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NETGEAR XET1001

NETGEAR XET1001 85Mbps Powerline Network Adapter Instruction Manual

Model: XET1001

1. Introduction

The NETGEAR XET1001 85Mbps Powerline Network Adapter provides a method to extend your home network using existing electrical wiring. This device allows for network connectivity in areas where wireless signals may be weak or where running new Ethernet cables is impractical. It is designed for simple setup and secure data transmission.

2. Package Contents

Verify that your package contains the following items:

- NETGEAR XET1001 Powerline Adapter
- Ethernet Cable
- Installation Guide
- Setup CD (may contain drivers or utility software)
- Warranty Card
- Support and Information Card

3. Setup Instructions

To establish a network connection using Powerline technology, a minimum of two NETGEAR XET1001 adapters is required. One adapter connects to your router, and the other connects to the device you wish to network.

1. **Connect the First Adapter:** Plug one XET1001 adapter directly into an available electrical wall outlet near your internet router. Avoid using power strips or surge protectors, as these can interfere with Powerline signal transmission.
2. **Connect to Router:** Use an Ethernet cable to connect the XET1001 adapter to an available LAN port on your internet router.
3. **Connect the Second Adapter:** Plug the second XET1001 adapter directly into an electrical wall outlet near the device you want to connect to the network (e.g., computer, game console, network storage device).
4. **Connect to Device:** Use an Ethernet cable to connect the second XET1001 adapter to the Ethernet port of your

target device.

5. **Verify Connection:** Once both adapters are powered on and connected, the Powerline LED (house icon) on both adapters should illuminate, indicating a successful Powerline network connection. The Ethernet LED should also light up when a device is connected.



Image: The NETGEAR XET1001 Powerline Network Adapter, showing its compact design, Ethernet port, and power prongs for direct wall outlet connection. The front features three indicator LEDs for power, network status, and Ethernet activity.

The XET1001 is designed for plug-and-play operation, requiring no software installation or complex configuration. Data transmitted over the Powerline network is encrypted for security.

4. Operating the Device

The NETGEAR XET1001 operates by converting Ethernet signals into electrical signals that can travel over your home's electrical wiring, and then converting them back to Ethernet at the receiving end. This allows for a wired network connection without the need for new cabling.

LED Indicators

The XET1001 features three LED indicators on its front panel to provide status information:

- **Power LED ( ):**
  - **Solid Green:** Device is powered on.
  - **Off:** Device is not powered on.
- **Powerline LED (⌂):**
  - **Solid Green:** Powerline network connection is established.
  - **Flashing Green:** Data is being transmitted over the Powerline network.
  - **Off:** No Powerline network connection detected.
- **Ethernet LED (↔):**
  - **Solid Green:** An Ethernet device is connected and active.
  - **Flashing Green:** Data is being transmitted over the Ethernet connection.
  - **Off:** No Ethernet device is connected or the connection is inactive.

5. Technical Specifications

Feature	Detail
Model Number	XET1001
Data Transfer Rate (Powerline)	Up to 85 Mbps
Data Transfer Rate (Ethernet)	10/100 Mbps Fast Ethernet
Hardware Interface	Ethernet
Compatibility	HomePlug 1.0 compliant (e.g., NETGEAR XE104, XEPS103, XE102, WGXB102)
Security	Data Encryption
Dimensions (WxHxD)	1.6 x 2.8 x 3.9 inches (approximate)
Item Weight	5.1 ounces
Color	White
UPC	606449057546, 606449065251

6. Troubleshooting

If you encounter issues with your NETGEAR XET1001 Powerline Network Adapter, consider the following troubleshooting steps:

- **No Powerline Connection (Powerline LED Off):**
  - Ensure both XET1001 adapters are plugged directly into wall outlets, not power strips or surge protectors.
  - Verify that both adapters are on the same electrical circuit within your home. Powerline performance can be affected by different circuits or older/noisy electrical wiring.
  - Try plugging the adapters into different outlets to rule out a faulty outlet.
- **No Ethernet Connection (Ethernet LED Off):**
  - Check that the Ethernet cables are securely connected to both the XET1001 adapter and your router/device.
  - Ensure the connected device (computer, game console) is powered on and its Ethernet port is active.
  - Try a different Ethernet cable to rule out a faulty cable.
- **Slow Network Speed:**
  - Powerline speeds can vary significantly based on the quality and age of your home's electrical wiring, distance between adapters, and electrical interference.
  - Avoid plugging adapters into outlets that share a circuit with high-power appliances (e.g., refrigerators, washing machines).
  - Ensure adapters are not connected via power strips or surge protectors.
  - Consider the physical distance between the two adapters; shorter distances generally yield better performance.
- **Intermittent Connection:**
  - Electrical noise on your home's power lines can cause intermittent connections. Try isolating the adapters from other electrical devices.
  - Ensure the adapters are firmly seated in their wall outlets.

7. Maintenance

The NETGEAR XET1001 Powerline Network Adapter requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the adapter. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the adapter's ventilation holes are not blocked to prevent overheating.
- **Environment:** Operate the device within its specified temperature and humidity ranges. Avoid extreme temperatures or damp environments.

8. Warranty and Support

The NETGEAR XET1001 Powerline Network Adapter is backed by a one-year warranty from the date of purchase. Please refer to the included warranty card for detailed terms and conditions.
For technical support, product registration, or to access the latest documentation and software, please visit the official NETGEAR support website.
NETGEAR Support Website

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