D-Link
Building Networks for People

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 of up to 1900 Mbps for streaming media, high-speed Internet, online gaming, VoIP calls, and HD video



DHP-700AV

PowerLine AV2 2000 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 1900 Mbps[2]
- Gigabit Ethernet Port
- PowerLine interface compatible with IEEE 1901 and HomePlug AV2 standards
- MIMO capability for increased throughput

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-700AV PowerLine AV2 2000 Gigabit Adapter uses your home's existing electrical wiring to create a network or extend your existing network.[1] 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-700AV PowerLine AV2 2000 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-700AV can be used with older PowerLine devices.

Ideal For Bandwidth-Intensive Applications

The DHP-700AV is capable of delivering data transfer rates of up to 1900 Mbps.[2] This rapid transmission speed makes it ideal for bandwidth-intensive applications, guaranteeing smooth HD video streaming, VoIP calls, and 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-700AV 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-700AV is an ideal solution to create a wall-to-wall home network.

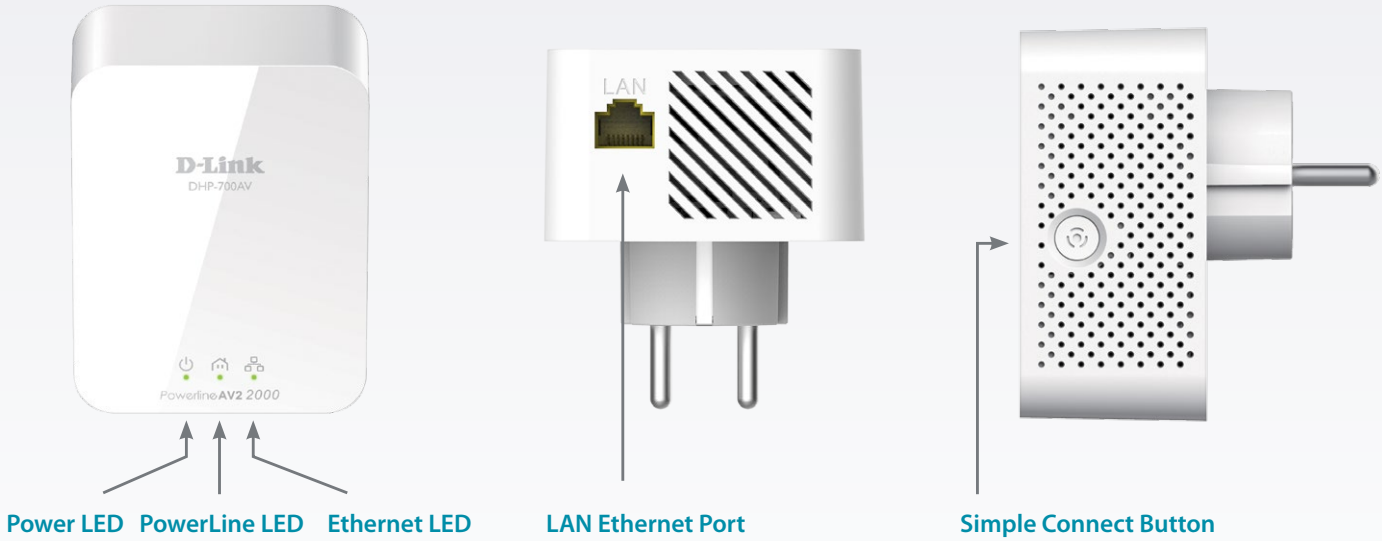
DHP-700AV PowerLine AV2 2000 Gigabit Adapter

Saves Power Automatically

The DHP-700AV 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-701AV Starter Kit

The DHP-701AV is also available in a starter kit that provides a complete PowerLine solution. The DHP-701AV PowerLine AV2 2000 Gigabit Starter Kit includes two DHP-700AV adapters, allowing you to get your home PowerLine network up and running 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
Functions Support	• Power saving mode • Simple connect button	• QoS
Powerline Modulation Scheme	• OFDM Symbol Modulation	
Powerline Frequency Band	• 2 MHz to 86 MHz	

DHP-700AV PowerLine AV2 2000 Gigabit Adapter

Data Rate	• Ethernet: 10/100/1000 Mbps (auto negotiation)	• PowerLine: Up to 1900 Mbps (PHY rate)
Physical		
Dimensions	• 82 x 65 x 40 mm (3.22 x 2.55 x 1.57 inches)	
Weight	• 150 g	
Power	• Input: 100 to 240 V AC, 50/60 Hz	
Power Consumption	• 5.2 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	• CE/LVD • UL
Order Information		
Part Number	*Description*	
DHP-700AV	PowerLine AV2 2000 Gigabit Adapter	
DHP-701AV	PowerLine AV2 2000 Gigabit Starter Kit (includes two DHP-700AV PowerLine AV2 2000 Gigabit 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.

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