Manuals+

Q & A | Deep Search | Upload

Digicom PL502E-A02

Digicom PL502E-A02 500 Mbps Powerline Adapter Kit User Manual

Model: PL502E-A02 (8E4526)

Introduction

The Digicom PL502E-A02 Powerline Adapter Kit allows you to extend your internet network using your home's existing electrical wiring. This kit includes two Powerline adapters, enabling you to create a stable and high-speed wired connection in any room with a power outlet, without the need for new network cables.

These adapters support data transfer rates up to 500 Mbps and are compliant with IEEE 802.3 and IEEE 802.3u network standards, offering Fast Ethernet connectivity. They feature 128-bit AES encryption for secure communication.

Image: Two Digicom PowerLAN 500ES Powerline adapters, front view, showing LED indicators and Ethernet ports.

Package Contents

- 2 x Digicom PL502E-A02 Powerline Adapters
- 2 x Ethernet (RJ-45) Cables
- User Manual (this document)

Image: The retail packaging for the Digicom Powerline Adapter Kit, displaying the two white adapters and key features.

Setup Instructions

Follow these steps to set up your Digicom Powerline network:

1. Connect the First Adapter

1. Plug one Digicom Powerline adapter directly into a wall power outlet near your internet router. Avoid power strips or extension cords, as they can interfere with performance.
2. Connect one end of an Ethernet cable to the Ethernet port on the Powerline adapter.
3. Connect the other end of the Ethernet cable to an available LAN port on your internet router.
4. Wait for the Power LED and Powerline LED on the adapter to turn solid green, indicating a successful connection.

Image: Rear view of a single Digicom Powerline adapter, highlighting the two-pin European power plug and the single Ethernet port at the bottom.

2. Connect the Second Adapter

5. Plug the second Digicom Powerline adapter directly into a wall power outlet in the room where you need internet access. Again, avoid power strips.
6. Connect one end of the second Ethernet cable to the Ethernet port on this Powerline adapter.
7. Connect the other end of the Ethernet cable to the Ethernet port of your device (e.g., computer, smart TV, gaming console).
8. Wait for the Power LED, Powerline LED, and Ethernet LED on the second adapter to turn solid green. This indicates a successful network connection.

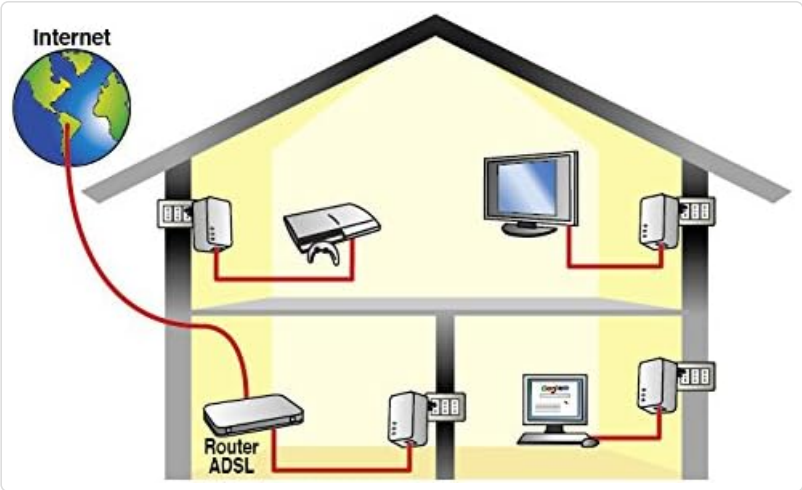

Image: A diagram illustrating a home network setup. An internet connection feeds into a router on the ground floor. Powerline adapters are plugged into wall outlets, extending the network to devices like computers, smart TVs, and gaming consoles on different floors via the electrical wiring.

3. Secure Your Network (Pairing)

For enhanced security, you can pair your Powerline adapters. This encrypts the data transmitted over your electrical

network.

1. Ensure both Powerline adapters are plugged in and communicating (Powerline LED is on).
2. Press the "Pair" button (often labeled with a house icon or a lock) on the first adapter for 1-2 seconds. The Power LED will start blinking.
3. Within two minutes, press the "Pair" button on the second adapter for 1-2 seconds. Its Power LED will also start blinking.
4. After a few moments, the Powerline LEDs on both adapters should turn solid green, indicating successful pairing and a secure connection.

