline devices at far corners of your home, and attach a switch or wireless access point to the adapter for additional connectivity. 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 Plug and Play installation, the DHP-P700AV is an ideal solution for creating a home network.

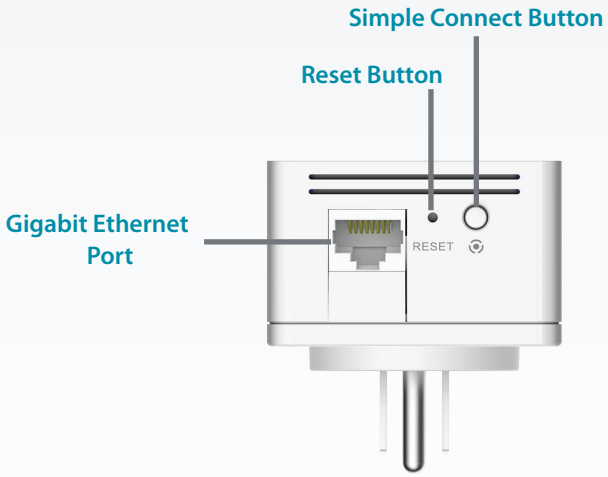
Saves Power Automatically

The DHP-P700AV PowerLine AV2 2000 Gigabit Passthrough Adapter incorporates power saving modes that automatically switches the adapter to sleep mode if no data transmission or reception occurs over a certain period of time. By reducing power usage when it isn't being used, you can save up to 85% in energy costs without sacrificing performance.

Front View



Bottom View



Technical Specifications

General		
Powerline Interface	• Power plug (country-dependent)	
Ethernet Interface	• RJ-45 Gigabit Ethernet LAN port	
Functionality		
Standards	• IEEE 802.3 • IEEE 802.3x • IEEE 1901	• Supports auto-negotiation • Supports auto MDI/MDIX • HomePlug AV / AV2.1
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 2000 Mbps (PHY rate)

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PowerLine AV2 2000 Gigabit Passthrough Starter Kit

Physical		
Dimensions	• 119.0 x 60.0 x 37.7 mm (4.68 x 2.36 x 1.48 inches)	
Weight	• 210 grams (0.46 lbs)	
Passthrough Power Socket	• EU Type: 250 V/16 A Maximum • UK Type: 250 V/13 A Maximum • FR Type: 250 V/16 A Maximum	• US Type: 125 V/15 A Maximum • AU Type: 250 V/10 A Maximum
AC Input	• EU Type: 100-250 V AC, 50/60 Hz, 16 A • UK Type: 100-250 V AC, 50/60 Hz, 13 A • FR Type: 100-250 V AC, 50/60 Hz, 16 A	• US Type: 100-125 V AC, 50/60 Hz, 15 A • AU Type: 100-250 V AC, 50/60 Hz, 10 A
Power Consumption	• Maximum: 4.36 W • Network Standby: 3.75 W	• Power Saving: 0.22 W
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-P701AV	PowerLine AV2 2000 Gigabit Passthrough Starter Kit (includes two DHP-P700AV PowerLine AV2 2000 Gigabit Passthrough Adapters)
DHP-P700AV	PowerLine AV2 2000 Gigabit Passthrough Adapters

[1] 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.

[2] 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 2016/11/10

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