

## Product Highlights

### Simple Design

Simply plug in the DHP-W312AV directly into a free power outlet and it is ready to be used; no extra cables needed

### Rapid Speeds Over Electrical Wiring

802.11ac and Concurrent Dual Band technology allow for higher speeds over home electrical wiring; suitable for high bandwidth Internet

### Secure Network Sharing

Securely connect a wireless or Powerline device easily and automatically at the press of a button; no networking knowledge required



## DHP-W312AV

# Powerline AV 500 Wireless AC600 Extender

## Features

### Standards

- IEEE 802.11ac
- IEEE 802.11n
- IEEE 802.11g
- IEEE 802.11b
- Homeplug AV
- IEEE 1901

### Connectivity

- 10/100 Mbps Fast Ethernet LAN port
- Power plug (country dependant) for Powerline
- RJ-45 connector
- Supports IEEE 802.3x Flow Control

### Security Features

- WPA/WPA2 encryption
- Simple Connect Button to activate WPS (Wi-Fi Protected Setup) and Powerline encryption
- 128-bit AES Data Encryption with key management for secure Powerline communications

### Versatile Support

- IPv6 Support
- Web browser setup and configuration

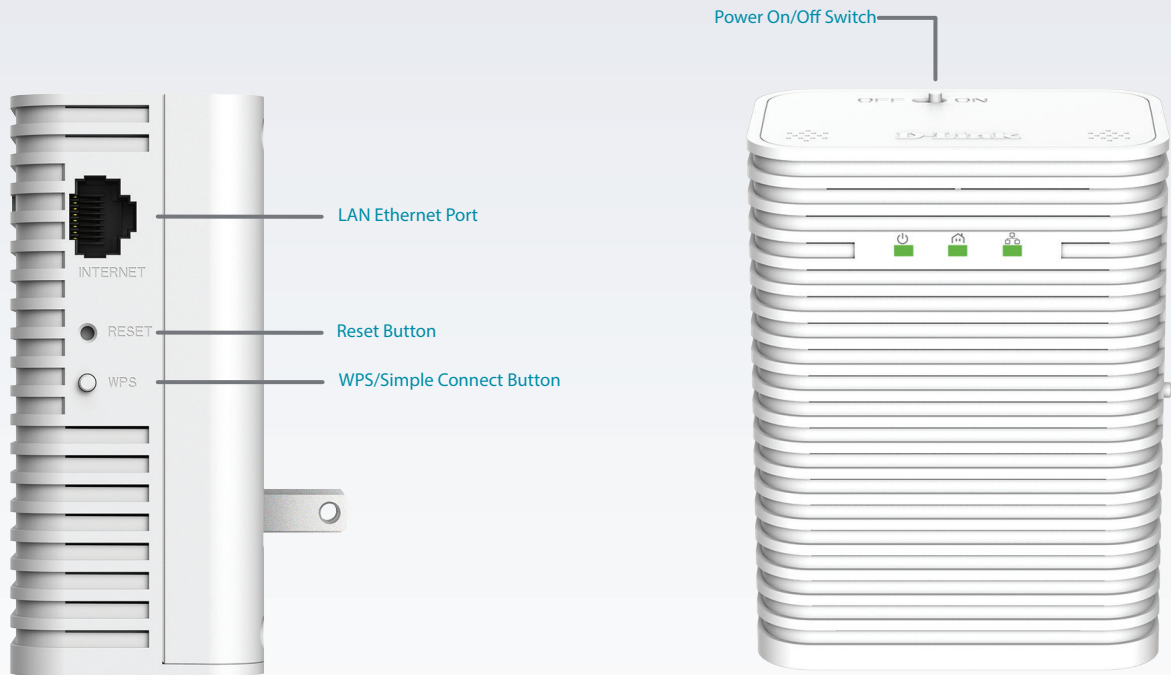
The DHP-W312AV Powerline AV 500 Wireless AC600 Extender allows you to connect wired and wireless computers, high-definition TVs, networking devices, and gaming consoles all to your network by using your home's existing electrical wiring<sup>1</sup>. By simply plugging the DHP-W312AV into any power outlet in your home, and pairing it with other Powerline products connected to your modem, you can extend your network throughout your home and enjoy wired data speeds of up to 500 Mbps<sup>2</sup>. This makes the DHP-W312AV perfect for bandwidth intensive applications, guaranteeing smooth HD video streaming, VoIP calls, and lag-free online gaming experiences.

## Enhanced Performance

The DHP-W312AV Powerline AV 500 Wireless AC600 Extender has the latest 802.11ac technology and is backwards compatible with 802.11n, 802.11b, 802.11g networks making it capable of high speeds of up to 433 Mbps<sup>3</sup>. This, coupled with concurrent dual band wireless transmission, eases data congestion created by data intensive applications, enabling you and your family to stream movies, download large files, and enjoy a fast Internet connection for Web surfing.

## Secure Connections and Ease of Use

The DHP-W312AV is easy and straightforward to setup. It simply plugs directly into a power outlet and requires no additional cables. By using the Simple Connect button, you can easily set up a wireless connection through WPS (Wi-Fi Protected Setup) or create a secure Powerline connection, extending your network in no time at all. The DHP-W312AV also features WPA/WPA2 and WEP wireless encryption to ensure a secure wireless network connection, so you can rest assure your information is safe from unwanted users.



## Technical Specifications

### General

Device Interfaces	<ul style="list-style-type: none"> <li>• 10/100 Fast Ethernet LAN port</li> <li>• Power plug (country dependant) for Powerline</li> <li>• Simple Connect button</li> </ul>	<ul style="list-style-type: none"> <li>• Power On/Off switch</li> <li>• Reset button</li> </ul>
Wireless LAN	<ul style="list-style-type: none"> <li>• 802.11ac/n/g/b</li> <li>• 64/128-bit WEP data encryption</li> </ul>	<ul style="list-style-type: none"> <li>• WPA/WPA2 (Wi-Fi Protected Access)</li> </ul>
Powerline	<ul style="list-style-type: none"> <li>• HomePlug AV</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE1901</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• IPv6 support</li> <li>• Power-saving</li> <li>• UPnP support</li> </ul>	<ul style="list-style-type: none"> <li>• Wi-Fi WMM Quality of Service</li> <li>• Powerline QoS</li> <li>• Web-based configuration</li> </ul>

### Physical

Dimensions	<ul style="list-style-type: none"> <li>• 101 x 70 x 45 mm (3.97 x 2.75 x 1.77 inches)</li> </ul>
Power Input	<ul style="list-style-type: none"> <li>• 100 V to 240 V AC, 50/60 Hz</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>• 6.1 watts</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 90% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• CE/LVD</li> <li>• FCC</li> <li>• UL</li> <li>• WEEE</li> <li>• RoHS</li> <li>• Homeplug AV</li> <li>• IPv6</li> </ul>

# DHP-W312AV Powerline AV 500 Wireless AC600 Extender

Order Information	
Part Number	Description
DHP-W312AV	Powerline AV 500 Wireless AC600 Extender

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> Maximum wireless signal rate derived from IEEE Standard 802.11 specifications when used with related Wireless AC 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.

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