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Zinwell PLS-8171

Zinwell PLS-8171 Powerline G.hn 802.3af POE Bridge User Manual

Model: PLS-8171

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Zinwell PLS-8171 Powerline G.hn 802.3af POE Bridge. Please read this manual thoroughly before using the device to ensure proper setup and optimal performance. Keep this manual for future reference.

2. Product Overview

The Zinwell PLS-8171 is a Powerline G.hn 802.3af POE Bridge designed to extend your network connectivity using existing electrical wiring. It utilizes G.hn technology for high-speed data transmission and provides Power over Ethernet (PoE) capabilities, allowing you to power compatible devices such as IP cameras, VoIP phones, or wireless access points directly through the Ethernet cable, eliminating the need for separate power outlets for these devices.



Figure 1: Zinwell PLS-8171 Powerline G.hn POE Bridge unit. This image displays the compact networking device, typically featuring Ethernet ports and a power input, designed for extending network connectivity over electrical wiring.

3. Package Contents

Please check the package contents carefully. If any item is missing or damaged, contact your vendor immediately.

- Zinwell PLS-8171 Powerline G.hn 802.3af POE Bridge Unit
- Ethernet Cable
- Power Adapter
- Quick Start Guide (if included)

4. Setup

Follow these steps to set up your Zinwell PLS-8171 Powerline G.hn 802.3af POE Bridge:

1. **Connect the First Bridge:** Plug one PLS-8171 unit into an electrical outlet near your internet router. Connect an Ethernet cable from your router to the Ethernet port on this PLS-8171 unit.
2. **Connect the Second Bridge:** Plug the second PLS-8171 unit into an electrical outlet in the room where you need network connectivity and PoE power. Ensure both units are on the same electrical circuit for optimal performance.
3. **Connect PoE Device:** Connect your PoE-compatible device (e.g., IP camera, VoIP phone) to the Ethernet port of the second PLS-8171 unit using an Ethernet cable. The bridge will provide both data and power to the connected device.
4. **Verify Connection:** Check the LED indicators on both PLS-8171 units. A solid Power LED and a solid or blinking Powerline LED indicate a successful connection. The Ethernet LED should also be active when a device is connected.

Note: For best performance, avoid plugging the Powerline bridges into power strips, surge protectors, or extension cords, as these can interfere with the Powerline signal. Plug them directly into a wall outlet.

5. Operating Instructions

Once the Zinwell PLS-8171 Powerline G.hn 802.3af POE Bridges are set up, they automatically establish a secure network connection over your home's electrical wiring. Data from your router is transmitted through the electrical lines to the remote bridge, which then provides both network access and power to your connected PoE device.

- **Network Extension:** The Powerline network operates transparently, extending your existing network to areas without Ethernet cabling.
- **PoE Functionality:** The remote PLS-8171 unit delivers power to your PoE-enabled device, simplifying installation and reducing cable clutter.
- **Security:** The G.hn standard includes encryption to secure your data transmitted over the powerline network.

6. Maintenance

To ensure the longevity and optimal performance of your Zinwell PLS-8171 Powerline G.hn 802.3af POE Bridge, consider the following maintenance tips:

- **Keep Clean:** Regularly wipe the device with a soft, dry cloth to remove dust. Do not use liquid or aerosol cleaners.
- **Ensure Ventilation:** Do not block the ventilation openings on the device. Ensure it is placed in a well-ventilated area to prevent overheating.
- **Avoid Extreme Conditions:** Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- **Firmware Updates:** Check the manufacturer's website periodically for any available firmware updates to ensure the device has the latest features and security enhancements.

7. Troubleshooting

If you encounter issues with your Zinwell PLS-8171, refer to the following troubleshooting guide:

Problem	Possible Solution
No Power LED	• Ensure the power adapter is securely connected to the device and a working electrical outlet. • Try a different electrical outlet.

Problem	Possible Solution
No Powerline LED / No Network Connection	• Ensure both PLS-8171 units are plugged directly into wall outlets, not power strips or surge protectors. • Verify both units are on the same electrical circuit. • Check that the Ethernet cable from the router to the first unit is securely connected. • Restart both Powerline units by unplugging and replugging them.
Slow Network Speed	• Ensure both units are plugged directly into wall outlets. • Avoid plugging units into outlets near high-power appliances (e.g., washing machines, refrigerators) that can generate electrical noise. • The quality of electrical wiring can affect performance. Try different outlets if possible.
PoE Device Not Powering On	• Ensure your device is 802.3af PoE compliant. • Check the Ethernet cable connection between the PLS-8171 and the PoE device. • Verify the Powerline connection is active (Powerline LED is on).

8. Specifications

Feature	Description
Brand	Zinwell
Model	PLS-8171
Hardware Interface	Ethernet
Data Link Protocol	G.hn, 802.3af (PoE)
Compatible Devices	Various network-enabled devices, 802.3af PoE devices
Color	White
UPC	657768592317
ASIN	B0CF8R5BMT

9. Warranty and Support

This Zinwell PLS-8171 Powerline G.hn 802.3af POE Bridge comes with a **90 days limited warranty**. For warranty claims or technical support, please refer to the contact information provided by your retailer or the official Zinwell support channels. For further assistance, please visit the manufacturer's official website or contact their customer service department.

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