



## POWERLINE HD ETHERNET ADAPTER

### **RAPID SPEED OVER ELECTRICAL WIRES**

Up to 200Mbps speed over home's electrical wires suitable for high bandwidth Internet applications

### **QUALITY OF SERVICE**

Prioritized traffic for smooth streaming multimedia, online games, VoIP calls

### **SECURITY MADE EASY**

Data encryption to keep out intruders in the building and easy Net ID configuration through push button



### **DATA TRANSMISSION OVER ELECTRICAL WIRES**

The D-Link DHP-302 Powerline HD Ethernet adapter uses your home's existing electrical wiring to create a home network or extend your existing network.<sup>1</sup> It turns every power outlet into a possible network connection to connect digital media devices, game consoles, print servers, computers and network storage devices throughout your home.

### **IDEAL FOR BANDWIDTH INTENSIVE APPLICATIONS**

The DHP-302 is capable of delivering data transfer rates of up to 200Mbps.<sup>2</sup> This rapid transmission speed makes it ideal for bandwidth intensive applications, guaranteeing smooth HD video streaming, VoIP calls and lag-free online gaming experiences. In addition, it prioritizes Internet traffic, ensuring that multimedia applications do not experience glitches while web surfing and file downloads are running. This device provides ample network bandwidth, enabling digital home consumers to tap into existing electrical wiring for high quality multimedia streaming.

### **CONVENIENT CONNECTION AND SECURE OPERATION**

The DHP-302 plugs directly into a wall outlet, without requiring additional cables. Extend your home network by connecting multiple devices in the farthest corners of your home by attaching a switch or wireless access point to the adapter. For convenient setup, network ID on the device is quickly configured with the push of a button. The adapter implements 3DES data encryption to protect a home network from wire tapping by intruders in the same building. With hassle-free plug and play installation, the DHP-302 is an ideal solution to create a wall-to-wall home network.

### **POWER SAVING FEATURE**

The DHP-302 is designed with a power saving mode. If no data transmission or reception occurs over a certain period of time, the adapter will be automatically set in the sleep mode to save power.

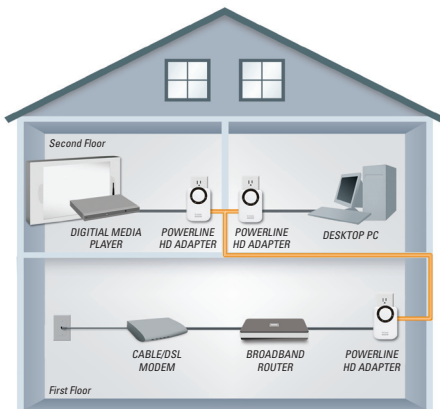
#### WHAT THIS PRODUCT DOES

With up to 200Mbps network data transfer rate, the DHP-302 allows you to connect devices such as computers, High-Definition TV, networking devices and gaming consoles through the most pervasive medium in your house - the electrical wires - and share Internet connections as well as experience smooth file transfers, media streaming, online gaming and more. This Powerline HD Ethernet adapter features easy plug-and-play installation and can be attached to any Ethernet-enabled device.

#### FAST TRANSMISSION ON HOME POWERLINE

The DHP-302 Powerline HD Ethernet adapter uses the latest technology to deliver up to 200Mbps wired speed over a home's existing electrical wires. This fast transmission speed provides ample bandwidth that is suitable for streaming high-quality video HDTV signals, while simultaneously providing high-speed Internet access throughout an entire home. With QoS support, this adapter does not compromise applications with real-time requirements, such as VoIP phone calls and multiplayer online games, while allowing you to enjoy Internet TV and music in your living room.

#### YOUR NETWORK SETUP



**Power Prongs (Country Dependent)**  
Connects to AC Wall Outlet

**RJ-45 10/100BASE-TX Ethernet Port**

Connects to Digital Media Devices, PCs, Game Consoles, Network Storage Devices

### TECHNICAL SPECIFICATIONS

#### STANDARDS

- + IEEE 802.3
- + IEEE 802.3u

#### POWERLINE INTERFACE

- + Power prongs (country-dependent)

#### ETHERNET INTERFACE

- + 10/100BASE-TX Ethernet Port with auto MDI/MDIX
- + RJ-45 Connector

#### POWERLINE MODULATION SCHEME

OFDM Symbol Modulation

#### POWERLINE FREQUENCY BAND

2MHz to 32MHz

#### DATA RATE

- + Powerline: 200Mbps (PHY rate)
- + Ethernet: 10/100Mbps (auto-negotiation)

#### QoS

- + 802.1P Priority Queues standard

#### SECURITY

- + 3DES data encryption
- + Net ID

#### MINIMUM SYSTEM REQUIREMENTS

- (For PC Utility Software)
- + PC with 200MHz processor
- + 64MB memory
- + Windows Vista, XP SP2 or 2000 SP4
- + Ethernet interface (100Mbps)

#### LEDs

- + Power
- + AP
- + Ethernet
- + Throughput

#### POWER INPUT

100 to 240 VAC, 50/60Hz

#### POWER CONSUMPTION

- + Power saving mode supported

#### DIMENSIONS

99 x 74 x 61 mm (3.9" x 2.9" x 2.4")

#### WEIGHT

136 grams (0.3 lb)

#### OPERATING TEMPERATURE

0° to 40° C (30° to 104° F)

#### STORAGE TEMPERATURE

-20° to 70° C (-4° to 158° F)

#### STORAGE HUMIDITY

10% to 95% non-condensing

#### EMC CERTIFICATION

- + FCC Part 15 Class B
- + CE Class B

#### SAFETY CERTIFICATION

- + UL

<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 HD adapters required to add new devices to the network. A minimum of two D-Link Powerline HD Ethernet 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 wall outlet.

<sup>2</sup> Maximum 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 or a touch-sensitive on/off feature, short wave radios, or other Powerline devices that do not follow the Universal Powerline Association (UPA) standard.



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