D-Link®
Building Networks for People

PF ELETTRICA

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 wireless speeds and backwards compatible with Wireless G up to 500 Mbps 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 such as wiring condition and configuration, may affect the products are required to add new devices to the network. A minimum of two D-Link PowerLine AV series products are requi to create a network. Connecting this product to a pow product. For best results, plug the adapter directly into a

Faster wireless speeds and wider operational range

Secure connections and ease of use

The Wireless N Technology incorporated into 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

This DHP-W311AV features WPA/WPA2 and WEP wi a Simple Connect button to easily set up either a wi network traffic secure PowerLine secure. connection. Wi-Fi Pr create a secure wireless network. also supported.
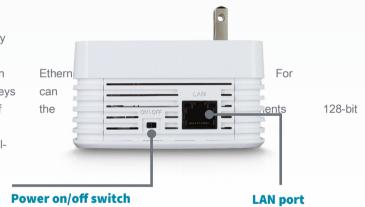
Ideal for bandwidth intensive applications

This kit is capable of delivering data transfer at speeds of up to [3] 500 Mbps and Wireless N speeds of up to 300 [3] Mbps. 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.
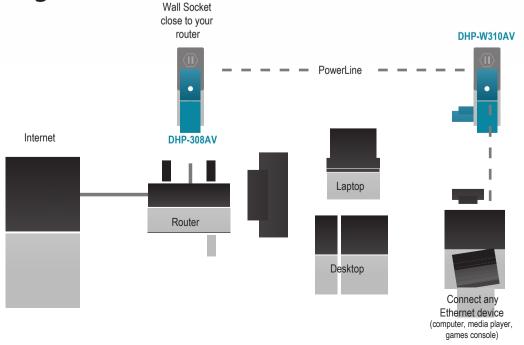
Side view

Simple Connect button

Reset button

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 Ethern For convenient setup, wired or wireless encryption keys can with the push of a button on top of the ents 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.

Power on/off switch

LAN port

Network diagram

Wall Socket
close to your
router

DHP-W310AV

PowerLine

Internet

DHP-308AV

Router

Laptop

Desktop

Connect any
Ethernet device
(computer, media player,
games console)

Functions & Features

Device Interfaces	• 10/100 Fast Ethernet LAN port with auto MDI/MDIX • Power ON/OFF switch • 802.11n WLAN • Reset button • Common Connect button
Wireless LAN	• 802.11n/g/b • WPA/WPA2 (Wi-Fi Protected Access data encry • 802.11n speeds of [2] up to 300 Mbps • 64/128-bit WEP
PowerLine	• HomePlug AV • Transfer speeds up to 500 • IEEE1901
Advanced Features	• IPv6 support • Multicast over unicast technology • Power-saving • PowerLine QoS • Wi-Fi WMM Quality of Service
Dimensions	• 90 x 65 x 50 mm (3.54 x 2.56 x
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 • RoHS • FCC • HomePlug AV • UL • IPv6

[2] Maximum wireless signal rate derived from IEEE Standard 802.11 specifications when used with related Wi traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will 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 actua rate. Interference from devices that emit electrical noise, such as vacuum cleaners and hair dryers, may adv switch or a touch-sensitive on/off feature, short wave radios, or other PowerLine devices that do not

For more information: www.dlink.com

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