Note: The exact location and labeling of the "Pair" button may vary slightly. Refer to the adapter itself for specific markings.

Operating the Adapters

LED Indicators

The adapters feature several LED indicators to show their status:

- **Power LED (Light Bulb Icon):**
  - Solid Green: Device is powered on.
  - Blinking Green: Pairing mode active.
  - Off: Device is powered off.
- **Powerline LED (House Icon):**
  - Solid Green: Connected to a Powerline network with good speed.
  - Solid Amber: Connected to a Powerline network with fair speed.
  - Solid Red: Connected to a Powerline network with poor speed.
  - Off: Not connected to a Powerline network.
- **Ethernet LED (Ethernet Port Icon):**
  - Solid Green: Ethernet device connected.
  - Blinking Green: Data is being transmitted via the Ethernet port.
  - Off: No Ethernet device connected.

Performance Considerations

- For optimal performance, plug adapters directly into wall outlets. Power strips, surge protectors, and extension cords can degrade Powerline signal quality.
- Powerline performance can be affected by the quality of your home's electrical wiring, distance between adapters, and electrical interference from other appliances.
- The adapters are designed for "Plug and Play" operation, meaning they should automatically connect once plugged in. Pairing is primarily for security.

Maintenance

- **Cleaning:** Disconnect the adapters from power before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.
- **Placement:** Ensure adequate ventilation around the adapters. Do not cover them or place them in enclosed spaces.
- **Storage:** If storing the adapters, keep them in a cool, dry place away from direct sunlight and extreme temperatures.

Troubleshooting

No Powerline Connection (Powerline LED Off)

- Ensure both adapters are plugged directly into wall outlets, not power strips or extension cords.
- Verify that the electrical outlets are functional.
- Try plugging the adapters into different outlets within the same electrical circuit.
- If your home has multiple electrical phases, Powerline adapters may not communicate across different phases.
- Attempt to re-pair the adapters as described in the "Secure Your Network" section.

Slow Connection Speed (Powerline LED Amber or Red)

- Relocate the adapters to different wall outlets to find a better connection path.
- Ensure no high-power electrical appliances (e.g., washing machines, refrigerators, microwaves) are on the same circuit as the Powerline adapters, as they can cause interference.
- Avoid using power strips or surge protectors.
- The maximum theoretical speed is 500 Mbps; actual speeds will vary based on network conditions and electrical interference.

No Internet Access on Connected Device (Ethernet LED Off)

- Check the Ethernet cable connections at both the adapter and your device.
- Ensure your router is functioning correctly and providing internet access.
- Verify that the Powerline connection between the two adapters is established (Powerline LED is solid green/amber/red).
- Try a different Ethernet cable.

Resetting the Adapters

To reset an adapter to factory defaults (which will also unpair it from any existing network), press and hold the "Pair" button for more than 10 seconds until all LEDs briefly flash. You will then need to re-pair the adapters.

Specifications

Feature	Detail
Model	PL502E-A02 (8E4526)
Brand	Digicom
Data Transfer Rate (Max)	500 Mbit/s
Ethernet LAN Data Rates	10, 100 Mbit/s (Fast Ethernet)
Network Standards	IEEE 802.3, IEEE 802.3u
Security Algorithm	128-bit AES
Ethernet LAN Ports (RJ-45)	1 per adapter

Quality of Service (QoS)	Yes
Color	White
Dimensions (W x D x H)	52 mm x 85 mm x 30 mm
Supported Windows OS	Windows 7 (all editions), Windows 8 (all editions), Windows Vista (all editions), Windows XP (all editions)
Cables Included	LAN (RJ-45)

Warranty and Support

Warranty Information: Specific warranty details are typically provided with your purchase documentation. Please refer to the packaging or contact your retailer for warranty terms and conditions.

Customer Support: For technical assistance or further inquiries, please visit the official Digicom website or contact their customer support channels. Information regarding spare parts and software updates is not available in this document.

© 2023 Digicom. All rights reserved.
This manual is for informational purposes only. Digicom reserves the right to make changes to product specifications without prior notice.