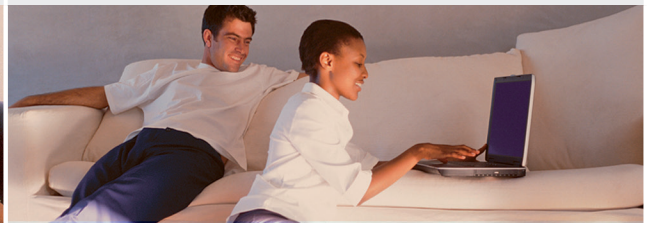
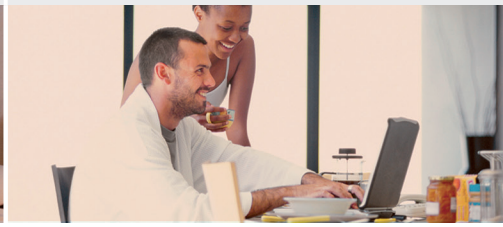
POWERLINE AV 500 PASSTHROUGH STARTER KIT

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





DATA TRANSMISSION OVER ELECTRICAL WIRING
The D-Link DHP-P501AV Powerline AV 500 Passthrough Adapter Starter Kit uses your home's existing electrical wiring to create a network or extend your existing network.[1] Its two adapters allow you to create a Powerline network immediately, turning your electrical outlets into network connections to access digital media devices, game consoles, print servers, computers, and network storage devices throughout your home. 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. Compliance with the IEEE 1901 standard and backward compatibility with HomePlug AV ensure that the DHP-P501AV can be used with older Powerline devices.

IDEAL FOR BANDWIDTH-INTENSIVE APPLICATIONS
The DHP-P501AV is capable of delivering data transfer rates of up to 500 Mbps.[2] This rapid transmission speed makes it ideal for bandwidth-intensive applications, guaranteeing smooth HD video streaming, 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.

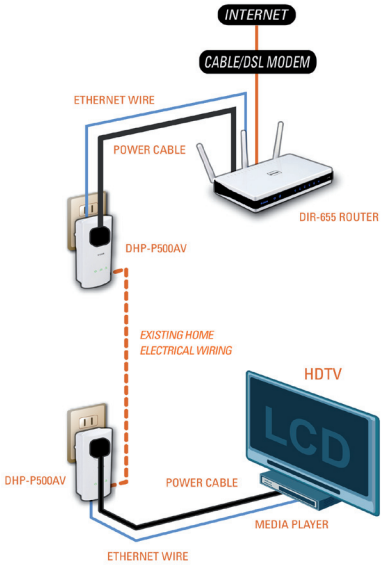
EXTRA PASSTHROUGH POWER SOCKET
The DHP-P501AV also features an extra passthrough power socket to ensure that your electrical outlet remains available for use by an electrical device while the Powerline adapter is plugged into a socket.

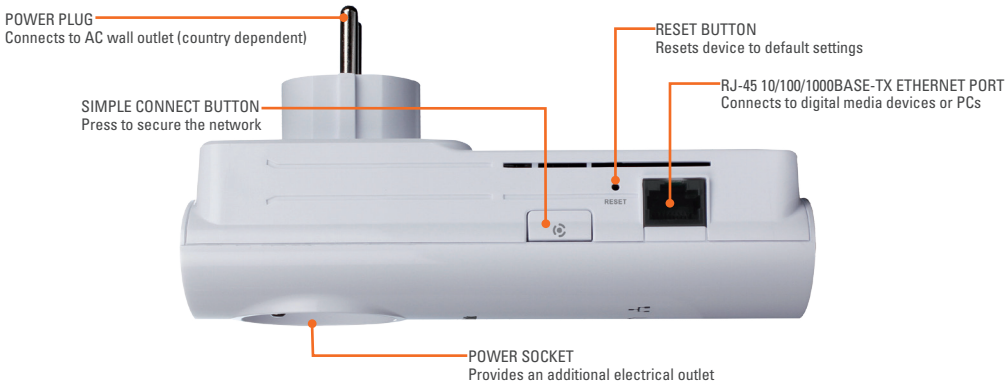
POWER SAVING FEATURE
The DHP-P501AV incorporates a power saving mode that automatically places the adapter in sleep mode if no data transmission or reception occurs over a certain period of time, reducing power usage by more than 50%, allowing you to save power automatically without sacrificing performance.

WHAT THIS PRODUCT DOES

With network data transfer rates of up to 500 Mbps, the DHP-P501AV Powerline AV 500 Passthrough Adapter Starter Kit allows you to connect computers, high-definition TVs, networking devices, and gaming consoles using the cables already installed in every home - your electrical wiring. The starter kit comes with 2 adapters, letting you create a Powerline network right away to share Internet connections and experience smooth file transfers, streaming HD multimedia, online gaming and more. The DHP-P501AV features easy plug-and-play installation and can be connected to any Ethernet-enabled device. Support for Quality of Service (QoS) ensures that high-performance applications which require real-time communication, such as VoIP phone calls and multiplayer online games, will not be hampered even while streaming Internet TV and music.

YOUR NETWORK SETUP





TECHNICAL SPECIFICATIONS

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

POWERLINE INTERFACE
- Power plug (country-dependent)

ETHERNET INTERFACE
- 10/100/1000BASE-TX Ethernet port with auto MDI/ MDIX
- 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, or 2000 SP4
- Ethernet interface

LEDS
- Power
- Powerline
- Ethernet

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

[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. 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.
[2] 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.

HOMEPLUG CERTIFIED

HomePlug AV
interoperable with:
IEEE 1901

dlinkgreen

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