

## Product Highlights

### High-speed Data Streaming

Powerline AV2 1000 allows for Gigabit speeds over home electrical wiring, making it suitable for high-bandwidth activities like HD media streaming

### Easy Setup

Make a secure Powerline network connection and set up or extend your wireless network at the touch of a single button

### Complete Powerline Solution

Set up and start using your Powerline network right away using one included DHP-W610AV and one DHP-P610AV



## DHP-W611AV

# PowerLine AV2 1000 Wi-Fi AC1200 Starter Kit

## Features

### Connectivity

- 10/100/1000 Mbps Gigabit Ethernet LAN port for high-speed streaming
- Powerline interface compatible with IEEE 1901 and HomePlug AV2 devices
- IEEE 802.11ac, backward compatible with 802.11n/g/a (DHP-W610AV)

### Security Features

- Simple Connect Button to activate WPS and Powerline encryption
- WPA/WPA2 encryption to secure your wireless traffic (DHP-W610AV)
- 128-bit AES encryption

### Advanced Features (DHP-W610AV)

- Quality of Service (QoS) maximizes performance by prioritizing data types
- UPnP support lets you connect devices easily
- IPv6 support ensures new devices are compatible
- Web browser setup and configuration
- Power-saving mode cuts down on energy usage
- Clone My Wi-Fi lets you copy your existing network settings to your extended network

The DHP-W611AV PowerLine AV2 1000 Wi-Fi AC1200 Starter Kit allows you to set up and start enjoying the convenience and reliability of a high-speed wireless and Powerline network in your home right away. The DHP-W611AV features the DHP-W610AV PowerLine AV2 1000 Wi-Fi AC1200 Adapter and the DHP-P610AV PowerLine AV2 1000 Gigabit Passthrough Adapter, giving you everything you need to create a high-speed Powerline network in your home. Simply plug the devices into electrical outlets in your home and you'll be able to use your existing wiring to expand your Internet access and wireless network.

## Complete Powerline Solution

The DHP-W611AV PowerLine AV2 1000 Wi-Fi AC1200 Starter Kit features a Powerline<sup>1</sup> network connection, compliant with the HomePlug AV2 standard, that uses your existing home electrical wiring to create or extend your home network. To set up a Powerline network, just plug the DHP-W610AV into a power outlet and then plug the DHP-P610AV into another power outlet in any location in your home.

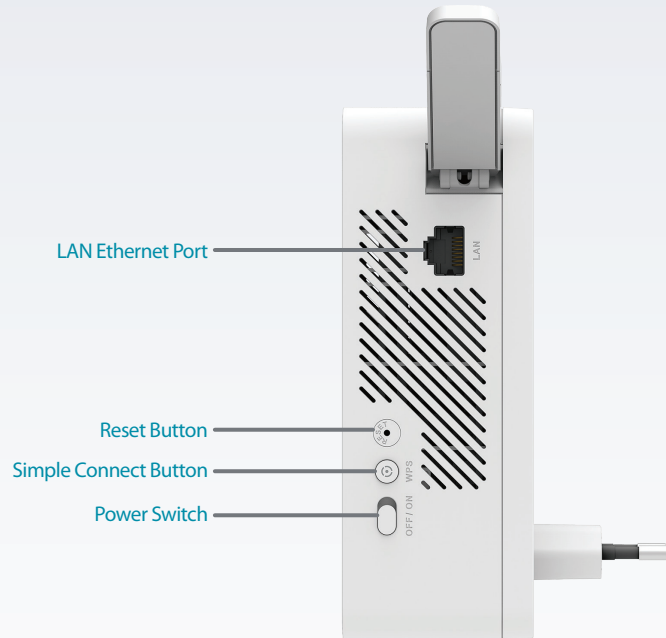
## Enhanced Performance

The DHP-W611AV PowerLine AV2 1000 Wi-Fi AC1200 Starter Kit is capable of high speeds of up to 1000 Mbps via Powerline, making it faster than older Powerline AV products, enabling you to stream movies, download large files, and enjoy a fast Internet connection for Web surfing. The DHP-W610AV and DHP-P610AV also support Quality of Service features that ensure faster multimedia streaming by prioritizing multimedia data over non-multimedia data.

