POWERLINE AV NETWORK ADAPTER

QUALITY OF SERVICE
Prioritized traffic for smooth streaming multimedia, online games, and VoIP calls

RAPID SPEEDS OVER ELECTRICAL WIRING
Speeds of up to 200 Mbps over home electrical wiring, suitable for high bandwidth Internet applications

SECURITY MADE EASY
Data encryption is quickly configured with the push of a button to keep intruders out

DATA TRANSMISSION OVER ELECTRICAL WIRING
The D-Link DHP-306AV Powerline AV Network Adapter, compliant with the HomePlug AV standard, uses your home's existing electrical wiring to create a network or extend your existing network.[1] It 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.

IDEAL FOR BANDWIDTH-INTENSIVE APPLICATIONS
The DHP-306AV is capable of delivering data transfer rates of up to 200 Mbps.[2] 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 downloads are in progress. This device provides ample network bandwidth, enabling digital home consumers to tap into existing electrical wiring for high-quality multimedia streaming.

CONVENIENT SETUP AND SECURE OPERATION
The DHP-306AV 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. For convenient setup, an encryption key can be quickly configured with the push of a button. The adapter implements 128-bit AES data encryption to protect the network from unauthorized wire tapping. With hassle-free plug and play installation, the DHP-306AV is an ideal solution to create a wall-to-wall home network.
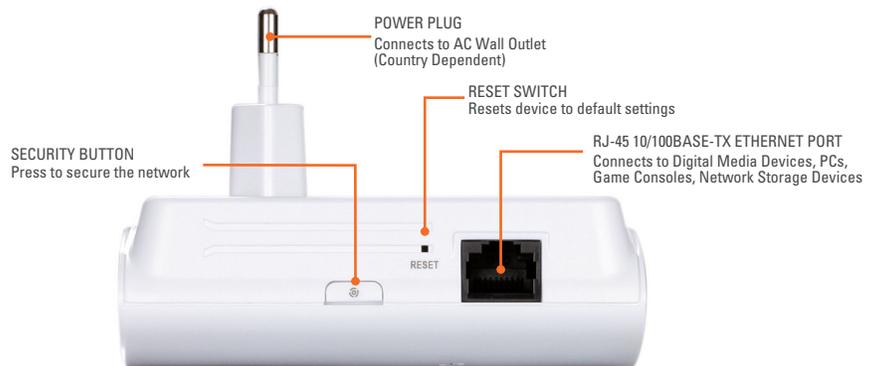
POWER SAVING FEATURE
The DHP-306AV incorporates a power saving mode to comply with the European Energy Using Product (EuP) Directive. If no data transmission or reception occurs over a certain period of time, the adapter will automatically go into sleep mode to save power.

WHAT THIS PRODUCT DOES

With network data transfer rates of up to 200 Mbps, the DHP-306AV 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 Powerline AV Network Adapter features easy plug-and-play installation and can be connected to any Ethernet-enabled device.

FAST TRANSMISSION USING YOUR HOME'S EXISTING WIRING

The Powerline AV Network Adapter incorporates the latest technology to deliver up to 200 Mbps over a home's existing electrical wiring. This fast transmission speed provides ample bandwidth suitable for streaming high-quality video HDTV signals while simultaneously providing high-speed Internet access throughout the home. With Quality of Service (QoS) support, the performance of applications which require real-time communication, such as VoIP phone calls and multiplayer online games, will not be compromised even while downloading Internet TV and music.

POWER PLUG
Connects to AC Wall Outlet
(Country Dependent)

RESET SWITCH
Resets device to default settings

RJ-45 10/100BASE-TX ETHERNET PORT
Connects to Digital Media Devices, PCs, Game Consoles, Network Storage Devices

SECURITY BUTTON
Press to secure the network

RESET

TECHNICAL SPECIFICATIONS

STANDARDS
- IEEE 802.3
- IEEE 802.3u
- HomePlug AV

POWERLINE INTERFACE
- Power plug (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 30MHz

DATA RATE
- Powerline: 200Mbps (PHY rate)
- Ethernet: 10/100Mbps (autonegotiation)

QoS
- Integrated QoS prioritizes media and data

SECURITY
- 128-bit AES Data Encryption

MINIMUM SYSTEM REQUIREMENTS (FOR PC UTILITY SOFTWARE)
- PC with 200 MHz processor
- 64MB memory
- Windows 7, Vista, XP SP2 or 2000 SP4
- Ethernet interface (100Mbps)

LEDS
- Power
- Powerline
- Ethernet

POWER INPUT
- 100 to 240 VAC, 50/60Hz

POWER SAVING
- Power saving mode supported
- Compliant with European Energy Using Product Directive

DIMENSIONS
- 100 x 70 x 34 mm

WEIGHT
- 126 g (0.3 lb)

OPERATING TEMPERATURE
- 0º to 40º C (30º to 104º F)

OPERATING HUMIDITY
- 10% to 95% non-condensing

EMC CERTIFICATION
- FCC Part 15 Class B
- CE EMC Class B

SAFETY CERTIFICATION
- UL
- CE LVD

[1] 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 adapters are required to add new devices to the network. 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 the adapter directly into a wall outlet.

[2] 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 HomePlug AV standard.

dlink green FCC CE