POWERLINE AV 500 ADAPTER STARTER KIT

Ready to use – simply plug into existing power outlets[2]	Blazing speeds – up to 500Mbps[1] over your existing electrical wiring[2]	Safe, secure connection with the push of a button

CREATE OR EXTEND YOUR HOME NETWORK THROUGH ELECTICAL OUTLETS

The D-Link PowerLine AV 500 Adapter Starter Kit comes with 2 PowerLine AV 500 Adapters (DHP-500AV). The PowerLine AV 500 Adapter (DHP-500AV) turns any electrical outlet into a home network connection to provide fast, reliable speeds of up to 500Mbps[1] to any room in your house. Since it is compliant with the HomePlug AV standard, you can use it to extend an existing PowerLine network[2], or simply create a new one. It turns every power outlet into a possible network connection so you can access digital media devices, game consoles, print servers, computers and network storage devices from any room in your home. Simply connect one adapter to an existing power outlet[2], connect it to your home network router, and plug another adapter to any other room in your house to get instant shared network connections.

HD MOVIES AND MORE STREAMED THROUGHOUT YOUR HOME

Blazing speeds and a gigabit port provides smooth HD video streaming, along with the added benefit of having connectivity from any room in the house, makes the PowerLine AV 500 Adapter ideal for high-bandwidth network-ready devices such as the Boxee Box by D-Link, Blu-Ray Players, Xbox 360®, or Playstation® 3. In addition, the built-in Quality of Service (QoS) engine automatically prioritizes your internet traffic, ensuring that your HD movies and online gaming do not experience glitches while web surfing and downloads are in progress. This device provides plenty of network bandwidth, enabling you to tap into existing electrical wiring for high-quality multimedia streaming.

SECURITY AT THE TOUCH OF A BUTTON

The PowerLine AV 500 Adapter plugs directly into a power outlet[2], and does not require any additional cables. Extend your home network by connecting multiple devices in the farthest corners of your home via Ethernet cable. Setting up a secure connection is quick and easy. Once the adapters are plugged in, press the button on each device to sync up with the other to establish a safe, secure network connection. The adapter uses 128-bit AES   encryption to protect the network from unauthorized wire tapping. With hassle-free plug and play installation, the DHP-500AV is an ideal solution to create a wall-to-wall home network.

DHP-500AV / DHP-501AV

YOUR NETWORK SETUP

FEATURES

+ Gigabit port for connecting high speed devices
+ Up to 500Mbps Throughput[1]
+ Uses Your Home's Existing Electrical Wiring[2] by plugging into existing power outlets
+ Power Saving Mode
+ Backward Compatible with HomePlug AV devices
+ Simply connect button
+ Supports 128-bit AES Encryption For PowerLine Network Security
+ Plug & Play Installation
+ QoS Support Helps Prioritize Internet Traffic
+ 24/7 Basic Installation Support[3]
+ 1-Year Limited Warranty[4]

THINK GREEN

D-Link Green™ devices are about providing eco-friendly alternatives without compromising performance. They are designed to help conserve energy, protect our environment from harmful substances, and reduce waste by using recyclable packaging. To learn more, visit www.dlinkgreen.com.

D-LINK GREEN™ TECHNOLOGY

+ Goes into power saving mode when no data link is detected after 5 minutes
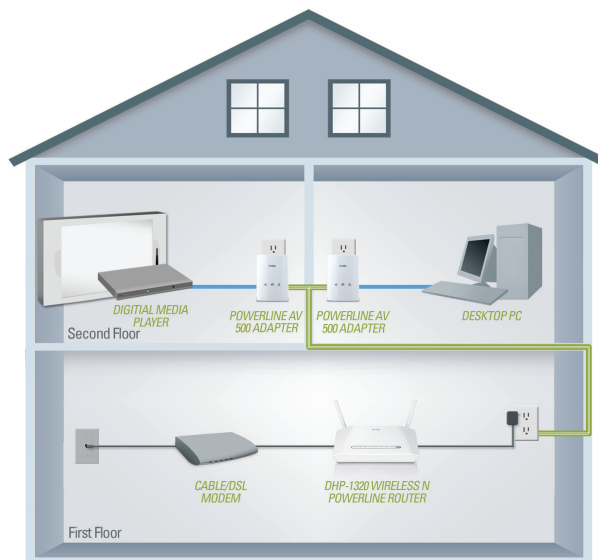
PROTECTING THE ENVIRONMENT

