GOOD STORY 5KM-3PK

GOOD STORY 5.8GHz Outdoor Wireless Bridge User Manual

Model: 5KM-3PK / WB510C-3PK

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the GOOD STORY 5.8GHz Outdoor Wireless Bridge. This device is designed to establish long-distance wireless network connections, offering both Point-to-Point (P2P) and Point-to-Multipoint (P2MP) capabilities, along with an integrated Wi-Fi hotspot feature. It is pre-configured for ease of use, making it suitable for extending network connectivity to remote locations such as shops, barns, or other buildings up to 5 kilometers away.

2. Product Overview

The GOOD STORY Wireless Bridge is engineered for reliable outdoor performance, featuring a robust design and advanced networking capabilities.

2.1 Key Features

- **High-Speed 5.8GHz Connectivity:** Provides fast and stable wireless links for various applications.
- **Long Range Coverage:** Capable of establishing connections up to 5 kilometers (3.5 miles) with its 16dBi antenna.
- **Integrated Wi-Fi Hotspot:** Built-in hotspot functionality at each device for local Wi-Fi access.
- **Pre-configured and Easy to Install:** Units are pre-set for plug-and-play operation, minimizing setup complexity.
- **Robust Outdoor Performance:** Weatherproof and durable design ensures consistent operation in various outdoor conditions.
- **Secure and Reliable:** Supports reliable data transmission and encryption protocols.
- **Versatile Usage:** Ideal for expanding home networks, connecting remote offices, or linking buildings.

2.2 What's in the Box

- GOOD STORY 5.8GHz Outdoor Wireless Bridge Units (3-pack)
- Power over Ethernet (POE) Injectors
- Mounting Hardware (for pole or wall mounting)

- Quick Start Guide (refer to this manual for detailed instructions)



Figure 1: GOOD STORY Wireless Bridge 3-Pack with highlighted features.

3. Setup Instructions

The GOOD STORY Wireless Bridge units are pre-configured for a simplified setup process. Follow these steps to establish your wireless link.

3.1 Component Identification



Figure 2: Device Ports and Controls.

- **DC Power:** Power input port.
- **Master/Slave Switch (M.S):** Toggle switch to set the device as a Master or Slave unit.

- **Reset/Channel Button:** Used for resetting the device or changing channels.
- **POE/LAN 1 (1000M/POE):** Gigabit Ethernet port, also used for Power over Ethernet input.
- **POE/LAN 2 (100M):** Fast Ethernet port.

3.2 Basic Installation Steps

1. **Mounting:** Securely mount the wireless bridge units in desired outdoor locations. Ensure a clear line of sight between the Master and Slave units for optimal performance. Use the provided mounting hardware.
2. **Power Connection:** Connect the POE injector to a power outlet. Connect an Ethernet cable from the POE port of the injector to the POE/LAN 1 port on the wireless bridge unit.
3. **Network Connection (Master Unit):** For the Master unit, connect an Ethernet cable from your main router/network switch to the LAN port of the POE injector.
4. **Network Connection (Slave Unit):** For the Slave unit, connect an Ethernet cable from the LAN port of its POE injector to your local network device (e.g., computer, switch, Wi-Fi Access Point).
5. **Master/Slave Configuration:** Ensure one unit is set to 'Master' and the other(s) to 'Slave' using the M.S switch. The units are typically pre-configured, but verify this setting.
6. **Power On:** Once all connections are secure, power on the POE injectors. The LED indicators on the bridge units will illuminate, indicating power and network activity.

