Zinwell PLS-8171

Zinwell G.GH Gigabit Powerline Ethernet Adapter PLS-8171 User Manual

Model: PLS-8171

Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Zinwell G.GH Gigabit Powerline Ethernet Adapter, model PLS-8171. This device allows you to extend your network connection using your home's existing electrical wiring, providing a stable and high-speed internet connection to areas where Wi-Fi signals may be weak or unreliable.

The PLS-8171 is designed for ease of use and offers robust performance for various networking needs, including streaming, gaming, and general internet browsing. Please read this manual carefully before using the device to ensure proper setup and optimal performance.

Product Overview

The Zinwell PLS-8171 is a G.hn 802.3af PoE Bridge, designed to deliver high-speed data transmission over power lines. It features a Gigabit Ethernet port and supports various networking protocols for efficient data transfer.



Figure 1: Front view of the Zinwell PLS-8171 Powerline Ethernet Adapter. The device is white with the "ZINWELL" logo and "G.hn 802.3af PoE Bridge" text at the top. Below this, three indicator lights are visible: a power indicator (circle with vertical line), a powerline connection indicator (plug icon), and an Ethernet activity indicator (two connected boxes icon). The model number "PLS-8171" is printed at the bottom.

Key Features:

- **Gigabit Ethernet Port:** Provides high-speed wired connectivity for devices.
- **G.hn Technology:** Utilizes advanced G.hn standard for reliable and fast data transmission over electrical wiring.
- **PoE (Power over Ethernet) Support:** Integrated IEEE 802.3af Type 2 PoE for powering compatible devices.
- **Plug and Play:** Simple setup with no complex configuration required.
- **Secure Connection:** Encrypted data transmission for network security.
- **Indicator Lights:** Visual cues for power, powerline connection, and Ethernet activity.

Package Contents

Please verify that all items are present in your package:

- Zinwell G.GH Gigabit Powerline Ethernet Adapter (PLS-8171)
- Ethernet Cable
- Quick Installation Guide (this manual)

If any items are missing or damaged, please contact your retailer or Zinwell customer support immediately.

Setup

Setting up your Zinwell PLS-8171 Powerline Ethernet Adapter is a straightforward process. For optimal performance, it is recommended to plug the adapters directly into a wall outlet, avoiding power strips or surge protectors.

Step-by-Step Installation:

1. **Connect the First Adapter:**

   Plug one PLS-8171 adapter into a wall outlet near your internet router or modem. Use the provided Ethernet cable to connect the adapter's Ethernet port to an available LAN port on your router/modem.

2. **Connect the Second Adapter (if using a pair):**

   Plug the second PLS-8171 adapter into a wall outlet in the room where you want to extend your network. This could be near a computer, smart TV, gaming console, or any other network-enabled device.

3. **Connect Your Device:**

   Use another Ethernet cable to connect the second adapter's Ethernet port to the network port of your device (e.g., computer, smart TV).

4. **Verify Connection:**

   Once both adapters are plugged in and connected, observe the indicator lights on both units. The power indicator should be solid, the powerline indicator should be solid (indicating a successful powerline connection), and the Ethernet indicator should be lit or blinking (indicating network activity).

5. **Pairing (if necessary):**

   In most cases, the adapters will automatically pair. If they do not, or if you wish to add more adapters to your existing powerline network, refer to the "Pairing Adapters" section below.

Pairing Adapters:

To establish a secure powerline network or add new adapters:

1. Press the "Pair" button (if available, or refer to specific button on device) on one adapter for 1-2 seconds. The powerline LED will start blinking.
2. Within two minutes, press the "Pair" button on the second adapter for 1-2 seconds. The powerline LED on this adapter will also start blinking.
3. Wait for the powerline LEDs on both adapters to turn solid, indicating a successful and secure connection.

Operating the PLS-8171

Once set up, the PLS-8171 operates automatically. It extends your network connection over your home's electrical wiring, providing a stable and high-speed link.

Indicator Lights Explained:

Indicator	Status	Description
Power (Circle with vertical line)	Solid Green	The device is powered on.
	Off	The device is powered off.
Powerline (Plug icon)	Solid Green	A powerline connection is established.
	Blinking Green	Pairing mode or data transfer activity over powerline.
	Off	No powerline connection detected.
Ethernet (Two connected boxes icon)	Solid Green	An Ethernet link is established.
	Blinking Green	Data transfer activity over the Ethernet port.
	Off	No Ethernet device connected or no link.

Maintenance

The Zinwell PLS-8171 is designed for minimal maintenance. Follow these guidelines to ensure its longevity and optimal performance:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the adapter. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the adapter is placed in a well-ventilated area. Do not block the ventilation holes.
- **Environment:** Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- **Power Source:** Always plug the adapter directly into a wall outlet. Avoid power strips, extension cords, or surge protectors as they can degrade powerline performance.

Troubleshooting

If you encounter issues with your Zinwell PLS-8171, refer to the following common problems and solutions:

Common Issues and Solutions:

- **No Power (Power LED Off):**

  Ensure the adapter is securely plugged into a working wall outlet. Try a different outlet.

- **No Powerline Connection (Powerline LED Off):**

  Ensure both adapters are plugged into wall outlets within the same electrical system. Avoid power strips or surge protectors. Try re-pairing the adapters as described in the "Setup" section.

- **No Ethernet Connection (Ethernet LED Off):**

  Check the Ethernet cable connections between the adapter and your router/device. Try a different Ethernet cable. Ensure your connected device is powered on and its network adapter is enabled.

- **Slow Connection Speed:**

  Powerline performance can be affected by electrical interference. Try plugging adapters into different outlets. Avoid outlets near high-power appliances (e.g., washing machines, refrigerators). Ensure both adapters are on the same electrical phase if your home has multiple phases.

- **Cannot Pair Adapters:**

  Ensure you are pressing the pair button for the correct duration (1-2 seconds). Make sure both adapters are plugged in and powered on. Try resetting the adapters by unplugging them for a few seconds and then plugging them back in before attempting to pair again.

If the problem persists after trying these solutions, please contact Zinwell customer support.

Specifications

Feature	Detail
Model	PLS-8171
Brand	Zinwell
Data Link Protocol	Gigabit Ethernet, G.hn
Data Transfer Rate	Up to 1000 Mbps (Gigabit)
Hardware Interface	Ethernet
PoE Support	IEEE 802.3af Type 2 PoE built-in
Ethernet Standards	1000/100Base-T, 10Base-TX
Network Protocols	CSMA/CA and TDMA, IPv4/IGMP v1, v2, and v3 snooping, IPv6 transparent (not including multicasting)
Color	White
Item Weight	8 ounces
Compatible Devices	Desktop and other network-enabled devices

Warranty Information

Zinwell products are covered by a limited warranty. Please refer to the warranty card included with your product or visit the official Zinwell website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

Customer Support

For technical assistance, troubleshooting, or product inquiries, please contact Zinwell customer support:

- **Website:** Visit the official Zinwell website for FAQs, drivers, and support resources.
- **Email:** Refer to the product packaging or website for support email addresses.
- **Phone:** Refer to the product packaging or website for support phone numbers.

When contacting support, please have your product model (PLS-8171) and serial number ready.

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Ask a question about this manual

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Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question