D-Link®
Building Networks for People

Product Highlights

- **Easily expand your wired and wireless network**
  This starter kit contains everything you need to turn every power socket into a possible wired or wireless network connection by extending your existing wireless network using the electrical wiring in your home.
- **High-speed data streaming**
  Wireless N standard, up to 300 Mbps[3] wireless speeds and backwards compatible with Wireless G up to 500 Mbps[3] data transfer rates over the existing electrical wiring.
- **Secure network sharing**
  Simple push-button set up with sophisticated data encryption to secure your network from unwanted connections
- **Plug and Play**
  Truly 'plug and play', no need for any IT or networking skills

DHP-W311AV
PowerLine AV 500 Wireless N Mini Starter Kit

Features

Connectivity

- 10/100 Mbps Fast Ethernet LAN port to connect a wired device for high-speed activities
- PowerLine interface compatible with IEEE 1901 and HomePlug AV devices
- IEEE 802.11n, backward-compatible with 802.11g/b

Security features:

- WPA/WPA2 encryption to secure your wireless traffic
- Common Connect button to activate WPS and PowerLine encryption
- 128-bit AES data encryption for PLC PowerLine

Security:

- IPv6 support
- Web browser setup and configuration
- One-touch AP configuration

The PowerLine AV 500 Wireless N Mini Starter Kit uses your homes electrical wiring to create a network or extend your existing network. Enjoy high-speed and reliable connectivity throughout your home. The PowerLine AV 500 Wireless N Mini Starter Kit features both wireless and PowerLine, which allows you to benefit from PowerLine[1] networking, compliant with the HomePlug AV standard that uses your existing home electrical wiring to extend your home network. The wireless ability allows you to increase the areas in your home where you can use your wireless devices.

Data transmission over electrical wiring

The D-Link DHP-W311AV PowerLine AV 500 Wireless N Mini Starter Kit, compliant with the HomePlug AV standard, uses your home's existing electrical wiring to create a network or extend your existing network. It turns every power outlet into a potential 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.

[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 series products are required to add new devices to the network. A minimum of two D-Link PowerLine AV series products 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.

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Faster wireless speeds and wider operational range

The Wireless N Technology incorporated into this PowerLine product offers increased speed and range beyond standard 802.11g technology. Initial wireless setup can be accomplished quickly, thanks to a convenient setup wizard. WPA and WPA2 encryption keep your network traffic safe and secure.

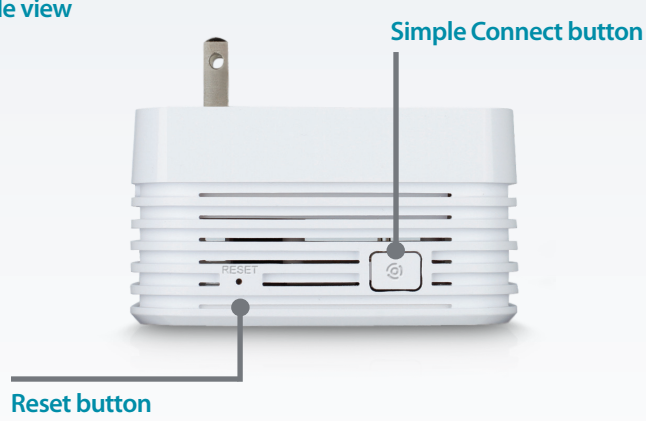
Secure connections and ease of use

The DHP-W311AV features WPA/WPA2 and WEP wireless encryption to ensure a secure wireless network connection. The DHP-W311AV features a Common Connect button to easily set up either a wireless connection through WPS, or create a secure PowerLine connection. Wi-Fi Protected Setup (WPS) by PIN is also supported.

Ideal for bandwidth intensive applications

This kit is capable of delivering data transfer at speeds of up to 500 Mbps[3] and Wireless N speeds of up to 300 Mbps[3]. This rapid transmission speed makes it ideal for bandwidth-intensive applications, guaranteeing smooth HD video streaming, clear VoIP calls, and lag-free online gaming experiences. In addition, it prioritises 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 their existing electrical wiring for high-quality multimedia streaming.

