



PowerLine AV Wireless N Extender

Ready to use - simply plug into existing outlets²

Easily connect and secure your network with push button security

Up to 200Mbps¹ - stream HD video and enjoy lag-free gaming

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Instant Home Networking

The D-Link DHP-W306AV PowerLine AV Wireless N Extender, compliant with the HomePlug AV standard, uses your home's existing electrical wiring to create a network or extend your existing network¹. 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. Additionally, Wireless N provides high speed transfers without the need for unsightly network cables.

Faster Wireless Speeds, Wider Operational Range

The Wireless N technology incorporated into the DHP-W306AV offers increased speed and range over standard 802.11g/b. Initial wireless setup can be accomplished quickly, thanks to a convenient WPS button atop the device. WEP, WPA, and WPA2 encryption keep your network traffic safe and secure.

Ideal for Bandwidth-Intensive Applications

The DHP-W306AV is capable of delivering data transfer rates of up to 200 Mbps². 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 glitches while web surfing and downloads are in progress. This device provides ample network bandwidth, enabling you to tap into existing electrical wiring for high-quality multimedia streaming.

Online Gaming

The D-Link DHP-W306AV enables you to connect gaming consoles like the Xbox 360®, Playstation® 3, or Nintendo Wii® to the Internet. The built-in Quality of Service (QoS) feature enables lag-free gaming.

Convenient Setup and Secure Operation

The DHP-W306AV 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 via Ethernet cable or Wireless N. For convenient setup, wired or wireless encryption keys can be quickly configured with the push of a button atop the device. 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-W306AV is an ideal solution to create a wall-to-wall home network.

Fast Transmission Using Your Home's Existing Wiring

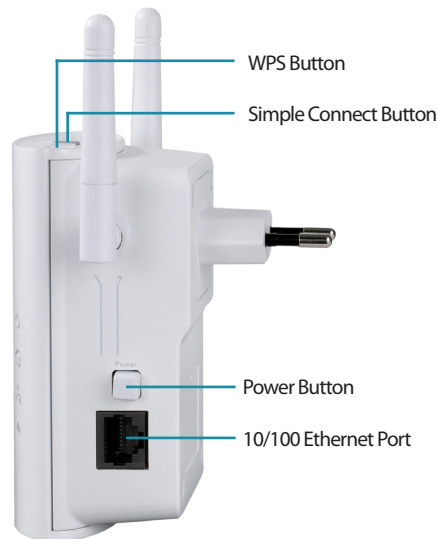
The PowerLine AV Wireless N Extender incorporates the latest technology to deliver up to 200 Mbps¹ over a home's existing electrical wiring. This fast transmission speed provides ample bandwidth suitable for streaming high-quality video HDTV signals while simultaneously providing highspeed Internet access 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.

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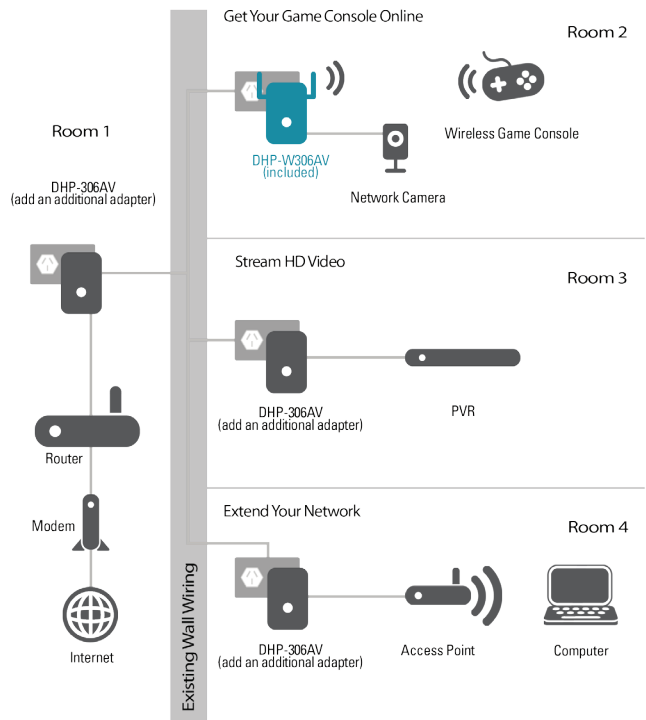
What This Product Does

