



POWERLINE AV WIRELESS N EXTENDER

Wireless N offers superior wireless range and speed over conventional wireless g³

Up to 200 Mbps¹ through PowerLine over home electrical wiring², for streaming HD video and lag-free gaming

Easily connect and secure your network with push button security to keep intruders out



USE EXISTING ELECTRICAL WIRING TO CREATE A HOME NETWORK

The D-link® Powerline AV Wireless N Extender (DHP-W306AV), compliant with the HomePlug AV standard, uses your home's existing electrical wiring to create a network or extend your existing network². 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. Coupled with Wireless N, the DHP-W306AV enables you to extend your wireless network to the farthest corners of your home without the need for unsightly network cables. No extra drilling and extra wiring required!

FASTER WIRELESS SPEEDS, WIDER COVERAGE

The Wireless N technology incorporated into the DHP-W306AV uses intelligent antenna technology to maximize the speed and range of your wireless signal to significantly outperform 802.11g devices³. The DHP-W306AV is also capable of delivering transfer rates up to 200Mbps¹ through the Powerline Network, so you can stream high definition video, enjoy lag-free gaming and faster access to large files within your network.

EASY SECURITY SETUP

The DHP-W306AV features a convenient Wi-Fi Protected Setup™ (WPS) button for simple, secure wireless network configuration with WEP, WPA, and WPA2 encryption keeping your network traffic safe and secure. It also features an encryption security button (ENY) that enables secure transmission between each HomePlug AV device.

IDEAL FOR BANDWIDTH-INTENSIVE APPLICATIONS

The DHP-W306AV is capable of delivering high data transfer rates, both wired and wirelessly. This rapid transmission speed makes it ideal for bandwidth-intensive applications, enabling smooth HD video streaming, VoIP calls, and lag-free online gaming. 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.



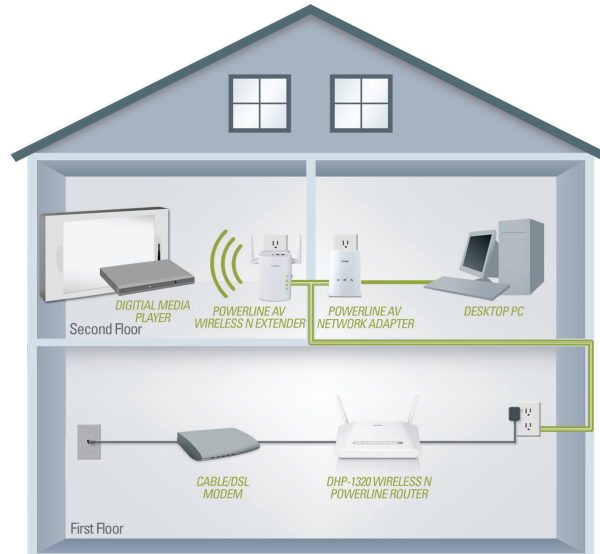
WHAT THIS PRODUCT DOES

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

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



A MINIMUM OF TWO D-LINK POWERLINE AV ETHERNET ADAPTERS ARE REQUIRED TO CREATE A NETWORK. D-LINK POWERLINE AV ETHERNET ADAPTERS (DHP-W306AV, DHP-306AV, DHP-307AV) MAY COEXIST, BUT ARE NOT COMPATIBLE OR INTEROPERABLE, WITH D-LINK POWERLINE HD ETHERNET ADAPTERS (DHP-302, DHP-303)

TECHNICAL SPECIFICATIONS

STANDARDS

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

ETHERNET INTERFACE

- + 10/100Base-TX Ethernet Port with Auto MDI/MDIX
- + RJ-45 Connector

MAXIMUM DATA RATE

- + 200 Mbps

ANTENNA

- + Two fixed external 2 dBi Omni-direction antennas

POWERLINE MODULATION SCHEME

- + OFDM Symbol Modulation

POWERLINE FREQUENCY BAND

- + 2Mhz to 30 Mhz

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 SAVING

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

SAFETY CERTIFICATION

- + UL
- + Wi-Fi

EMC CERTIFICATION

- + FCC
- + IC

OPERATING TEMPERATURE

- + 30°F to 104°F (0°C to 40°C)

OPERATING HUMIDITY

- + 10% to 95% (Non-condensing)

DIMENSIONS

- + 4.1" x 2.8" x 2.0" (105 x 70 x 52 mm)

WEIGHT

- + 0.46lbs (208 g)

WARRANTY

- + 1-Year Limited[†]

¹ 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, short wave radios, or other powerline devices that do not follow the HomePlug Powerline Alliance standard. ² Power 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 effect 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. ³ Maximum 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. ⁴ 1-Year Limited Warranty available only in the USA and Canada. ⁵ Computer must adhere to Microsoft's recommended system requirements. ⁶ Software included is not Mac-compatible. ⁷ Latest Software and Documentation available at <http://support.dlink.com>.

All references to speed and range 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. This product is designed for use in the USA and Canada. Use of this product in other countries might violate local laws.

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MINIMUM SYSTEM REQUIREMENTS

- For Configuration Utility, Computer with:
- + 233MHz Processor
 - + 10MB Disk Space
 - + 64MB RAM
 - + CD-ROM Drive
 - + Network Interface Card
 - + Windows® 7, Windows Vista®, Windows® XP SP2, or Mac OS® (v10.4)
 - + Internet Explorer® v6 or Mozilla® Firefox® v3.0

POWER RANGE:

- + 110-240VAC, 50-60Hz

FOR INTERNET ACCESS

- + Cable or DSL Modem
- + Router
- + Subscription with an Internet Service Provider (ISP)

FOR NETWORK:

- + Two or more PowerLine AV Adapters

PACKAGE CONTENTS

- + PowerLine AV Wireless N Extender
- + 1 Ethernet Cable
- + CD-ROM[†]
- + Quick Install Guide