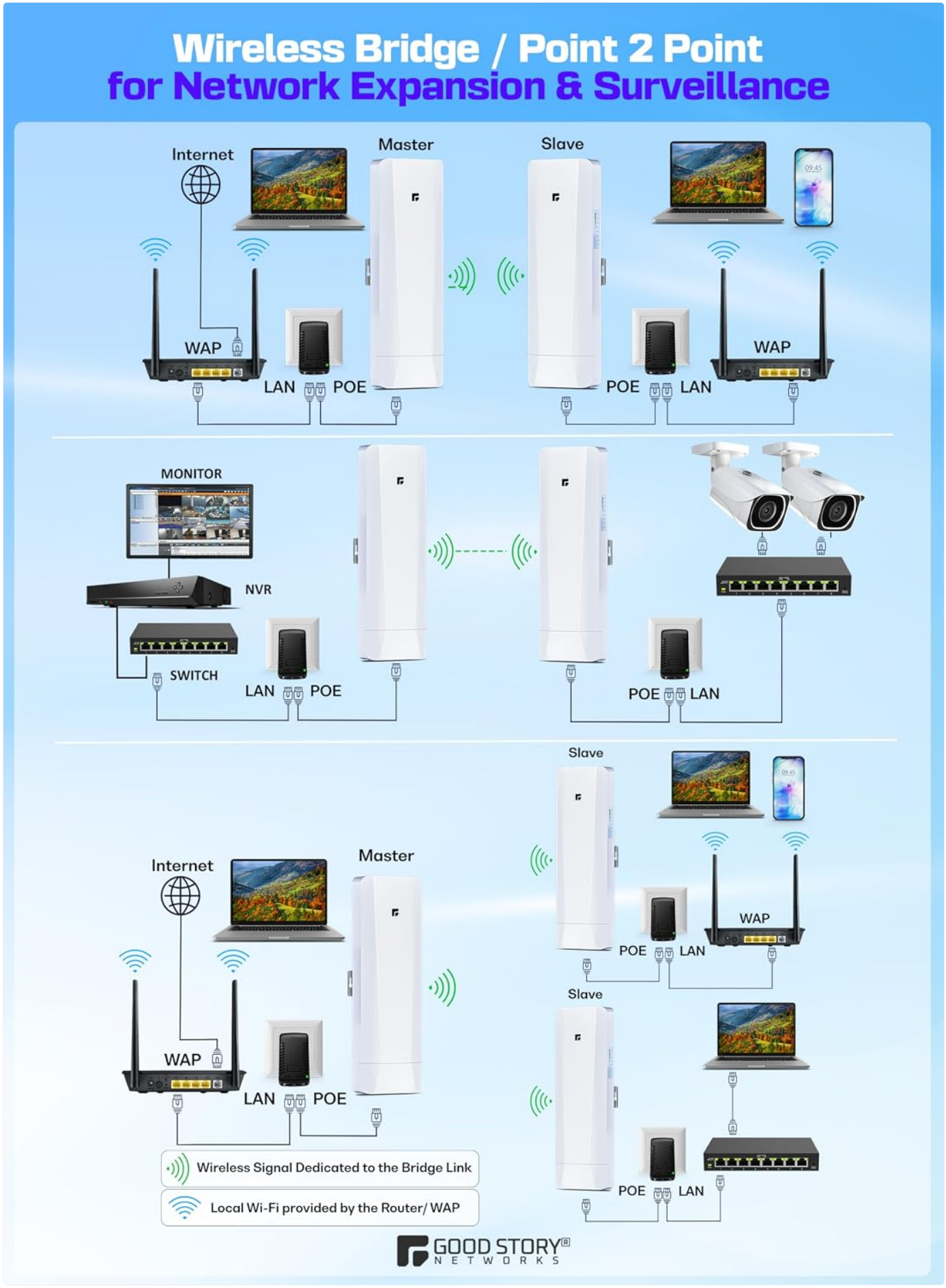


Figure 3: Network Expansion and Surveillance Scenarios.



Figure 4: Real-World Point-to-Point Wireless Link Scenario.

4. Operating Instructions

Once the wireless bridge units are powered on and connected, they will automatically establish a link based on their pre-configuration.

4.1 Wireless Link Operation

- The Master unit broadcasts the wireless signal, and the Slave unit(s) receive it, creating a transparent network bridge.
- Data from your main network (connected to the Master) will be transmitted wirelessly to the remote location(s) (connected to the Slave(s)) at speeds up to 1000Mbps.
- The 5.8GHz frequency band ensures less interference and higher throughput for long-distance connections.



Figure 5: Extending Network Range up to 5KM.

4.2 Wi-Fi Hotspot Functionality

The 5KM model includes a pre-configured Wi-Fi hotspot feature, providing local wireless access at the remote location.

- Each bridge unit (both Master and Slave) can broadcast a local Wi-Fi signal.
- Devices such as smartphones, laptops, and security cameras can connect to this local Wi-Fi hotspot for internet access.
- The Wi-Fi hotspot provides convenient connectivity for devices within its range, typically up to 100 feet in open space.



Figure 6: Wi-Fi Hotspot Functionality Sample.

5. Maintenance

The GOOD STORY Wireless Bridge is designed for minimal maintenance due to its robust outdoor construction.

- **Regular Inspection:** Periodically check the physical mounting and cable connections for any signs of wear or damage.
- **Cleaning:** If necessary, gently clean the exterior of the units with a soft, damp cloth. Do not use harsh chemicals or abrasive materials.

- **Firmware Updates:** Check the manufacturer's website periodically for any available firmware updates to ensure optimal performance and security.
- **Environmental Protection:** While weatherproof, avoid direct exposure to extreme conditions beyond its operating specifications if possible.



Figure 7: Stable Performance in Severe Weather.

6. Troubleshooting

If you encounter issues with your wireless bridge, refer to the following common troubleshooting steps:

- **No Power:** Ensure the POE injector is properly connected to a power outlet and the Ethernet cable from the POE injector is securely connected to the POE/LAN 1 port of the bridge unit. Check power indicators.
- **No Wireless Link:**
  - Verify clear line of sight between Master and Slave units. Obstructions can severely degrade performance.
  - Confirm one unit is set to 'Master' and the other(s) to 'Slave'.
  - Check that both units are powered on and their link indicators are active.
- **Slow Connection Speed:**
  - Ensure optimal alignment of the units. Slight adjustments can significantly improve signal strength.
  - Minimize interference sources (e.g., other 5GHz devices, large metal objects).
  - Verify that the connected network devices (router, switch) support Gigabit Ethernet for full 1000Mbps speeds.
- **No Local Wi-Fi Hotspot:** Ensure the bridge unit is powered on and functioning correctly. If the issue persists, a factory reset might be necessary.
- **Factory Reset:** To perform a factory reset, press and hold the 'Reset/Channel' button for approximately 10-15 seconds while the device is powered on. Release the button, and the device will reboot with factory default settings. Note that this will erase any custom configurations.

7. Specifications

Feature	Specification
Brand	GOOD STORY
Model	5KM-3PK / WB510C-3PK
Frequency Band	5.8 GHz (Single-Band)
Wireless Standard	802.11n
Antenna Gain	16dBi
Max Range	5 KM (3.5 Miles)
Data Transfer Rate	Up to 1000 Mbps (Gigabit LAN Port)
LAN Ports	1x 1000Mbps (POE/LAN 1), 1x 100Mbps (POE/LAN 2)
Power Input	24 Volts (via POE)
Special Features	Internet Security, LED Indicator, Weatherproof
Operating System	RouterOS
Item Weight	1 kg 790 g (per unit, approximate)

8. Warranty and Support

For warranty information and technical support, please refer to the documentation provided with your purchase or contact GOOD STORY customer service directly. Keep your purchase receipt for warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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