



POWERLINE AV WIRELESS N EXTENDER

WIRELESS N TECHNOLOGY

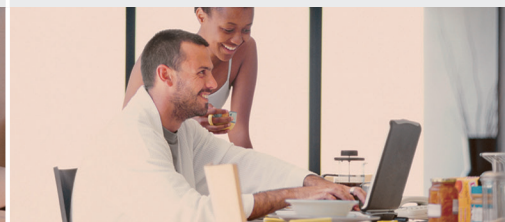
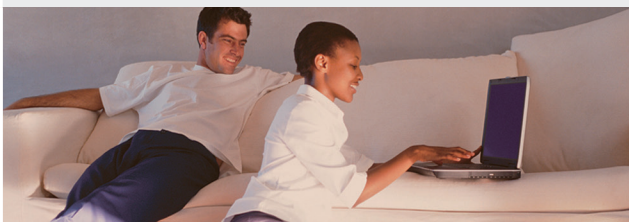
Wireless N offers superior wireless range and speed over conventional wireless b/g

RAPID SPEEDS OVER ELECTRICAL WIRING

Speeds of up to 200 Mbps speed 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-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 network.¹ 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 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 glitches while web surfing and downloads are in progress. This device provides ample network bandwidth, enabling digital home consumers to tap into existing electrical wiring for high-quality multimedia streaming.

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.

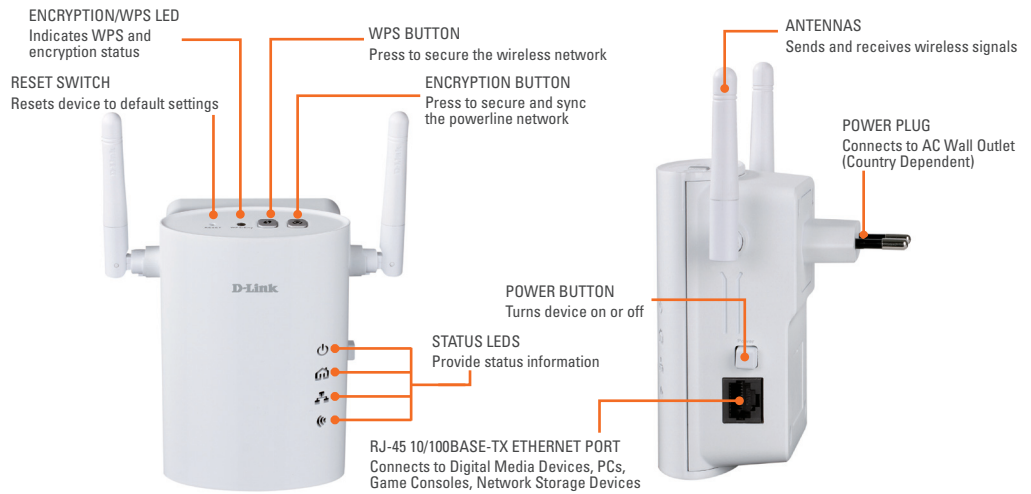
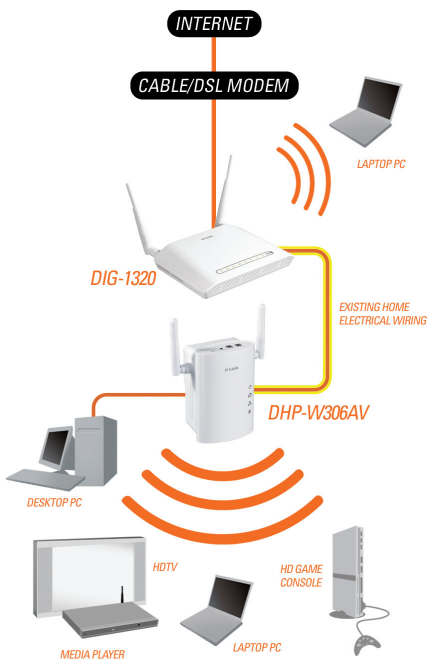
WHAT THIS PRODUCT DOES

The DHP-W306AV allows you to connect both wired and wireless computers, high-definition TVs, networking devices, and gaming consoles using the most pervasive medium in your home - 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-enabled device.

FAST TRANSMISSION USING EXISTING ELECTRICAL WIRING

The Powerline AV Wireless N Extender incorporates the latest technology to deliver up to 200 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



TECHNICAL SPECIFICATIONS

STANDARDS

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

POWERLINE INTERFACE

- Power plug (country-dependent)

ETHERNET INTERFACE

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

POWERLINE MODULATION SCHEME

- OFDM Symbol Modulation

POWERLINE FREQUENCY BAND

- 2 MHz to 30 MHz

DATA RATE

- Powerline: 200 Mbps (PHY rate)
- Ethernet: 10/100 Mbps (autonegotiation)
- 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-direction antennas

SECURITY

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

LEDS

- Power
- Powerline
- Ethernet
- WLAN

POWER INPUT

- 240 V AC, 50/60 Hz

POWER SAVING

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

DIMENSIONS

- 105 x 70 x 52 mm (4.1 x 2.8 x 2.0 inches)

WEIGHT

- 208 g (0.46 lb)

OPERATING TEMPERATURE

- 0° to 40°C (30° to 104°F)

OPERATING HUMIDITY

- 10% to 95% non-condensing

EMC CERTIFICATION

- CE EMC Class B

QUICK SETUP WIZARD

- D-Link Click and Connect (DCC)

SAFETY CERTIFICATION

- UL
- CE LVD
- Wi-Fi

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. 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.

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 standard.

³ Theoretical maximum for devices on the same network.



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