



# XE102

## Wall-Plugged Ethernet Bridge

### Turns Any Electrical Outlet into a Home Network Connection

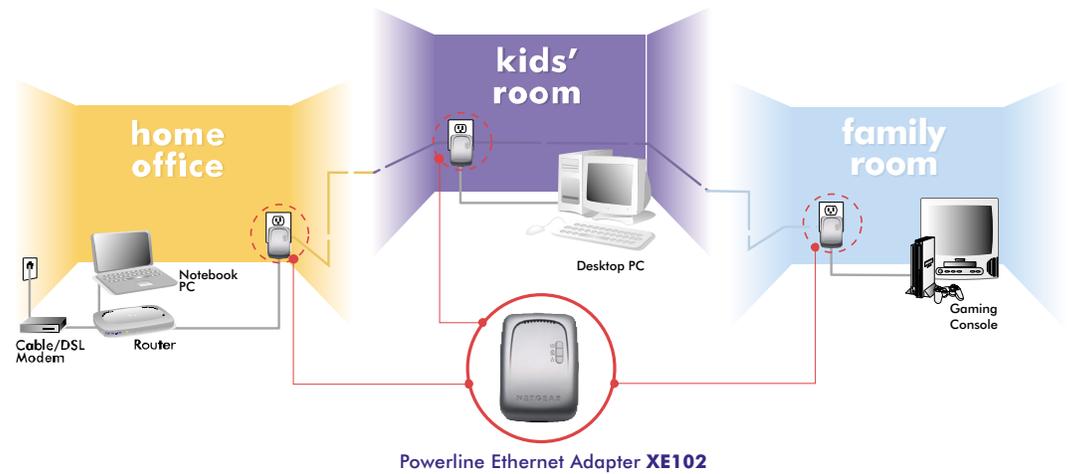
- *Help is there when you need it! NETGEAR provides, 24x7 telephone and e-mail technical support in English, with selected local language support during office hours.*

- For a truly simple way to bring the Internet to any room in your home, look no further than NETGEAR's Wall-Plugged Ethernet Bridge. It plugs into an electrical outlet and uses your existing electrical wiring to give your entire household access to your Cable/DSL connection. With no expensive new wiring or cabling to install, your family can surf the Web, participate in online gaming, send and receive e-mail, and share files and printers, all from different rooms at the same time. Uncomplicated and very quick to install, it plugs right into a wall outlet, reducing clutter and saving valuable desk space. Designed for ease of use, it has new, easy-to-read icon LEDs, and protects your network communications from eavesdroppers and hackers, while not increasing your electricity bill.

- Effortless** ● Networks your PCs and shares a Cable/DSL Internet connection using existing 110V electrical outlets in your home. Automatic rate adaption chooses the best data rate depending on the level of interference caused by other electrical appliances. Compatible with 10 Mbps or 10/100 Mbps Ethernet products, and it also works seamlessly with NETGEAR Cable/DSL routers.

- Ideal** ● Boasts Ethernet-like data rates of up to 14 Mbps. Works across multiple phases and circuit breakers to provide complete coverage in your home. Ensures privacy and security over the Powerline network with 56-Bit Data Encryption Standard (DES).

- Conventional** ● Saves both time and money, since there's no expensive new wiring to install or modify. Plugs directly into your wall outlets, preserving valuable desk space, and works with two- and three-prong standard 110 volt electrical outlets. Allows you to remotely connect popular gaming consoles to your cable/DSL Internet connection, and features distinctive status LEDs.



Powerline Ethernet Adapter XE102

### Technical Specifications

- **Network Ports:**
  - One 10BASE-T Ethernet port
  - One 14 Mbps Powerline port
- **Network Interface:**
  - RJ-45 (10BASE-T Ethernet)
  - Electrical plug (Powerline Ethernet)
- **Performance Standards:**
  - 10 Mbps 10BASE-T
  - 14 Mbps HomePlug 1.0 compatible
- **Powerline Standards:**
  - HomePlug compatible
- **Ethernet Standards Compliance:**
  - HomePlug
- **Ethernet Standards Compliance:**
  - IEEE 802.3 10BASE-T Ethernet
- **Modulation Schemes:**
  - OFDM Symbol Modulation DQPSK, DBPSK, ROBO Carrier Modulation
- **Frequency Band:**
  - 4.3 MHz - 20.9 MHz
- **Additional Protocols:**
  - Forward Error Correction (FEC)
  - Automatic channel adaptation
- **Power Supply:**
  - 85 to 135v @ 60 Hz Internal
- **LEDs:**
  - Unit: Power
  - Powerline: Link
  - Ethernet: Link/Activity
- **Dimensions:**
  - Size: 99.4 x 46.6 x 73 mm (3.92 x 1.84 x 2.88 in)
  - Weight: 224 g (7.9 oz)

### Environmental Specifications:

- Operating temperature: 0° C to 40° C (32 to 104° F)
- Operating relative humidity: 10% to 90% (noncondensing)

### Electromagnetic Emissions:

- FCC Part 15 Class B

### Power and Safety Regulations:

- U/L Certified

### Typical Coverage:

- Up to 5000 square foot home

### Warranty:

- 3 year warranty

### Package Contents

- XE102 Wall-Plugged Ethernet Bridge
- 6 ft (1.83) Ethernet cable
- Installation guide
- Resource CD
- Warranty card
- Support information card

### System Requirements

- To enable encryption: Windows® 98, ME, 2000 and XP
- For device connection: Available RJ-45 Ethernet Port

### Complimentary Products

- NETGEAR Routers (RP614, MR814, FR114P)
- NETGEAR Ethernet Adapters (FA311, FA511, FA120)

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