



reddot design award



## POWERLINE AV MINI ADAPTER

### AWARD-WINNING DESIGN

Winner of the prestigious red dot award for its clever design and small form factor

### RAPID SPEEDS OVER ELECTRICAL WIRING

Speeds of up to 200 Mbps over home electrical wiring, suitable for high-bandwidth Internet applications

### SECURITY MADE EASY

Data encryption can be configured with the push of a button to keep intruders out



### DATA TRANSMISSION OVER ELECTRICAL WIRING

The D-Link DHP-310AV Powerline AV 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.<sup>1</sup> It turns every power outlet into a potential network connection for accessing digital media devices, game consoles, print servers, computers, and network storage devices throughout your home. The DHP-310AV delivers data transfer rates of up to 200 Mbps.<sup>2</sup> This makes it suitable for bandwidth-intensive applications, guaranteeing smooth HD video streaming, VoIP calls, and a lag-free online gaming experience.

### COMPACT FOR A REASON

The Powerline AV Mini Adapter's award-winning design makes your life easier. Its slim shape does not block access to neighboring power outlets, allowing it to be plugged in anywhere alongside other devices. Its smooth, petite, rounded casing blends in with any home environment while providing convenient high-speed networking.

### CONVENIENT SETUP AND SECURE OPERATION

Just plug the Powerline AV Mini Adapter into a power outlet; no additional cables are required. 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. Setting up a secure connection is easy, and an encryption key can be quickly configured with the push of a button, using 128-bit AES data encryption to protect the network from unauthorized wire tapping. With hassle-free plug-and-play installation, the DHP-310AV is an ideal solution to create a wall-to-wall home network.

### SAVES POWER AUTOMATICALLY

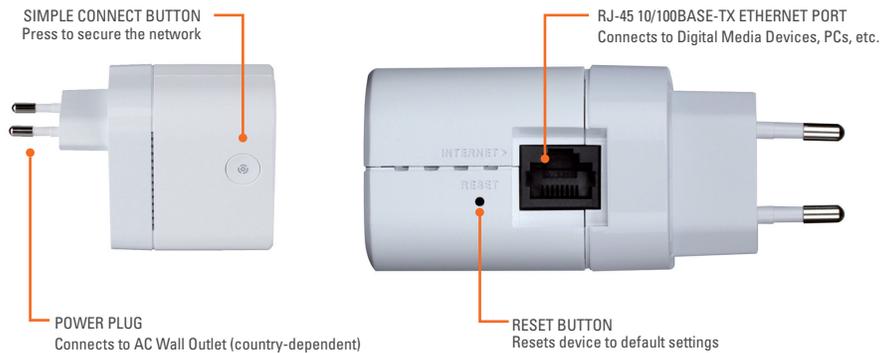
The Powerline AV Mini Adapter incorporates a power-saving mode that automatically places the adapter in sleep mode if no data transmission or reception occurs over a certain period of time, reducing power usage by more than 50%.

### WHAT THIS PRODUCT DOES

The Powerline AV Mini Adapter allows you to connect computers, high-definition TVs, networking devices, and gaming consoles using cables you already have connected - your home's electrical wiring. Share Internet connections and experience smooth file transfers, streaming multimedia, online gaming, and more. This device features easy plug-and-play installation and can be connected to any Ethernet-enabled device.

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

The Powerline AV Mini Adapter delivers network transmission speeds of up to 200 Mbps over a home's existing electrical wiring. This fast transmission speed provides ample bandwidth for streaming high-quality HD video signals while simultaneously providing high-speed Internet access throughout the home.



### TECHNICAL SPECIFICATIONS

#### STANDARDS

- IEEE 802.3
- IEEE 802.3u
- HomePlug AV

#### POWERLINE INTERFACE

- Power plug (country-dependent)

#### ETHERNET INTERFACE

- 10/100BASE-TX Ethernet port with Auto MDI/MDIX
- RJ-45 connector

#### INPUT POWER

- 100V -240V, 50/60 Hz, 0.1A
- 4 W maximum

#### POWERLINE MODULATION SCHEME

- OFDM symbol modulation

#### POWERLINE FREQUENCY BAND

- 2 MHz to 30 MHz

#### DATA RATE

- Powerline: up to 200 Mbps (PHY rate)<sup>1</sup>
- Ethernet: 10/100 Mbps (autonegotiation)

#### SECURITY

- 128-bit AES link encryption

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

- Windows 7/Vista/XP SP3
- Ethernet interface (100 Mbps)

#### LEDS

- Power
- Powerline
- LAN

#### DIMENSIONS (L x W x H)

- EU type: 61 x 42 x 68 mm (2.4 x 1.7 x 2.7 inches)
- UK type: 70.5 x 42 x 68 mm (2.78 x 1.7 x 2.7 inches)

#### WEIGHT

- EU type: 125.6 g (0.27 lbs)
- UK type: 122.1 g (0.27 lbs)

#### OPERATING TEMPERATURE

- 0 to 40 °C (30 to 104 °F)

#### OPERATING HUMIDITY

- 10% to 90% non-condensing

#### CERTIFICATIONS

- FCC
- CE EMC Class B
- UL
- 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. 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. Plugging this product into a wall-socket extension lead (power strip) with a surge protector may adversely affect the performance of this product. For best results, plug the adapter directly into a wall socket.

<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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