With network data transfer rates of up to 200 Mbps¹, the DHP-W306AV allows you to connect computers, High-Definition TVs, networking devices, and gaming consoles using the most pervasive medium in your house - the electrical wiring. Share Internet connections and experience smooth file transfers, streaming multimedia, online gaming and more. The PowerLine AV Wireless N Extender features easy plug-and-play installation and can be connected to any Ethernet- or wireless enabled device.

Rear Product Features & Connection Diagram



Power Prongs will differ from image shown above



Technical Specifications

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n
- HomePlug AV

PowerLine Interface

- Australian power plug

Ethernet Interface

- 10/100BASE-TX Ethernet Port with auto MDI/ MDIX
- RJ-45 Connector

PowerLine Modulation Scheme

- OFDM Symbol Modulation

PowerLine Frequency Band

- 2MHz to 30MHz

Data Rate

- PowerLine: 200Mbps (PHY rate)
- Ethernet: 10/100Mbps (auto-negotiation)
- Wireless: Up to 300 Mbps³

QoS

- Integrated QoS prioritizes media and data

Wireless Frequency Range

- 2.4 GHz to 2.497 GHz

Antennas

- Two fixed external 2 dBi omni directional antennas

Security

- 128-bit AES Data Encryption
- WEP 64/128-Bit Data Encryption
- Wi-Fi Protected Access (WPA/WPA2)
- WPS™

Minimum System Requirements

- (For PC Utility Software)
- PC with 200 MHz processor
- 64MB memory
- Windows 7, Vista, XP SP2 or 2000 SP4
- Ethernet interface (100Mbps)

LEDs

- Power
- PowerLine
- Ethernet
- WLAN

Power Input

- 100 to 240 VAC, 50/60Hz

Power Saving

- Power saving mode supported
- Compliant with European Energy Using Product Directive

Dimensions

- 105 x 70 x 52 mm

Weight

- 208 g

Operating Temperature

- 0° to 40° C

Operating Humidity

- 10% to 95% non-condensing

EMC Certification

- UL
- CE LVD
- Wi-Fi

Safety Certification

- UL
- CE LVD

Additional PowerLine AV Products:

DHP-306AV	Network Adapter
DHP-307AV	Network Starter Kit
DHP-346AV	4-Port 10/100 Switch
DHP-1320	Wireless N Router
DHP-1321	Wireless N Router Starter Kit

<http://powerline.dlink.com.au>

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¹Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range. Wireless range and speed rates are D-Link RELATIVE performance measurements based on the wireless range and speed rates of a standard Wireless G product from D-Link. Maximum throughput based on D-Link's 802.11n devices. ²Power outlets and electrical wiring must all be part of the same electrical system. Certain electrical conditions in your home, such as wiring conditions and configuration may affect the performance of this product. 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 adapter directly into a power outlet. ³Maximum 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, short wave radios, or other powerline devices that do not follow the HomePlug Powerline Alliance standard. ⁴Computer must adhere to Microsoft's recommended system requirements. ⁵Software included is not Mac-compatible. ⁶24/7 Technical Support available only in Australia and New Zealand. ⁷1-Year Limited Warranty available only in Australia and New Zealand.

All references to speed are for comparison purposes only. Product specification, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted on the package. See inside package for warranty details. D-Link PowerLine AV Network Adapters (DHP-W306AV, DHP-306AV, DHP-307AV) may coexist within but are not compatible or interoperable with D-Link PowerLine HD Ethernet Adapters (DHP-302, DHP-303). This product is designed for use in Australia and New Zealand. Use of this product in other countries might violate local laws. Latest documentation is available at <http://support.dlink.com.au>.

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