D-Link®
Building Networks for People

Product Highlights

Fast Data Transfer Over Electrical Wiring

PowerLine AV 500 allows for high speed connections through your home electrical wiring, giving you the speed you need for bandwidth-intensive applications

Setup Is A Snap

Simply plug directly into a free power outlet and it is ready to be used; no extra cables or installation needed

Compact Size

Small size allows adapter to be less obstructive and able to be conveniently used in many locations in your home or office

DHP-308AV
PowerLine AV 500 Mini Adapter

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 your home or office environment

Connectivity
- 10/100 Fast Ethernet Port with RJ-45 Connector
- Power plug (country-dependent) for Powerline integration
- PowerLine interface compatible with IEEE 1901 and HomePlug AV 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
- Secure encryption with the push of a button
- Connect more rooms by simply plugging in additional adapters

The DHP-308AV PowerLine AV 500 Mini Adapter is compliant with the HomePlug AV standard and uses your home's existing electrical wiring to create a network or extend your existing network[1]. It turns any power outlet into a network connection to access digital media devices, game consoles, print servers, computers, and network storage devices throughout your home. Share the Internet connection in your study with a game console in your lounge room, or connect two PCs in different rooms, all without the need for additional network cabling.

Convenient Setup and Secure Operation

The PowerLine AV 500 Mini Adapter plugs directly into a power outlet, and does not require any additional cables, which means that any power outlet in your home can be turned into a network connection instantly. Extend your home network by connecting multiple devices in the farthest corners of your home. Share the Internet connection from your study with the media center in your living room, or connect computers in different rooms to share files, all without installing new cabling. For convenient setup, an encryption key can be quickly configured with the push of a button. The adapter implements 128-bit AES data encryption to protect the network from unauthorized wire-tapping and keeping your network activity safe from intruders.
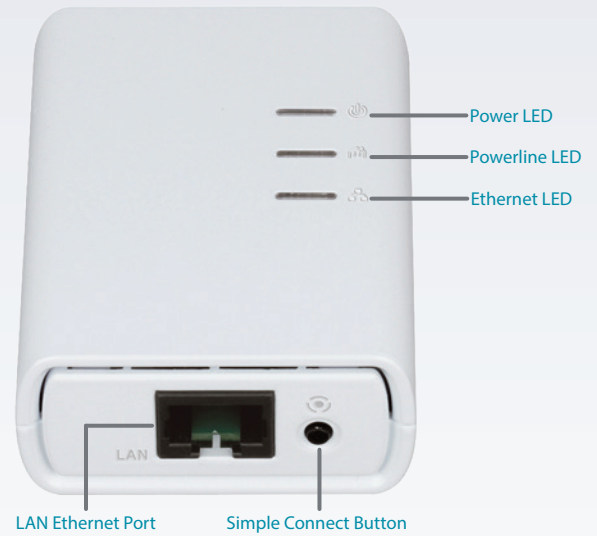
PowerLine AV 500 for Bandwidth-Intensive Applications

The DHP-308AV features PowerLine AV 500, enabling it to deliver data at speeds higher than regular PowerLine AV products[2]. This rapid transmission speed makes it ideal for bandwidth-intensive applications, which guarantees smooth HD video streaming, VoIP calls, and lag-free online gaming experiences. Create a network capable of Internet surfing, media streaming, and file sharing, all using your home's existing electrical wiring.

Quality of Service (QoS)

A QoS engine will analyze and separate the traffic of the DHP-308AV into multiple data streams. This allows for smooth streaming of Internet Protocol Television (IPTV), HD video, and lag-free online gaming because the most demanding data streams are automatically given priority.

DHP-309AV PowerLine AV 500 Mini Starter Kit

The DHP-308AV is also available in a starter kit that provides a complete PowerLine solution. The DHP-309AV PowerLine AV 500 Mini Starter Kit features two DHP-308AV adapters, give you everything you need to create and start using a PowerLine network in your home right away.

Power LED

Powerline LED

Ethernet LED

LAN Ethernet Port

Simple Connect Button

Technical Specifications

General

Powerline Interface	• Power plug (country-dependent)	
Ethernet Interface	• Fast Ethernet Port	• RJ-45 Connector

Functionality

Standards	• IEEE 802.3 • IEEE 802.3u	• HomePlug AV • IEEE 1901
Security	• 128-bit AES Data Encryption	
LEDs	• Power • Ethernet	• Powerline
Powerline Modulation Scheme	• OFDM Symbol Modulation	
Powerline Frequency Band	• 2 to 28 MHz	
Data Rate	• 10/100 Mbps (autonegotiation)	
Maximum Nodes	• 6 (recommended)[3]	

Physical

Dimensions	• 70 x 52 x 26 mm (2.76 x 2.05 x 1.02 inches)	
Power	• Input: 100 to 240 V AC, 50/60 Hz	
Power Saving	• Power-saving mode supported	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	
Humidity	• Operating: 10% to 90% non-condensing	
Certifications	• CE LVD • FCC	• UL • CE EMC Class B

Order Information

Part Number	Description
DHP-308AV	PowerLine AV 500 Mini Adapter
DHP-309AV	Powerline AV 500 Mini Starter Kit (includes two DHP-308AV PowerLine AV 500 Mini 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] PowerLine AV 500 products feature a more efficient processor than current 200 Mbps PowerLine AV products to provide better performance and coverage. 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.

[3] The maximum number of nodes will vary depending on your network environment.

Updated 04/26/13

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