



PowerLine Network Router Starter Kit

High quality and performance connectivity for enhanced gaming, HD media streaming and super fast internet

Network connections to anywhere in your house

Combines wireless and wired connectivity using Ethernet and your home's existing electrical wiring²

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Instant Home Networking

The D-Link® PowerLine AV Network Starter Kit instantly transforms your home's existing electrical wiring into a high-speed network². Simply connect the DHP-1320 Wireless N PowerLine Router to your Internet connection and then connect to your power outlet to turn every other power outlet in your home into a possible network connection. Then plug the DHP-306AV adapter into an outlet in a different room to get a network connection. The DHP-306AV and DHP-1320 feature a security push button that enables secure transmission between devices.

The Convenience of Wi-Fi

The DHP-1320 is a Wireless N 300 router that provides a significantly faster and farther-reaching wireless signal than (outdated) Wireless G routers. D-Link's Intelligent Antenna Technology makes use of your home's environment by bouncing multiple wireless signals off of walls and ceilings to work around obstructions and help eliminate dead spots.

Faster Speeds

With speeds up to 200Mbps³, the PowerLine devices enable streaming of high definition video, lag-free gaming and faster access to large files within your network. The DHP-306AV and DHP-1320 include an energy saving feature that disables the PowerLine connection when there is no network activity, helping you save money as well as the environment.

Online Gaming

The PowerLine AV Network Starter Kit enables you to connect the DHP-306AV to gaming consoles like the Xbox 360®, Playstation® 3, or Nintendo Wii® to the Internet. The built-in Quality of Service (QoS) feature enables lag-free gaming.

Audio/Video Streaming

Ideal when streaming and recording media, the DHP-306AV can connect Ethernet-enabled digital media devices such as Tivo® or Slingbox® to your network and the Internet. The built-in QoS feature enables smooth video streaming.

Save Energy with D-Link Green

D-Link Green features for the DHP-1320 include Wi-Fi Scheduling, PLC power saving, and power saving by link status. Scheduled Wireless allows administrators to configure specific hours when the wireless network will be powered off to save energy and enhance security. PLC power saving shuts down the PowerLine function when no Ethernet activity or wireless connection is detected. Power saving by link status automatically detects the link status of wired devices and reduces the power usage of ports that are idle. A physical power button on the back of the router allows you to turn the device off without unplugging it.

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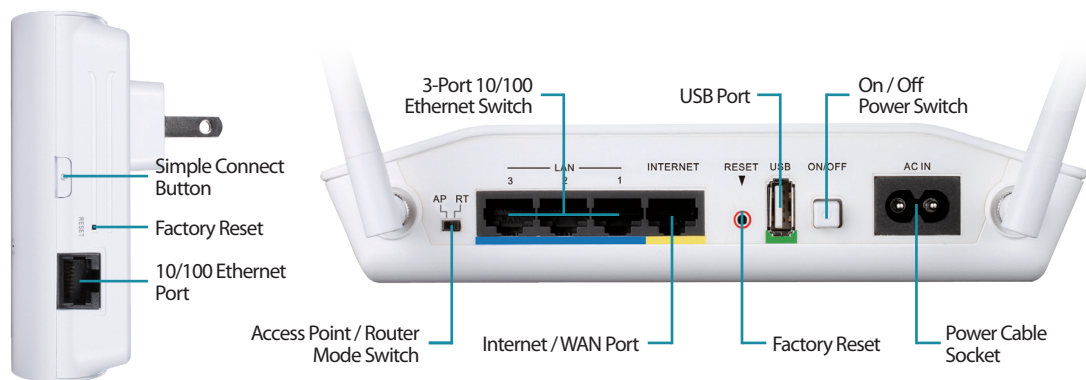
What This Product Does

With network data transfer rates of up to 200 Mbps³, the DHP-1321 allows you to connect computers, High-Definition TVs, networking devices, and gaming consoles using the most pervasive medium in your house - the electrical wiring. Share Internet connections and experience smooth file transfers, streaming multimedia, online gaming and more. The Wireless N PowerLine Router features easy plug-and-play installation and can be connected to any Ethernet or wireless enabled device.

Share Multifunction Printers and USB Storage

The SharePort™ Network USB Utility allows you to connect a multifunction printer to the USB port to share printing and scanning functions among family members. The USB SharePort also supports external hard drives and flash storage for sharing files across your home network.

