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Adalov CPE368

Adalov CPE368 Gigabit Wireless Bridge Kit User Manual

Model: CPE368

1. INTRODUCTION

Thank you for choosing the Adalov CPE368 Gigabit Wireless Bridge Kit. This kit is designed to extend your network coverage over long distances using 5.8GHz wireless technology. It provides a stable and high-speed connection for various applications, including surveillance, network expansion, and internet sharing. This manual provides detailed instructions for setting up, operating, and maintaining your wireless bridge kit.

2. WHAT'S IN THE BOX

The Adalov CPE368 Gigabit Wireless Bridge Kit includes the following components:

- 3x Adalov CPE368 Wireless Bridges
- 3x PoE Adapters
- 3x Short Network Cables
- 3x Metal Cable Ties (for mounting)
- 1x User Manual



What's in the box?



3x Wireless Bridges

3 x Metal Cable Tie

3x Network Cable

3x PoE Adapter

1x User Manual

Customer Service Guarantee

Image: All components included in the Adalov CPE368 Wireless Bridge Kit, laid out on a wooden surface.

3. PRODUCT OVERVIEW

The Adalov CPE368 Wireless Bridge is designed for robust outdoor performance and versatile network extension. Key features include:

- **Three-Piece Kit:** Offers flexible connectivity options with both 100Mbps and 1000Mbps ports.
- **Long-Range Performance:** Equipped with a 14dBi high-gain antenna, supporting connections up to 5KM.
- **High-Speed 5.8GHz Frequency:** Provides higher speeds and better interference resistance for reliable data transfer.
- **Simple Plug-and-Play Installation:** Features an LED display for quick configuration of Point-to-Point (PTP) and Point-to-MultiPoint (PTMP) connections.
- **Robust Outdoor Durability:** IP65 waterproof and dustproof rating ensures resilience against harsh weather.

conditions.

- **Power Over Ethernet (PoE) Convenience:** Supports 24V PoE, allowing power and data transmission over a single cable.

Applied for Network expansion or Surveillance

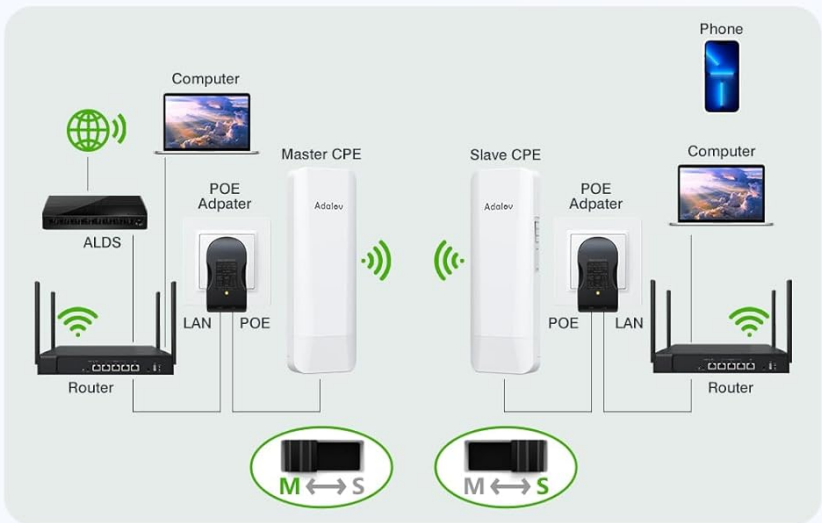
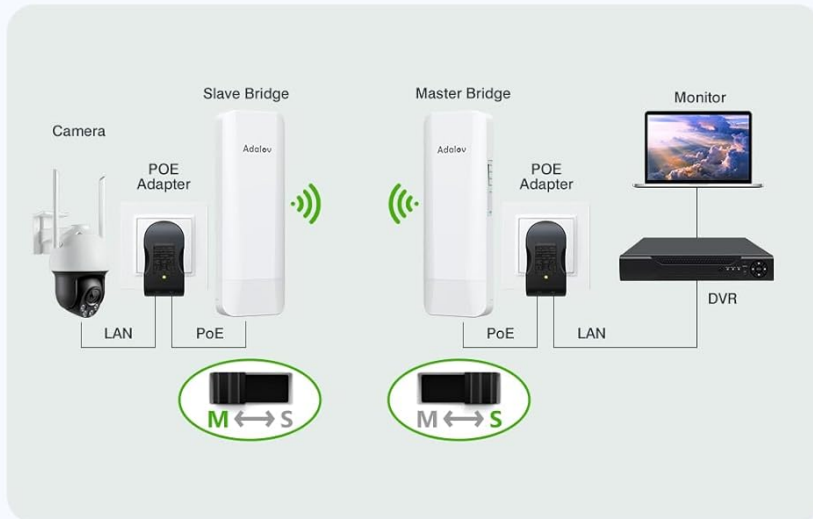


