



## POWERLINE AV 500 PASSTHROUGH ADAPTER

### QUALITY OF SERVICE

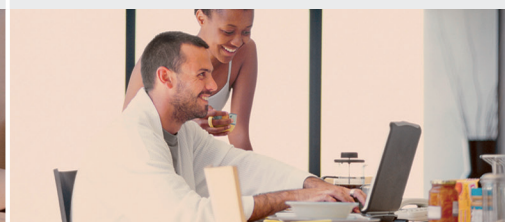
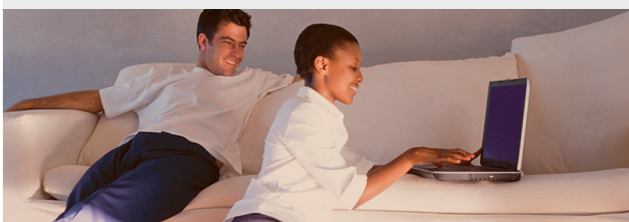
Prioritized traffic for smooth streaming multimedia, online games, and VoIP calls

### RAPID SPEEDS OVER ELECTRICAL WIRING

Speeds of up to 500 Mbps over home electrical wiring, suitable for high bandwidth Internet applications

### SECURITY MADE EASY

Data encryption is quickly configured with the push of a button to keep intruders out



### SECURE DATA TRANSMISSION OVER ELECTRICAL WIRING

The D-Link DHP-P500AV Powerline AV 500 Passthrough Adapter uses your home's existing electrical wiring to create a network or extend your existing network.<sup>1</sup> It turns every power outlet into a potential network connection to access digital media devices, game consoles, print servers, computers, and network storage devices throughout your home. The adapter implements 128-bit AES data encryption to protect the network from unauthorized wire tapping. Security is convenient to set up as an encryption key can be quickly configured with the push of a button. Compliance with the IEEE 1901 standard and backward compatibility with HomePlug AV ensure that the DHP-P500AV can be used with older Powerline devices.

### IDEAL FOR BANDWIDTH-INTENSIVE APPLICATIONS

The DHP-P500AV is capable of delivering data transfer rates of up to 500 Mbps.<sup>2</sup> This rapid transmission speed makes it ideal for bandwidth-intensive applications, guaranteeing smooth streaming of multiple HD videos, VoIP calls, and lag-free online gaming experiences. In addition, it prioritizes Internet traffic, ensuring that multimedia applications do not experience performance glitches while web surfing and downloading files. Now you can experience high-quality multimedia streaming throughout your home, all through your existing electrical wiring.

### EXTRA PASSTHROUGH POWER SOCKET

The DHP-P500AV also features an extra passthrough power socket to ensure that your electrical outlet remains available for use by an electrical device while the Powerline adapter is plugged into a socket.

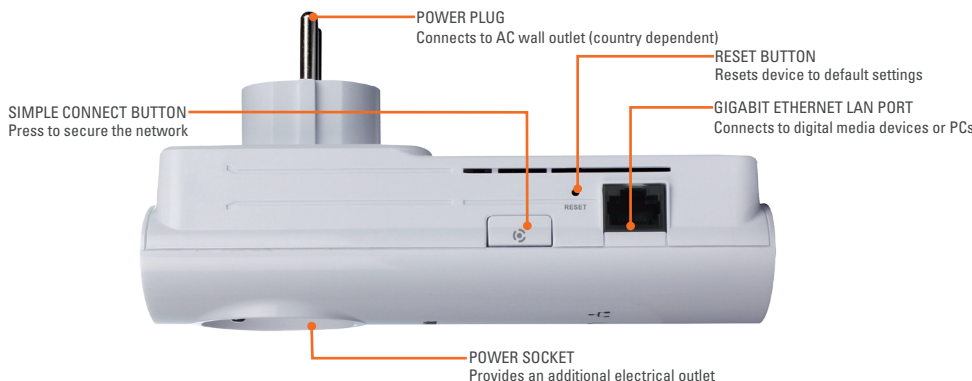
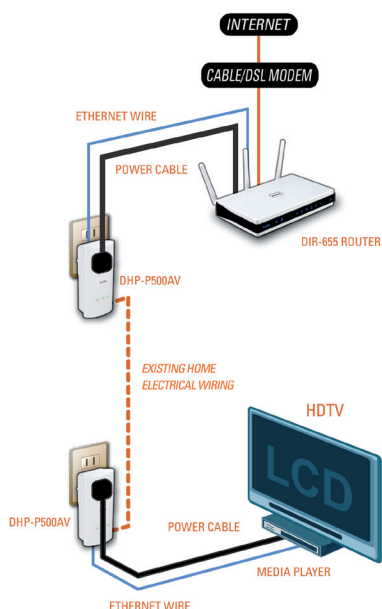
### POWER SAVING FEATURE

The DHP-P500AV 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 50%, allowing you to save power automatically without sacrificing performance.

### WHAT THIS PRODUCT DOES

With network data transfer rates of up to 500 Mbps, the DHP-P500AV Powerline AV 500 Passthrough Adapter allows you to connect computers, High-Definition TVs, networking devices, and gaming consoles using the cables already installed in every home - your electrical wiring. Share Internet connections and experience smooth file transfers, streaming of HD multimedia, online gaming and more. The DHP-P500AV features easy plug-and-play installation and can be connected to any Ethernet-enabled device.

### YOUR NETWORK SETUP



### TECHNICAL SPECIFICATIONS

#### STANDARDS

- IEEE 802.3
- IEEE 802.3u
- IEEE 1901
- HomePlug AV

#### POWERLINE INTERFACE

- Power plug (country-dependent)

#### ETHERNET INTERFACE

- Gigabit Ethernet LAN port
- RJ-45 connector

#### POWERLINE MODULATION SCHEME

- OFDM Symbol Modulation

#### POWERLINE FREQUENCY BAND

- 2 MHz to 70 MHz

#### DATA RATE

- Powerline: Up to 500 Mbps (PHY rate)
- Ethernet: 10/100/1000 Mbps (autonegotiation)

#### QoS

- Integrated QoS prioritizes media and data

#### SECURITY

- 128-bit AES data encryption

#### MINIMUM SYSTEM REQUIREMENTS (FOR PC UTILITY SOFTWARE)

- PC with 200 MHz processor
- 64 MB memory
- Windows 7, Vista, XP SP2
- Ethernet interface

#### LEDS

- Power
- Powerline
- LAN

#### POWER SOCKET

- Type F
- Maximum load: 16 A

#### POWER INPUT

- 100 to 240 V AC, 50/60 Hz

#### POWER CONSUMPTION

- Maximum 5 W

#### POWER SAVING

- Power saving mode supported

#### DIMENSIONS

- 156 x 69 x 42.5 mm (6.14 x 2.71 x 1.67 inches)

#### WEIGHT

- 241.8 g (0.53 lbs)

#### OPERATING TEMPERATURE

- 0 to 40 °C (30 to 104 °F)

#### OPERATING HUMIDITY

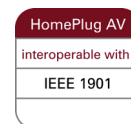
- 10% to 90% non-condensing

#### CERTIFICATIONS

- CE EMC Class B
- CE LVD

<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. A minimum of two D-Link Powerline AV 500 Passthrough Adapters 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 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 and IEEE 1901 standards.



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