Grandstream Networks, Inc.

PtP/PtMP Fixed Wireless Bridge

GWN7302 – Quick Installation Guide

Overview

The GWN7302 is a new enterprise-grade PTP/PtMP Fixed Wireless Bridge, ideal for medium-to-large businesses that require long-distance wireless data transmission. It features dual-band 2×2:2 MIMO and a sophisticated antenna design with TDMA technology to improve spectrum efficiency, reduce interference, and enhance network stability.

Supporting both PTP and PTMP modes, the GWN7302 adapts to a variety of deployment scenarios. Its IP66-rated weatherproof design ensures stable performance in harsh environments.

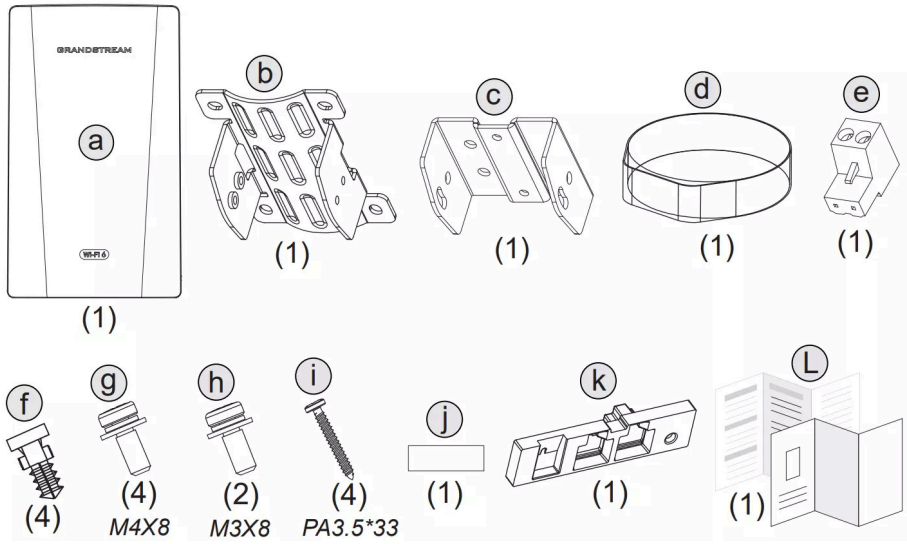
One-key pairing enables quick synchronization and connection between devices, while built-in signal strength LEDs guide antenna alignment, simplifying installation and use.

For easy setup and management, the GWN7302 utilizes a controller-less distributed network architecture with an embedded controller accessible via its Web user interface. It is also supported by the GWN App, which allows configuration via the device's own Wi-Fi signal when LAN access is not available. Remote management is available through the GDMS cloud platform.

Equipped with two Gigabit network ports, the GWN7302 supports both PoE IN and PoE OUT, making it an ideal long-range wireless bridge for factories, construction sites, parking lots, scenic areas, and more.

Package Contents

The GWN7302 package includes the following components required for installation and setup:



Package Contents

Letter	Qty	Item Description
a	1	GWN7302 Device
b	1	Wall/Pole Bracket
c	1	Device Bracket
d	1	Steel Strap
e	1	Terminal Power Adapter (24V input)
f	4	Expansion Bolts
g	4	Screws (M4×8)
h	2	Screws (M3×8)

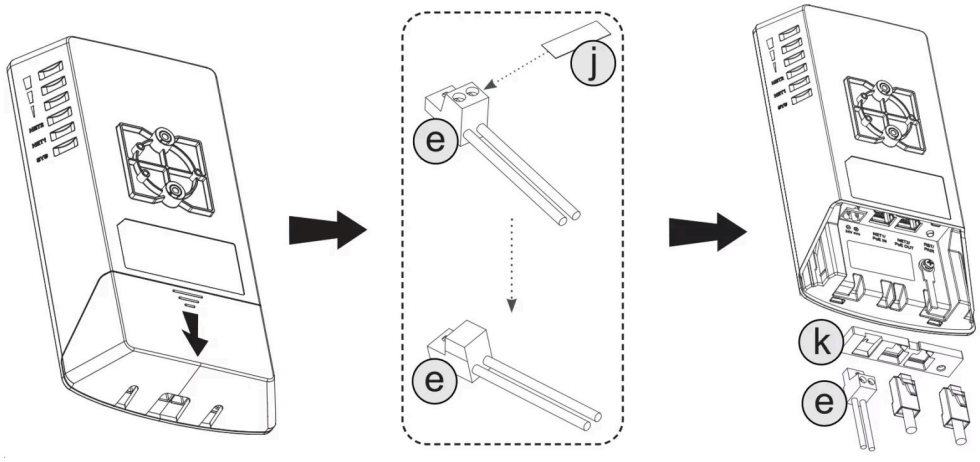
i	4	Screws (PA3.5×33)
j	1	Adhesive Sticker
k	1	Rubber Waterproof Accessory
L	1	Quick Installation Leaflet