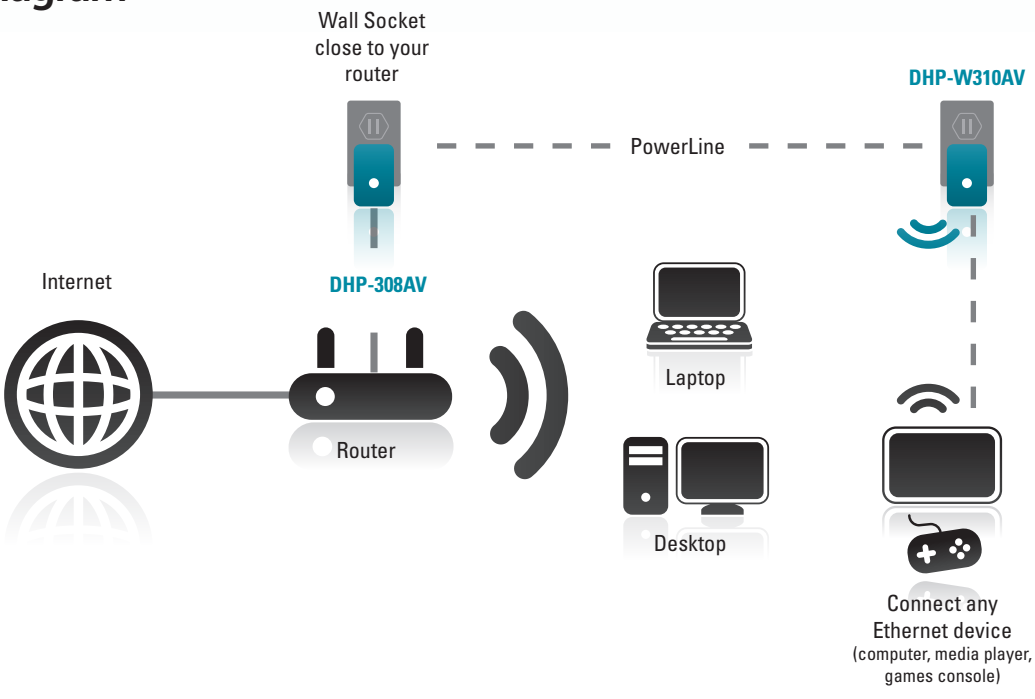
Side view



Convenient setup and secure operation

The DHP-W311AV plugs directly into a power outlet, and does not require any additional cables. Extend your home network by connecting multiple devices to the farthest corners of your home via an Ethernet cable or Wireless N. For convenient setup, wired or wireless encryption keys can be quickly configured with the push of a button on top of the device. The adapter implements 128-bit AES data encryption to protect your network from unauthorised access. With hassle-free 'plug and play' installation, this is an ideal solution to create a wall-to-wall home network.

Network diagram



DHP-W311AV
PowerLine AV 500 Wireless N Mini Starter Kit

Functions & Features		
Device Interfaces	• 10/100 Fast Ethernet LAN port with auto MDI/MDIX • 802.11n WLAN • Common Connect button	• Power ON/OFF switch • Reset button
Wireless LAN	• 802.11n/g/b • 802.11n speeds of up to 300 Mbps[2]	• WPA/WPA2 (Wi-Fi Protected Access) • 64/128-bit WEP data encryption
PowerLine	• HomePlug AV • IEEE1901	• Transfer speeds up to 500 Mbps[3]
Advanced Features	• IPv6 support • Power-saving • Wi-Fi WMM Quality of Service	• Multicast over unicast technology • PowerLine QoS
Dimensions	• 90 x 65 x 50 mm (3.54 x 2.56 x 1.97 inches)	
Power input	• 100 V to 240 V AC, 50/60 Hz	
Power consumption	• 6 watts	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	
Humidity	• Operating: 10% to 90% non-condensing	
Certifications	• CE/LVD • FCC • UL	• RoHS • HomePlug AV • IPv6

[2] Maximum wireless signal rate derived from IEEE Standard 802.11 specifications when used with related Wireless N devices. 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.

[3] Maximum throughput is 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.

reddot design award

HOMEPLUG CERTIFIED

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For more information: www.dlink.com

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