Rear Product Features & Connection Diagram



Power Prongs will differ from image shown above

Technical Specifications

Minimum System Requirements

- Windows®, Macintosh, or Linux-based operating system
- CD-ROM drive
- Ethernet adapter
- Internet Explorer 6 or later, Firefox 3.0 or later, Safari 3.0 or later, or Google Chrome 2.0 or later

Device Management

- Web UI (DHP-1320)

Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n
- HomePlug AV

Ports

- 1 x WAN (RJ-45)
- 3 x LAN (RJ-45)
- 1 x USB 2.0

Data Rates*

- HomePlug AV: up to 200 Mbps³
- 802.11n: up to 300 Mbps¹

Wireless Frequency Range

- 2.4 GHz to 2.4835 GHz

Antennas

- 2 Fixed 2 dBi external antennas (DHP-1320)

Advanced Firewall Features

- Network Address Translation (NAT)
- Stateful Packet Inspection (SPI)
- VPN Pass-Through/Multi-Sessions
- PPTP/L2TP/IPSec

Security

- 64/128-bit WEP
- WPA & WPA2 (Wi-Fi Protected Access)

SharePort™ Function

- Allows connection of external hard drive or multifunction printer to USB port
- Allows sharing of HDD space, printing and scanning functions*

LED Status Indicators

DHP-1320:

- Power
 - WPS
 - Internet
 - Wireless
 - USB
 - Ethernet
 - Powerline
- DHP-306AV:
- Power
 - PowerLine
 - Ethernet

Power

- 100 V to 240 V

Power Consumption

- < 12 W

Dimensions (L x W x H)

- DHP-1320: 198 x 134 x 41.9 mm
- DHP-306AV: 100 x 70 x 34 mm

Weight

- DHP-1320: 465.5 g
- DHP-306AV: 126 g

Operating Temperature

- 0 to 40 °C

Storage Temperature

- -20 to 65 °C

Operating Humidity

- 10% to 90%

Storage Humidity

- 5% to 95%

Certifications

- FCC
- UL
- CE
- Wi-Fi
- IPv6

Additional PowerLine AV Products:

- DHP-306AV Network Adapter
- DHP-307AV Network Starter Kit
- DHP-W306AV Wireless N Extender
- DHP-346AV 4-Port Switch
- DHP-1320 Wireless N Router

<http://powerline.dlink.com.au>

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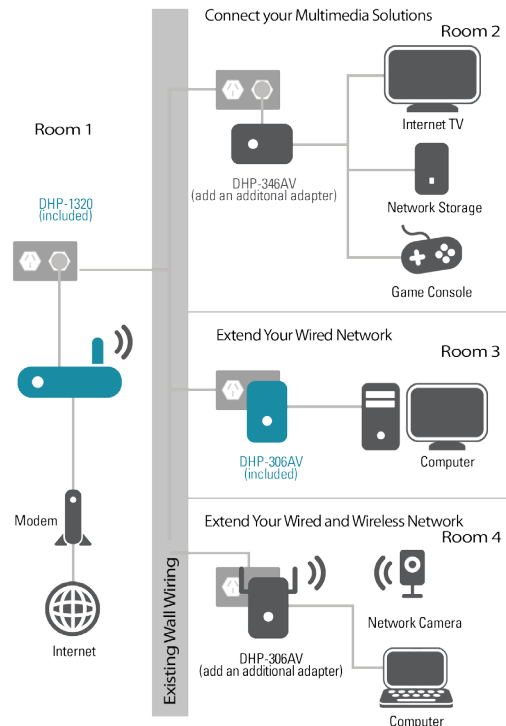
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¹Maximum wireless signal rate derived from IEEE Standard 802.11 specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, 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. Maximum throughput based on D-Link's 802.11n devices. ²Power outlets and electrical wiring must all be part of the same electrical system. Certain electrical conditions in your home, such as wiring conditions and configuration may affect the performance of this product. A minimum of two D-Link PowerLine AV Network Adapters 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 adapter directly into a power outlet. ³Maximum throughput 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, short wave radios, or other powerline devices that do not follow the HomePlug Powerline Alliance standard. ⁴Computer must adhere to Microsoft's recommended system requirements. ⁵Software included is not Mac-compatible. ⁶24/7 Technical Support available only in Australia and New Zealand. ⁷1-Year Limited Warranty available only in Australia and New Zealand.

All references to speed are for comparison purposes only. Product specification, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted on the package. See inside package for warranty details. D-Link PowerLine AV Network Adapters (DHP-W306AV, DHP-306AV, DHP-307AV) may coexist within but are not compatible or interoperable with D-Link PowerLine HD Ethernet Adapters (DHP-302, DHP-303). This product is designed for use in Australia and New Zealand. Use of this product in other countries might violate local laws. Latest documentation is available at <http://support.dlink.com.au>.

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