



## POWERLINE AV 500 4-PORT GIGABIT SWITCH

### GIGABIT NETWORKING

Four Gigabit ports give you the bandwidth you need for HD media steaming and fast file transfers

### RAPID TRANSFERS OVER POWERLINE

Experience transfer speeds of up to 500 Mbps over your existing electrical wiring

### SIMPLE, YET SECURE

Just press a button to create a secure connection to another Powerline device and prevent unauthorized access



### DATA TRANSMISSION OVER ELECTRICAL WIRING

The D-Link DHP-540 Powerline AV 500 4-Port Gigabit Switch 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 possible network connection to access digital media devices, game consoles, print servers, computers, and network storage devices throughout your home. Compliance with the IEEE 1901 standard and backward compatibility with the Homeplug AV ensure that the DHP-540 can be used with older Powerline devices.

### IDEAL FOR BANDWIDTH-INTENSIVE APPLICATIONS

The DHP-540 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 HD video streaming, VoIP calls, and lag-free online gaming experiences. In addition, it prioritizes Internet traffic, ensuring that multimedia traffic has priority over web surfing and file downloads. Now you can experience high-quality multimedia streaming throughout your home, all through your existing electrical wiring.

### CONVENIENT SETUP AND SECURE OPERATION

The DHP-540 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. The adapter implements 128-bit AES data encryption to protect the network from unauthorized wire tapping. With hassle-free plug and play installation, the DHP-540 is the ideal solution for creating a wall-to-wall home network.

### POWER SAVING FEATURE

The DHP-540 incorporates a power saving mode that detects if there has been no data transmission or reception over a certain period of time or if no device is connected to a port, and will automatically place that port into sleep mode, saving more than 50% of the power normally needed.

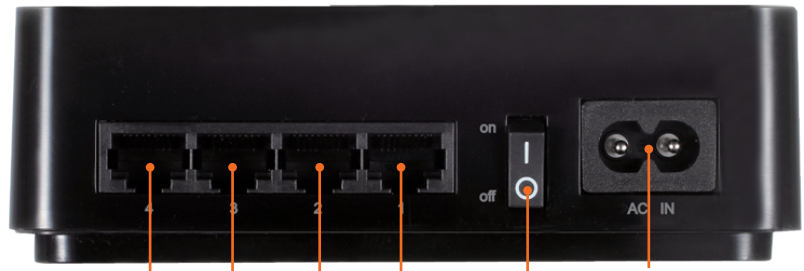
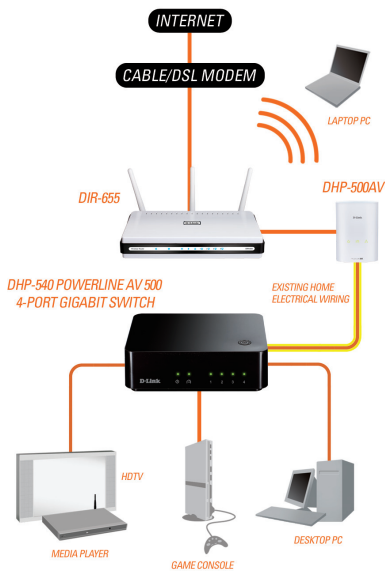
### WHAT THIS PRODUCT DOES

The Powerline AV 500 4-Port Gigabit Switch allows you to create or extend a network through your home's electrical wiring.<sup>1</sup> It allows you to connect to wired PCs, game consoles, or other devices through four Gigabit Ethernet ports.

### FAST TRANSMISSION USING YOUR HOME'S EXISTING WIRING

The Powerline AV 500 4-Port Gigabit Switch incorporates the latest technology to deliver up to 500 Mbps over a home's existing electrical wiring. This fast transmission speed provides ample bandwidth suitable for streaming high-quality video HDTV signals while simultaneously providing high-speed Internet access throughout the home. With Quality of Service (QoS) support, the performance of applications which require real-time communication, such as VoIP phone calls and multiplayer online games, will not be compromised even while downloading Internet TV and music.

### YOUR NETWORK SETUP



**GIGABIT ETHERNET LAN PORTS**  
Connects to PCs, game consoles, Internet TVs, or other devices

**POWER SWITCH**  
Turns device on and off

**POWER CONNECTOR**  
Connects to power cable

## TECHNICAL SPECIFICATIONS

#### STANDARDS

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

#### POWERLINE INTERFACE

- Power cable (country-dependent)

#### ETHERNET INTERFACE

- Four Gigabit Ethernet LAN ports
- RJ-45 connector

#### POWERLINE FREQUENCY BAND

- 2 MHz to 70 MHz

#### DATA RATE<sup>2</sup>

- 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)

- Windows 7/Vista/XP SP3
- Ethernet interface

#### LEDs

- Power
- Powerline
- Ethernet

#### POWER INPUT

- 100 to 240 V AC, 50/60 Hz

#### POWER SAVING

- Power saving mode supported

#### DIMENSIONS

- 132 x 103 x 42 mm (5.2 x 4.1 x 1.7 inches)

#### WEIGHT

- 250 g (0.5 lbs)

#### OPERATING TEMPERATURE

- 0 to 40 °C (30 to 104 °F)

#### OPERATING HUMIDITY

- 10% to 90% non-condensing

#### CERTIFICATIONS

- FCC Part 15 Class B
- CE EMC Class B
- CE LVD
- UL

<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. Additional D-Link Powerline AV adapters are required to add new devices to the network. A minimum of two D-Link Powerline AV Network 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 standard.



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