

## Product Highlights

### High-speed Connectivity over Electrical Wiring

Powerline AV+ gives you speeds of up to 500 Mbps, suitable for high-bandwidth activities like HD media streaming

### Easy to Set Up

Simply plug it in to create a fast network connection across your home without needing to install cables

### Keep Using Your Electrical Outlet

A built-in passthrough socket lets you plug in another device to use the power outlet



## DHP-P338AV

# Powerline AV+ 3-Port Passthrough Adapter

## Features

### Standards

- IEEE 802.3
- IEEE 802.3u
- Powerline interface compatible with IEEE 1901 and HomePlug AV

### Connectivity

- Three 10/100BASE-TX Ethernet Ports with auto MDI/MDIX that let you plug up to 3 wired devices for high-speed activities
- Powerline interface through power plug
- Passthrough socket enables you to plug an electrical device into the adapter while in use

### Security

- 128-bit AES Data Encryption for PLC Powerline
- Simple Connect Button to activate Powerline encryption

The DHP-P338AV Powerline AV+ 3-Port Passthrough Adapter, compliant with the HomePlug AV standard, uses your home's existing electrical wiring to create a network or extend your existing network.<sup>1</sup> It turns your power outlet into a network connection to access digital media devices, game consoles, print servers, computers, and network storage devices throughout your home.

## Ideal for Bandwidth-Intensive Applications

The DHP-P338AV features Powerline AV+, enabling it to deliver data at speeds of up to 500 Mbps, much higher than regular Powerline AV products. This rapid transmission speed makes it ideal for bandwidth-intensive applications, providing smooth HD video streaming, VoIP calls, and lag-free online gaming experiences. The DHP-P338AV also lets you connect up to 3 Ethernet devices to take advantage of its high speeds. It utilizes port-based Quality of Service (QoS) to set priorities for transmission through each Ethernet port.

## Convenient Setup and Secure Operation

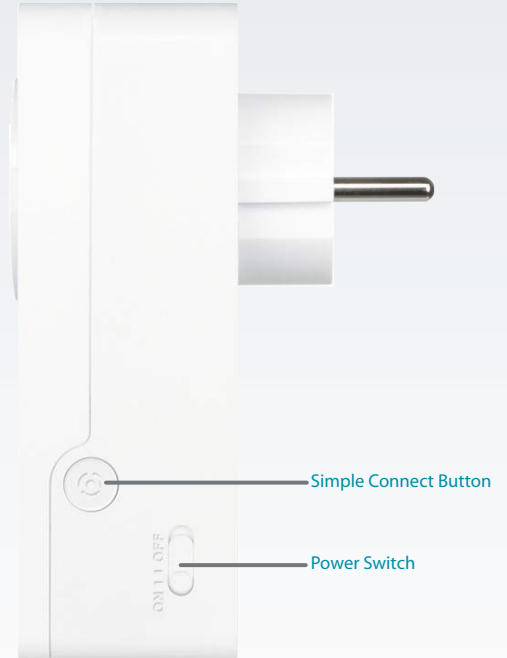
Setting up the DHP-P338AV is as simple as plugging it into a power outlet and connecting your device. The built-in Passthrough socket enables you to plug a device into the adapter to continue using the electrical outlet. The Passthrough socket features noise filtering which helps prevent signal noise from an electrical device plugged into the socket from affecting your Powerline connection. Extend your home network by connecting multiple devices in the farthest corners of your home, or for additional connectivity, attach a switch or wireless access point to the adapter. For convenient setup, you can quickly configure an encryption key with the simple push of a button. The adapter implements 128-bit AES data encryption to protect your network from unauthorized wiretapping. With hassle-free plug-and-play installation and easy security setup, the DHP-P338AV is an ideal solution for creating a wall-to-wall home network.

## Power-Saving

The DHP-P338AV incorporates an energy-saving mode to comply with the European Energy Using Product (EuP) Directive. If no data transmission or reception occurs over a certain period of time, the adapter will automatically go into sleep mode to save power, reducing power usage by more than 70% and allowing you to save energy automatically, without sacrificing performance. D-Link Green Technology allows switches to automatically detect the link status and reduce the power usage of idle ports.

## Extra Passthrough Power Socket

The DHP-P338AV also features an extra passthrough power socket to ensure that your electrical outlet remains available for use by an electrical device while the Powerline adapter is plugged into the socket.



## Technical Specifications

### General

Powerline Interface	• Power plug (country-dependent)	
Ethernet Interface	• Three 10/100BASE-TX Ethernet Ports with auto MDI/MDIX •	• RJ-45 Connector

### Functionality

Standards	• IEEE 802.3 • IEEE 802.3u	• HomePlug AV • IEEE 1901
Security	• 128-bit AES Data Encryption	
LEDs	• Power • Ethernet	• Powerline
Powerline Modulation Scheme	• OFDM Symbol Modulation	
Powerline Frequency Band	• 2-68 MHz	
Data Rate	• Powerline: Up to 500 Mbps (PHY rate) <sup>2</sup>	• Ethernet: 10/100 Mbps

### Physical

Dimensions	• 120.4 x 59.2 x 42.35 mm (4.74 x 2.33 x 1.67 inches)
------------	---

# DHP-P338AV Powerline AV+ 3-Port Passthrough Adapter

Weight	• 212 grams (0.47 lbs)	
Power	• Input: 100 to 240 V AC, 50/60 Hz	• Output: 5 V DC, 750 mA
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -20 to 65 °C (-4 to 149 °F)
Humidity	• Operating: 10% to 90% non-condensing	• Storage: 5% to 95% non-condensing
Certifications	• CE • FCC	• CE/LVD • UL
<b>Order Information</b>		
<i>Part Number</i>	<i>Description</i>	
DHP-P338AV	Powerline AV+ 3-Port 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> Powerline AV+ products are faster than Powerline AV products to provide better performance for users.

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.

Updated 2013/01/21