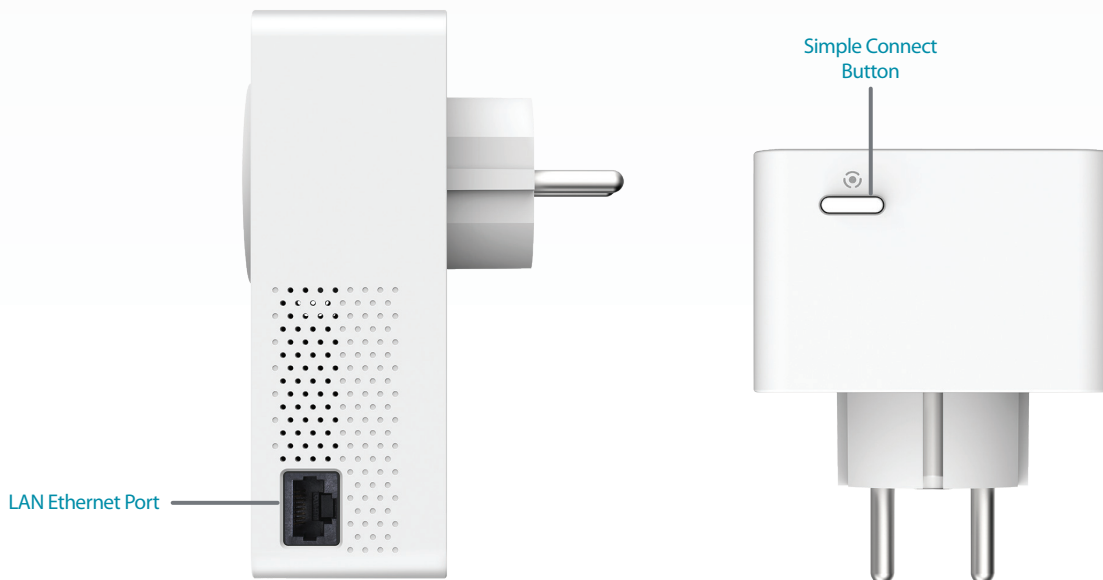
## Secure Wired and Wireless Connection

The DHP-W611AV features 128-bit AES encryption to ensure a secure Powerline network connection. The DHP-W610AV also uses industry standard WPA/WPA2 encryption to protect your wireless network. Both the DHP-W610AV and DHP-P610AV feature a Simple Connect button that allows you to easily set up Wi-Fi Protected Setup (WPS) for your wireless connection or a secure Powerline connection at the press of a button.

**DHP-W610AV**



**DHP-P610AV**



**Technical Specifications (DHP-P610AV PowerLine AV2 1000 Gigabit Passthrough Adapter)**

**General**

Powerline Interface	<ul style="list-style-type: none"> <li>• One PLC interface compatible with HomePlug AV2 specification up to 1000 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>• Simple Connect Button</li> </ul>
Network Interface	<ul style="list-style-type: none"> <li>• 10/100/1000 Ethernet port with auto MDI/MDIX</li> </ul>	<ul style="list-style-type: none"> <li>• Reset Button</li> </ul>

**Functionality**

Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3</li> <li>• IEEE 802.3x</li> </ul>	<ul style="list-style-type: none"> <li>• HomePlug AV2</li> <li>• IEEE 1901</li> </ul>
Security	<ul style="list-style-type: none"> <li>• 128-bit AES encryption</li> </ul>	
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>• Powerline</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• Power-saving mode</li> </ul>	<ul style="list-style-type: none"> <li>• Compliant with European Energy Using Product Directive</li> </ul>
Powerline Modulation Scheme	<ul style="list-style-type: none"> <li>• OFDM Symbol Modulation</li> </ul>	
Powerline Frequency Band	<ul style="list-style-type: none"> <li>• 2 to 86 MHz</li> </ul>	
Data Rate	<ul style="list-style-type: none"> <li>• Powerline: Up to 1000 Mbps (PHY rate)<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Ethernet: 10/100/1000 Mbps (auto negotiation)</li> </ul>