Package Contents

Hardware Overview

The GWN7302 features:

- **NET1 Port** – PoE IN
- **NET2 Port** – PoE OUT
- **RST/PAIR Button** – for factory reset or one-key pairing
- **Power Terminal** – for 24V DC optional input



Ports

Port	Description
NET1 (PoE IN)	Ethernet RJ45 port (10/100/1000 Mbps) supporting PoE/PoE+ input. Use this port to power the device via a PoE injector or switch.
NET2 (PoE OUT)	Ethernet RJ45 port (10/100/1000 Mbps) with PoE/PoE+ output capability to power another PoE device (e.g., an IP camera or access point).
RST / PAIR	Multi-function button used to: • Press and hold for 7 seconds to reset to factory settings • Tap once for One-Key Pairing during PtP/PtMP configuration
Power Terminal (24V DC)	Power input via terminal block for 24V DC. Can be used if PoE is not available.

Ports

Hardware Installation

GWN7302 can be mounted on the wall or on a metal bar, Please refer to the following steps for the appropriate installation.

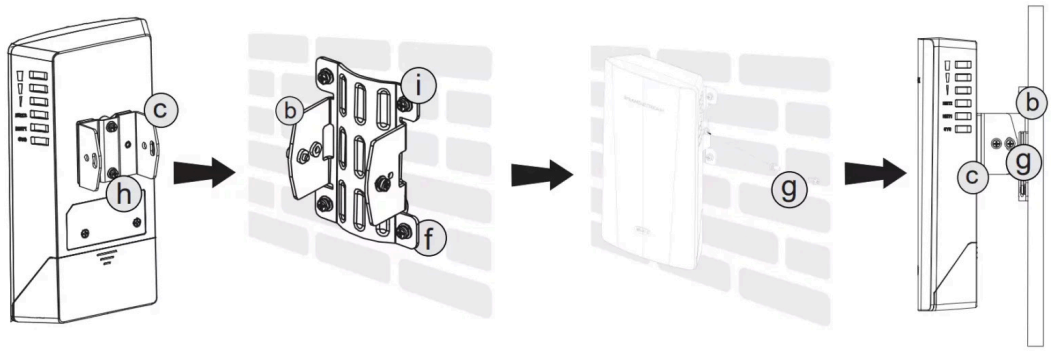
Wall Mount

1. **Attach the Device Bracket**
   Use the M3 screws to secure the device bracket to the back of the GWN7302.

2. **Fix the Wall Bracket**
   Mount the wall/pole bracket to the wall using the expansion bolts and long screws..

3. **Hook & Secure the Device**
   Align the device bracket with the mounted wall bracket, hook it into place, and secure it using the screws for firm attachment.

4. **Tighten and Check**
   Ensure all screws are secure, and the device is properly fixed and facing the correct direction.



Wall Mount

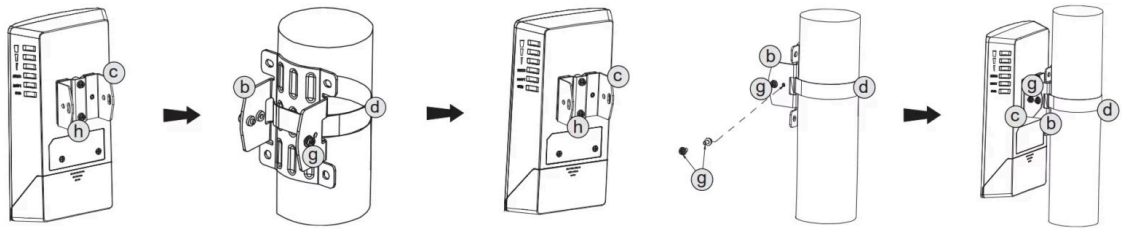
Pole Mount

1. **Attach the Device Bracket**
   Use the M3 screws to secure the device bracket to the back of the GWN7302.