Image: A detailed view of the Adalov CPE368 unit, highlighting the M-S switch, DC power port, reset button, 100Mbps LAN port, and 1000Mbps LAN/PoE port.

One-Key Operation & Dialing Pairing

5.8 GHz 1000Mbps



Image: A diagram illustrating the one-key operation and dialing pairing process, showing the master and slave bridges and their connection status.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Adalov CPE368 Wireless Bridge Kit:

- 1. Identify Master and Slave Units:** Designate one unit as the Master Bridge and the others as Slave Bridges. The Master Bridge connects to your main network (router/NVR), and Slave Bridges extend the network to remote locations.
- 2. Connect Power:** Connect the POE port of the POE adapter to the 1000M/POE port of each wireless bridge using a network cable. Plug the POE adapter into a power outlet.
- 3. Set Master/Slave Mode:**
 - For the Master Bridge, slide the M-S switch to the 'M' side.

- For each Slave Bridge, slide the M-S switch to the 'S' side.

4. **Pairing:** The devices are pre-paired from the factory. Once powered on and set to Master/Slave modes, they should automatically connect. The signal indicator lights will stop flashing and remain steady when pairing is successful. If manual pairing is needed, short press the reset button on each unit to cycle through channels until they connect.
5. **Physical Installation:** Mount the bridges in desired locations using the provided metal cable ties for pole mounting or screws for wall mounting. Ensure a clear line of sight between the Master and Slave units for optimal performance.



Image: A person installing an Adalov CPE368 Wireless Bridge on the exterior wall of a building, demonstrating wall-mounted installation.

Setup Video Guide:

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Video: This video demonstrates the unboxing and pairing process for the CPE368 wireless bridges, showing how to connect them and achieve a successful link.

5. OPERATING INSTRUCTIONS

The Adalov CPE368 supports both Point-to-Point (PTP) and Point-to-MultiPoint (PTMP) configurations, allowing for flexible network extension.

5.1. Point-to-Point (PTP) Configuration

In a PTP setup, one Master Bridge communicates directly with one Slave Bridge to extend a network link between two locations.

5.2. Point-to-MultiPoint (PTMP) Configuration

In a PTMP setup, one Master Bridge communicates with multiple Slave Bridges, allowing you to extend network access to several remote points from a central location.