+ Complies with the European Union's RoHS directive that restricts the use of certain hazardous materials
+ Uses soy ink and recyclable packaging to help reduce waste that goes into the environment

DIGITAL MEDIA PLAYER
POWERLINE AV 500 ADAPTER
POWERLINE AV 500 ADAPTER
DESKTOP PC
Second Floor
CABLE/DSL MODEM
DHP-1320 WIRELESS N POWERLINE ROUTER
First Floor

A MINIMUM OF TWO D-LINK POWERLINE AV ETHERNET ADAPTERS ARE REQUIRED TO CREATE A NETWORK. D-LINK POWERLINE AV ETHERNET ADAPTERS (DHP-W306AV, DHP-306AV, DHP-307AV) MAY COEXIST, BUT ARE NOT COMPATIBLE OR INTEROPERABLE, WITH D-LINK POWERLINE HD ETHERNET ADAPTERS (DHP-302, DHP-303).

TECHNICAL SPECIFICATIONS

STANDARDS
+ IEEE 802.3
+ IEEE 802.3u
+ Compatible with IEEE 1901
+ HomePlug AV

ETHERNET INTERFACE
+ 10/100/1000 Base-TX Gigabit Ethernet Port with Auto MDI/MDIX
+ RJ-45 Connector

MAXIMUM PHY RATE
+ 500 Mbps[1]

POWERLINE FREQUENCY BAND
+ 2MHz to 68zMHz

QOS
+ Intergrated QoS prioritizes media and data

SECURITY
+ 128-bit AES encryption

LEDS
+ Power
+ Powerline
+ Ethernet

POWER INPUT
+ 100 ~ 240V AC, 50/60 Hz

OPERATING TEMPERATURE
+ 30° to 104° F (0° to 40° C)

OPERATING HUMIDITY
+ 10% to 90% non-condensing

CERTIFICATIONS
+ CE EMC Class B
+ FCC Part 15 Class B
+ UL
+ CE LVD

DIMENSIONS
+ 3.9" x 2.8" x 2.1" (100mm x 70mm x 53mm)

WEIGHT
+ 0.3lbs (150 g)

WARRANTY
+ 1-Year Warranty

[1] 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, short wave radios, or other powerline devices that do not follow the HomePlug Powerline Alliance standard.
[2] Power 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 effect 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.
[3] 24/7 Basic Installation Support is available only in the USA for the first 30 days from date of original purchase.
[4] 1-Year Limited Warranty available only in the USA and Canada.
[5] Latest Software and Documentation available at http://support.dlink.com.
[6] Computer must adhere to Microsoft's recommended system requirements.

Product specifications, 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 PoweLine AV 500 Adapters (DHP-500AV) may coexist with but are not compatible or interoperable with D-Link PowerLine HD Ethernet Kit (DHP-301) or D-Link PowerLine HD Network Starter Kit (DHP-303). This product is designed for use in the USA and Canada. Use of this product in other countries might violate local laws.

HOMEPLUG CERTIFIED AV

POWERLINE AV

MINIMUM REQUIREMENTS
For Configuration Utility, Computer with:
+ 233MHz Processor
+ 10MB Disk Space
+ 64MB RAM
+ CD-ROM Drive
+ Network Interface Card
+ Windows® 7®, Windows Vista®®, Windows® XP SP2®, or Mac OSX® (v10.4)
+ Internet Explorer® v6 or Mozilla® Firefox® v3.0

Power Range:
+ 100–240VAC, 50/60Hz
For Internet Access:
+ Cable or DSL Modem
+ Router
+ Subscription with an Internet Service Provider (ISP)
For Network:
+ Two or more PowerLine AV Adapters

PACKAGE CONTENTS
DHP-500AV:
+ 1 PowerLine AV 500 Adapter
+ 1 Ethernet Cable
+ CD-ROM®
+ Quick Install Guide
DHP-501 – Starter Kit:
+ 2 PowerLine AV 500 Adapter
+ 2 Ethernet Cable
+ CD-ROM®
+ Quick Install Guide