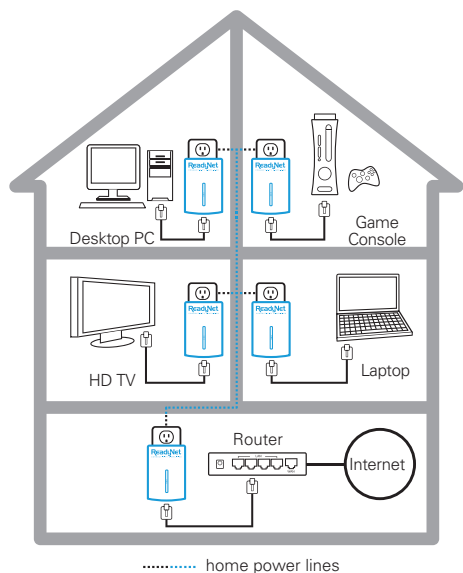# Fast, Reliable Connection that is Quick and Simple - Just Plug It in!

Extend your High Speed Internet and HD Video network throughout your home with this Plug-and-Play kit from ReadyNet. Simply attach one adapter to your Internet or Video access point with the included Ethernet cable and plug into a wall outlet. Then plug the other adapter into a wall outlet near your HDTV, game console or computer. Connect with the included Ethernet cable to enjoy High Speed Internet and/or HD quality video wherever you want it. Easy to install, world class secure encryption and state of the art technology ensures reliable, jitter-free enjoyment anywhere in your home.

FEATURES

- Plug-and-Play installation
- Up to 200Mbps bandwidth over standard home AC wiring
- HomePlug signal easily passes through circuit breakers
- 128-bit AES encryption ensures data security
- Encryption completed by hardware without sacrifice to bandwidth
- Each adapter includes 1 IEEE 802.3 computer Ethernet port
- HomePlug Powerline Specification 2.0-compliant
- Contains 2 Adapters, 2 Ethernet cables, and installation CD

BENEFITS

- More economical than a CAT 5 cable drop (national average of $75 per drop)
- Quicker install time (2 hr CAT 5 drop vs. 10 minute adapter install) -more installs a day
- Compatible with 95% of standard wire homes
- Lower up front cost and recoverable asset
- Private Label opportunities promote name recognition

Desktop PC · Game Console · HD TV · Laptop · Router · Internet

·········· home power lines

GENERAL SPECIFICATIONS

Main Chipset
Atheros AR6400

Computer Interface
IEEE802.3
IEEE802.3u

Standards
HomePlug AV

Network Interface
One RJ-45 (10/100Base-T Ethernet)
One 200Mbps power line port supporting
co-existence with HomePlug 1.0 (14/85Mbps)

Security
128-bit AES link encryption with key management

Data PHY Rate
200 Mbps over Powerline and 10/100Mbps
over Ethernet

Modulation Schemes
OFDM symbol modulation on line synchronization
1024/256/64/16/8 - QAM, QPSK, BPSK, ROBO
carrier modulation

Frequency Band 2 ~ 28 Mhz
 2 ~ 28 Mhz

Additional Protocols
Mix of TDMA and CSMA/CA channel access
scheme; CO device generates a periodic beacon
carrier for channel access scheme

Operation Range
Estimated range of 300 meters in wall power lines

Cabling
100Base-T; Cat. 5 UTP cable

Operating Temperature
0°C to 40°C ambient temperature

Storage Temperature
 -20°C to 70°C ambient temperature

Humidity
10 to 90% maximum (non-condensing)

Power Input
100 ~ 240V @ 50/60Hz internal

Power Connector
Embedded US / EU / UK / AU specifications

Housing
Plastic (98mm x 63mm x 28mm)

Software Utility
Device detect/diagnostic, NEK password setup for local
and remote device Windows 98 SE, ME, 2000, NT, XP,
Vista, or 7 for initial setup (optional)

Status Lights
Power: on / off
PLC link: red / orange / green / off
Ethernet link: solid / blinking / off

Certifications
HomePlug AV Powerline

SYSTEM REQUIREMENTS

At least 2 HomePlug devices

Available Ethernet port on each computer or network device

Available power outlet

WARRANTY

1 Year Limited Product Warranty