Highlighted Ports, Indicators, and Dip Switch Pairing

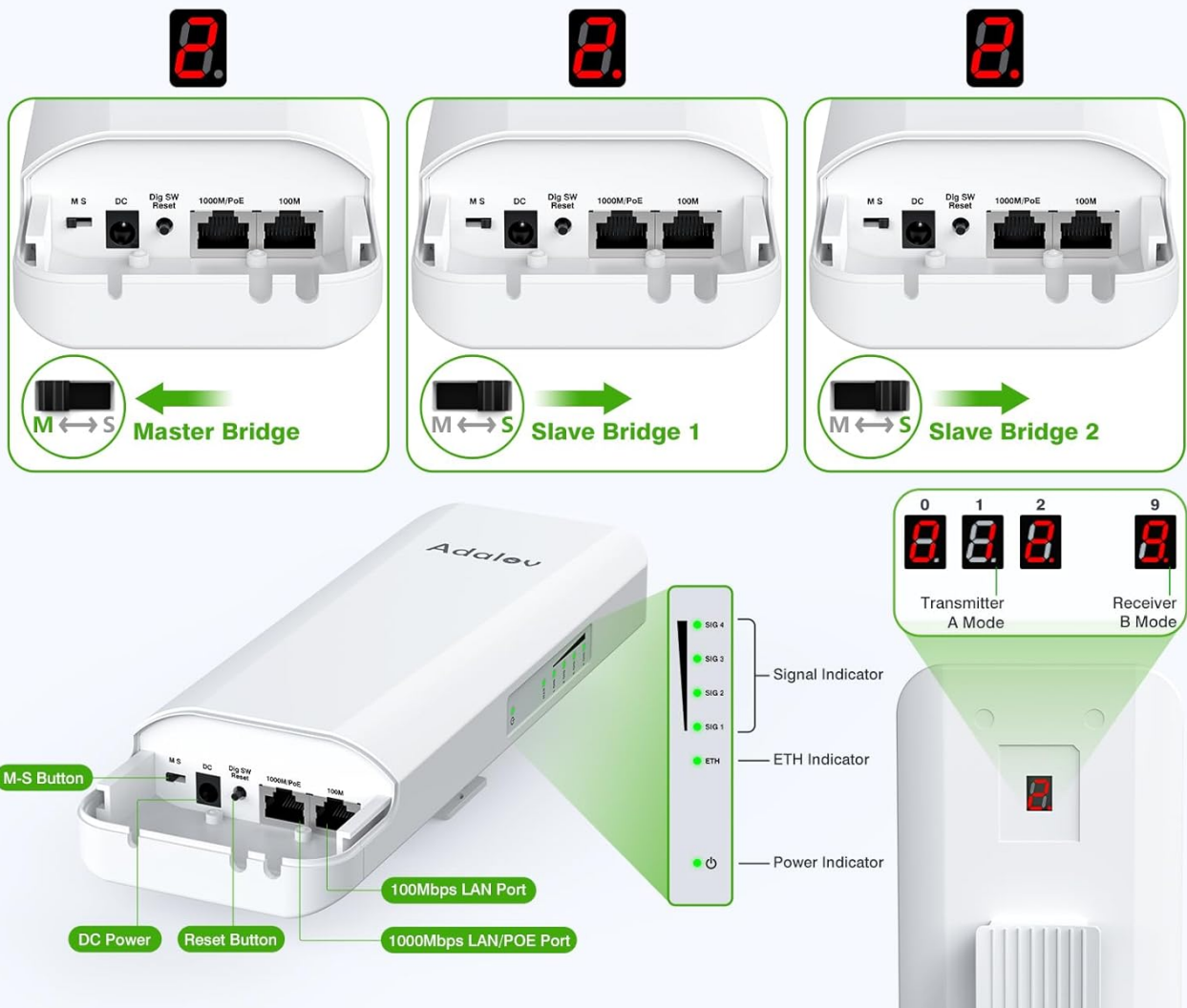


Image: A diagram illustrating the setup of Master Bridge, Slave Bridge 1, and Slave Bridge 2, showing their respective M-S switch positions and LED indicators.

5.3. Application Scenarios

The CPE368 is versatile and can be used in various environments:

- **Network Extension:** Extend your home or office network to outbuildings, garages, or remote areas.
- **Surveillance Systems:** Connect IP cameras over long distances without extensive cabling.
- **Starlink Internet Extension:** Extend Starlink internet access to different parts of your property.
- **Rural Connectivity:** Provide internet access in remote or rural locations.