2. **Fix the Pole Bracket**
   Insert the steel strap through the pole bracket and wrap it around the pole. Tighten the strap until the bracket is snug and level.

3. **Hook & Secure the Device**
   Align the device bracket with the mounted pole bracket, hook it into place, and secure it with screws for a firm and stable attachment.

4. **Final Check**
   Confirm the device is tightly mounted, facing the correct direction, and all fasteners are secure.



Pole Mount

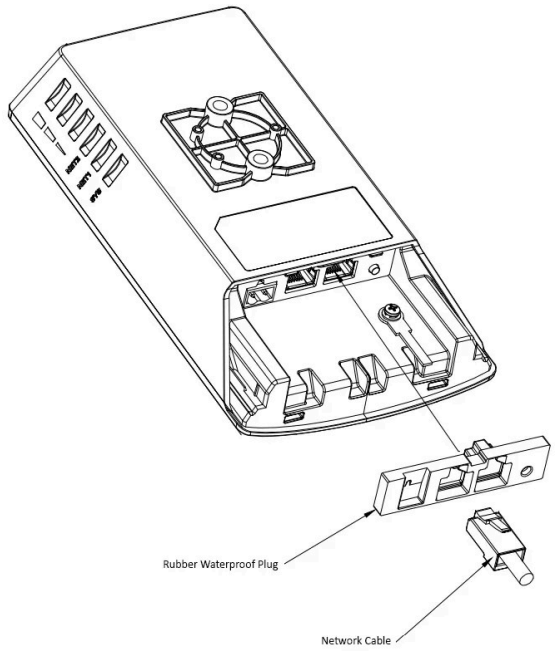
Rubber Waterproof Plug Installation

The GWN7302 includes a **rubber waterproof plug** used to seal unused ports and maintain **IP66 protection** for outdoor use. Depending on your power method and port usage (NET1, NET2, DC IN), the plug can be configured in two ways:

Case 1: Using only NET1 (PoE IN)

If you're using only **NET1** for both power and data (typical for most PtP deployments):

- You **do not remove** any rubber inserts.
- You insert the **network cable (RJ45)** directly through the **main open port** on the rubber plug.
- The other two plug sections (NET2 + DC IN) **stay sealed**.

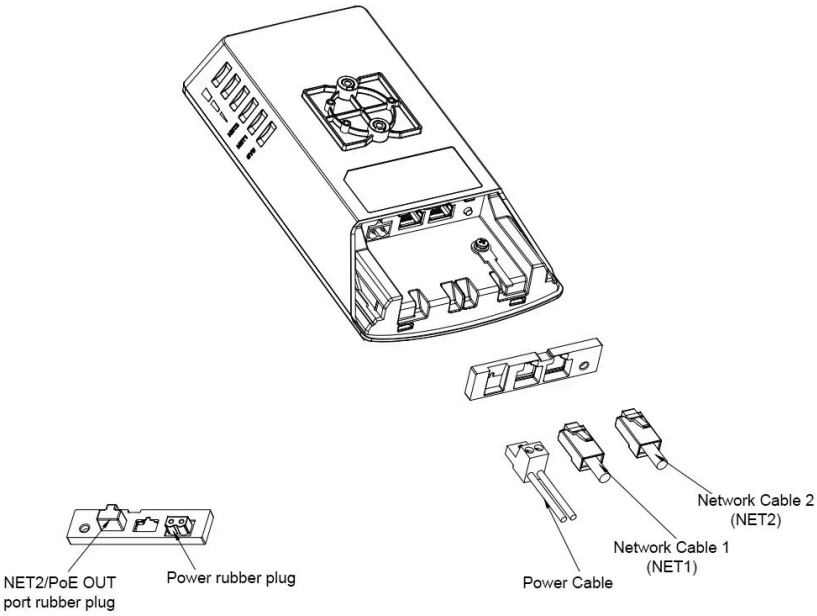


Case 1 Using only NET1 PoE IN

Case 2: Using NET2 and/or 24V DC Input

If you're using **NET2 (PoE OUT)** to power another device (e.g., camera) and/or supplying **power via the 24V terminal block**:

- You need to **remove the corresponding rubber seals** from the backside of the plug:
  - Remove the rubber cap for **NET2** if you're inserting a second Ethernet cable.
  - Remove the rubber cap for **DC IN** if using 24V terminal adapter.
- Insert the cables through the newly opened holes.
- Then fit the rubber plug into the main unit as usual.