**Physical**

Dimensions	<ul style="list-style-type: none"> <li>• 114 x 59 x 38 mm (4.49 x 2.32 x 1.50 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• EU Type: 188 g (6.63 ounces)</li> </ul>	
Passthrough Power Socket	<ul style="list-style-type: none"> <li>• EU Type: 250 V/16 A Maximum</li> </ul>	
Power Input	<ul style="list-style-type: none"> <li>• EU Type: 100 to 250 V AC, 50/60 Hz, 16 A</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• Input: 100 to 240 V AC, 50/60 Hz</li> </ul>	
Power Consumption	<ul style="list-style-type: none"> <li>• Normal: 2.62 W</li> </ul>	<ul style="list-style-type: none"> <li>• Network Standby: 2.23 W</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: -20 to 65 °C (-4 to 149 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 90% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 5% to 95% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• CE/LVD</li> <li>• FCC/IC</li> </ul>	<ul style="list-style-type: none"> <li>• UL</li> </ul>

**Technical Specifications (DHP-W610 PowerLine AV2 1000 Wi-Fi AC1200 Adapter)**

**General**

Powerline Interface	<ul style="list-style-type: none"> <li>• One PLC interface compatible with HomePlug AV2 specification up to 1000 Mbps<sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• Simple Connect button</li> </ul>
Network Interfaces	<ul style="list-style-type: none"> <li>• 10/100/1000 Ethernet LAN port with auto MDI/MDIX</li> <li>• 802.11ac WLAN</li> </ul>	<ul style="list-style-type: none"> <li>• WPS</li> <li>• Reset button</li> </ul>
Wireless LAN	<ul style="list-style-type: none"> <li>• 802.11ac/n/g/a standards</li> <li>• Wireless speed: up to 866 Mbps (802.11ac)<sup>3</sup></li> </ul>	<ul style="list-style-type: none"> <li>• WPA/WPA2 (Wi-Fi Protected Access)</li> </ul>

**Functionality**

Standards	<ul style="list-style-type: none"> <li>• IEEE 802.3</li> <li>• IEEE 802.3x</li> </ul>	<ul style="list-style-type: none"> <li>• HomePlug AV2</li> <li>• IEEE 1901</li> </ul>
Security	<ul style="list-style-type: none"> <li>• Powerline: 128-bit AES Encryption</li> </ul>	
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• Ethernet</li> </ul>	<ul style="list-style-type: none"> <li>• Powerline</li> <li>• Wi-Fi</li> </ul>
Advanced Features	<ul style="list-style-type: none"> <li>• IPv6 support</li> <li>• Power-saving mode</li> </ul>	<ul style="list-style-type: none"> <li>• PLC Quality of Service (QoS)</li> <li>• Clone My Wi-Fi</li> </ul>

**Physical**

Dimensions	<ul style="list-style-type: none"> <li>• 140 x 68 x 50 mm (5.51 x 2.68 x 1.97 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• EU Type: 315.2 g (11.1 ounces)</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• Input: 100 V to 240 V AC, 50/60 Hz</li> </ul>	
Power Consumption	<ul style="list-style-type: none"> <li>• Normal: 9.22 W</li> <li>• Network Standby: 6.15 W</li> </ul>	<ul style="list-style-type: none"> <li>• Off: 0.1 W</li> </ul>
Temperature	<ul style="list-style-type: none"> <li>• Operating: 0 to 40 °C (32 to 104 °F)</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: -20 to 65 °C (-4 to 149 °F)</li> </ul>
Humidity	<ul style="list-style-type: none"> <li>• Operating: 10% to 90% non-condensing</li> </ul>	<ul style="list-style-type: none"> <li>• Storage: 5% to 95% non-condensing</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• CE/LVD</li> <li>• FCC/IC</li> <li>• UL</li> </ul>	<ul style="list-style-type: none"> <li>• RoHS</li> <li>• HomePlug AV2</li> </ul>

# DHP-W611AV PowerLine AV2 1000 Wi-Fi AC1200 Starter Kit

Order Information	
Part Number	Description
DHP-W611AV	PowerLine AV2 1000 Wi-Fi AC1200 Starter Kit
DHP-W610AV	PowerLine AV2 1000 Wi-Fi AC1200 Adapter
DHP-P610AV	PowerLine AV2 1000 Gigabit Passthrough Adapter

<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 AV2 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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