Wide Application



Long Range Network Extend



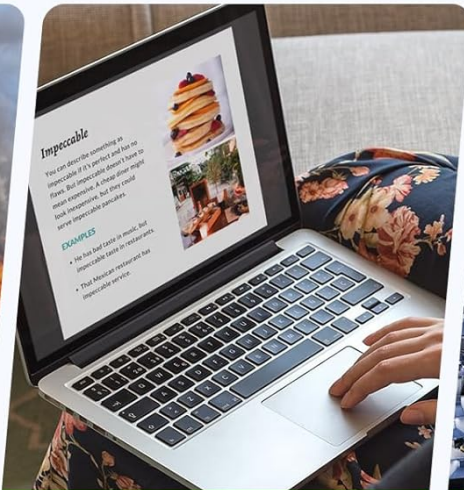
Starlink Internet Extend
--starlink



Rural Connectivity



Emergency Services



Sharing Internet



Security and Surveillance

Image: A collage showing different uses for the wireless bridge, including long-range network extension, Starlink internet extension, rural connectivity, emergency services, internet sharing, and security/surveillance.

Application Videos:

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Video: This video provides an overview of the CPE368 Gigabit Wireless Bridge as a network solution, showcasing its capabilities for various applications.

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Video: This video demonstrates how the CPE368 Gigabit Wireless Bridge can be used for surveillance applications, extending

camera networks.

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Video: This video illustrates how to use the CPE368 Gigabit Wireless Bridge to extend network coverage to a park area.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Adalov CPE368 Wireless Bridge Kit, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically clean the exterior of the units to remove dust, dirt, and debris. Use a soft, dry cloth. Avoid harsh chemicals or abrasive materials.
- **Inspect Cables and Connections:** Regularly check all network cables and power connections for any signs of wear, damage, or loose fittings. Ensure they are securely connected.
- **Firmware Updates:** Check the manufacturer's website periodically for any available firmware updates. Keeping the firmware updated can improve performance, stability, and security.
- **Environmental Considerations:** Although the units are IP65 rated for outdoor use, avoid placing them in locations prone to extreme physical impact or prolonged submersion in water.
- **Power Cycle:** If you experience connectivity issues, try power cycling the units (unplugging and replugging the power adapters) to reset them.

Weatherproof Outdoor Wireless Bridge



Image: A visual representation of the CPE368's weatherproof design, showing it enduring rain, snow, wind, and dust, highlighting its outdoor durability.

7. TROUBLESHOOTING

If you encounter issues with your Adalov CPE368 Wireless Bridge Kit, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power Indicator Light	Power adapter not connected or faulty; power outlet not working.	Ensure the PoE adapter is securely connected to the bridge and a working power outlet. Test with a different outlet or adapter if available.
No Signal (Signal Indicator Off/Flashing)	Incorrect Master/Slave setting; units not paired; obstruction in line of sight; too far apart.	Verify Master/Slave switch positions. Re-pair units by short pressing the reset button to change channels. Ensure clear line of sight and reduce distance if necessary.
Slow Network Speed	Interference; poor signal strength; network congestion; cable issues.	Check signal indicator lights for strong signal. Adjust unit positioning to minimize interference. Ensure network cables are Cat5e/Cat6 and in good condition. Reduce network traffic if possible.
Intermittent Connection	Loose connections; environmental interference; unstable power.	Secure all cable connections. Check for strong signal. Ensure stable power supply. Consider relocating units to avoid sources of interference.

8. SPECIFICATIONS

Here are the technical specifications for the Adalov CPE368 Wireless Bridge Kit:

- **Brand:** AdaLov
- **Model Number:** CPE368
- **Data Transfer Rate:** 900 Megabits Per Second
- **Frequency Band:** 5.8GHz
- **Antenna:** 14dBi High-Gain
- **Ports:** 100Mbps Ethernet, 1000Mbps Ethernet/PoE
- **Power:** 24V Power Over Ethernet (PoE)
- **Outdoor Rating:** IP65 Waterproof and Dustproof

9. WARRANTY AND SUPPORT

Adalov products are designed for reliability and performance. For warranty information, please refer to the documentation included with your purchase or visit the official Adalov website. If you require technical assistance or have questions about your CPE368 Wireless Bridge Kit, please contact Adalov customer support through the contact information provided on the product packaging or website.

