

## Product Highlights

### Reach Every Room in Your House

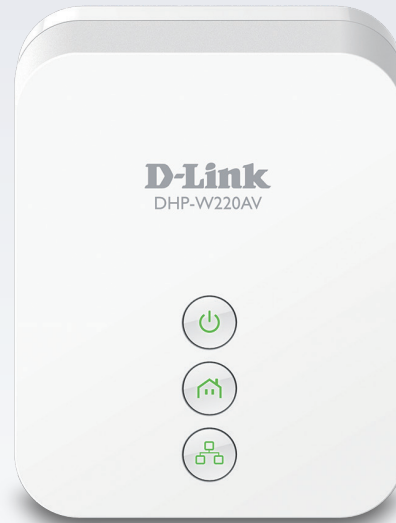
Use your existing in-home electrical wiring and turn any electrical power outlet into an Ethernet network connection

### Just Plug and Play

Plug it in, and press the Simple Connect button to instantly transform your household power grid into a fully functional network

### Fast Multimedia Streaming

Data transfer rates up to 200 Mbps lets you stream media, Voice over IP calls, and play online games smoothly



## DHP-W220AV

# PowerLine AV Wireless N150 Mini Extender

## Features

### Convenient Home Networking Solution

- Connect two rooms by simply plugging in a pair of adapters
- Share your Internet connection or share files between computers
- Subtle design discreetly blends into you home

### Fast Connectivity

- Powerline data transfer rates of up to 200 Mbps<sup>2</sup>
- Powerline interface compatible with IEEE 1901 and HomePlug AV standards
- Wireless N technology for improved bandwidth and extended coverage range

### Security Features

- WPS button for secure, hassle-free network setup
- 128-bit AES data encryption with key management for secure communications over electrical wiring

### Simple Setup

- Plug in to any existing power outlet to extend your network
- Connect more rooms by simply plugging in additional adapters

The DHP-W220AV PowerLine AV Wireless N150 Mini Extender uses your home's existing electrical wiring to extend your existing network.<sup>1</sup> Share the Internet connection in your study with a game console in your living room, or connect two PCs in different rooms, all without the need to install additional network cabling.

## Data Transmission Over Electrical Wiring

The D-Link DHP-W220AV PowerLine AV Wireless N150 Mini Extender 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. Compliant with the HomePlug AV standard, the DHP-W220AV is guaranteed to be compatible with older Powerline devices.

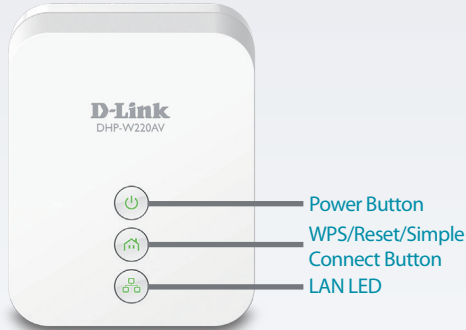
## Versatile Wired or Wireless Streaming

The DHP-W220AV is capable of delivering data transfer rates of up to 200 Mbps.<sup>2</sup> This fast transmission speed makes it suitable for smooth media streaming, VoIP calls, and lag-free online gaming. In addition, support for 802.11n means you can access the Internet and transfer your data wirelessly to your mobile, tablet, or laptop. Now you can experience high-quality multimedia streaming throughout your home to all of your devices, all through your existing electrical wiring.

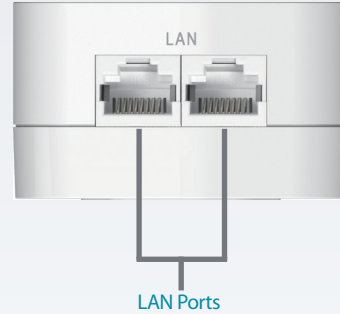
## Convenient Setup And Secure Operation

For convenience, the DHP-W220AV plugs directly into a power outlet, and does not require any additional cables. Extend your home network by connecting multiple devices in the farthest corners of your home, or attach a switch or wireless access point to the adapter for additional connectivity. Simply push the Wi-Fi Protected Setup button and connect your devices to your network securely. With hassle-free plug-and-play installation, the DHP-W220AV is an ideal solution to create a room-to-room home network.

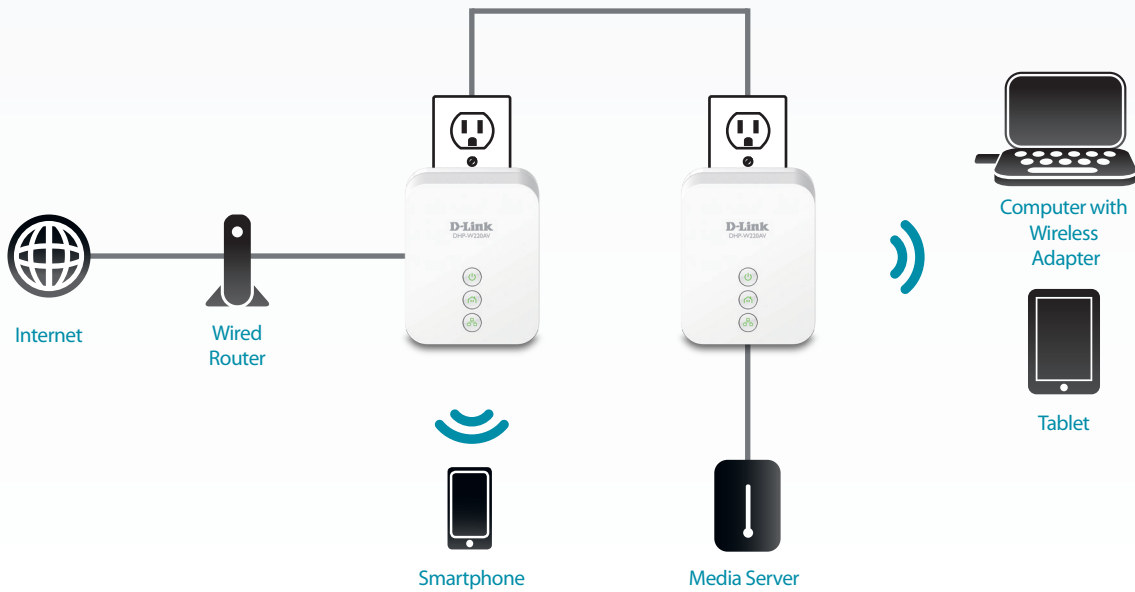
Front View



Bottom View



Your Network Setup



## Technical Specifications

### General

Powerline Interface	• One PLC interface compatible with HomePlug AV specification up to 200 Mbps
Ethernet Interfaces	• Two 10/100 Mbps Fast Ethernet LAN ports • Wireless N
Antenna	• One internal antenna

# DHP-W220AV PowerLine AV Wireless N150 Mini Extender

Functionality		
Standards	<ul style="list-style-type: none"> <li>• IEEE 802.11n</li> <li>• IEEE 802.11g</li> <li>• IEEE 802.11b</li> <li>• IEEE 802.3u</li> </ul>	<ul style="list-style-type: none"> <li>• IEEE 1901</li> <li>• HomePlug AV</li> </ul>
Security	<ul style="list-style-type: none"> <li>• 128-bit AES data encryption</li> </ul>	<ul style="list-style-type: none"> <li>• WEP/WPA/WPA2</li> </ul>
LEDs	<ul style="list-style-type: none"> <li>• Power</li> <li>• LAN</li> </ul>	<ul style="list-style-type: none"> <li>• Powerline</li> </ul>
Wireless Frequency Range	<ul style="list-style-type: none"> <li>• 2400 to 2497 MHz ISM band</li> </ul>	
Data Rate	<ul style="list-style-type: none"> <li>• Ethernet: 10/100 Mbps (auto negotiation)</li> <li>• WLAN: Up to 150 Mbps</li> </ul>	<ul style="list-style-type: none"> <li>• Powerline: Up to 200 Mbps</li> </ul>
Physical		
Dimensions	<ul style="list-style-type: none"> <li>• 73 x 58 x 37 mm (2.87 x 2.28 x 1.46 inches)</li> </ul>	
Weight	<ul style="list-style-type: none"> <li>• 96 grams (3.39 ounces)</li> </ul>	
Power	<ul style="list-style-type: none"> <li>• Input: 100 to 240 V AC, 50/60 Hz</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</li> <li>• FCC</li> </ul>	<ul style="list-style-type: none"> <li>• CE/LVD</li> <li>• UL</li> </ul>
Order Information		
<i>Part Number</i>	<i>Description</i>	
DHP-W220AV	PowerLine AV Wireless N150 Mini 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.

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