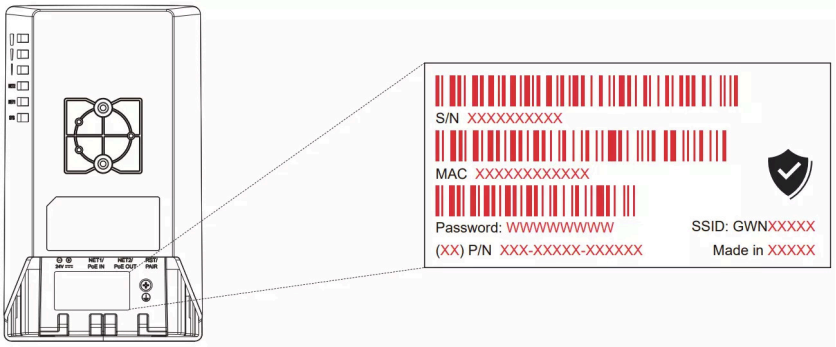


Case 2 Using NET2 andor 24V DC Input

Connect to GWN7302 Default Wi-Fi Network

When powered on, the **GWN7302** will broadcast a default Wi-Fi network to allow initial configuration. The SSID will appear as: GWN[Last 6 digits of MAC address] (*Example: GWN74D7A2*)

> GWN7302's default SSID and Wi-Fi password are printed on the MAC tag on the back of the unit.



MAC Tag

Accessing the Configuration Interface

A computer connected to the same network as the **GWN7302**, or connected to its default Wi-Fi, can access the configuration interface using one of the following methods:

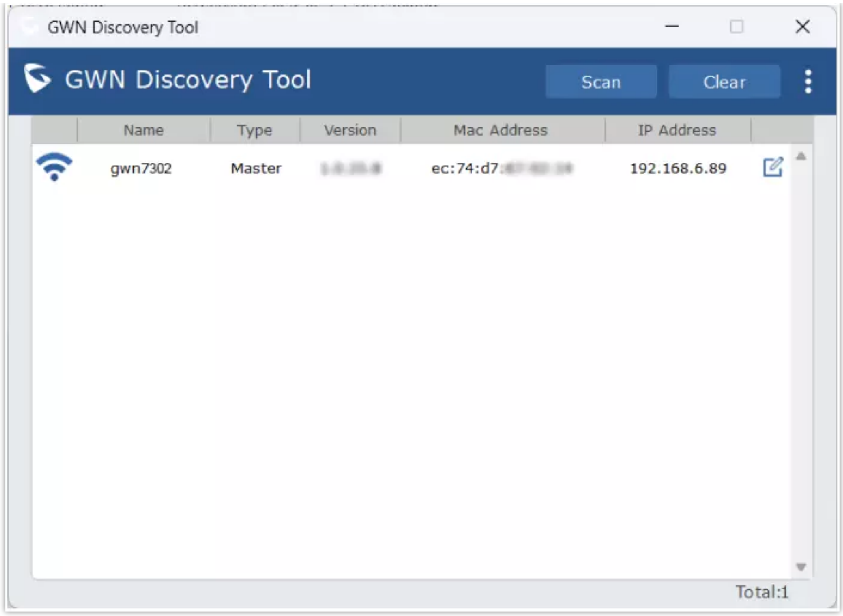
Method 1: Using the Device's MAC Address

1. Locate the MAC address on the **sticker at the back** of the GWN7302.
2. From a computer connected to the same network as the GWN7302, type in the following address using GWN7302's MAC address on your browser **https://gwn_<mac>.local**

> Example: If a GWN7302 has the MAC address C0:74:AD:8C:4D:F8, this unit can be accessed by typing **https://gwn_c074ad8c4df8.local** on the browser.

Method 2: Using the GWN Discovery Tool

1. Download and install GWN Discovery Tool from the following link: https://www.grandstream.com/tools/GWNDiscoveryTool.zip
2. Open the GWN DiscoveryTool, and click on Scan.
3. The tool will display all GWN devices on the network with their **MAC** and **IP address**.
4. Click on **Manage Device** or copy the IP into your browser to access the Web UI.



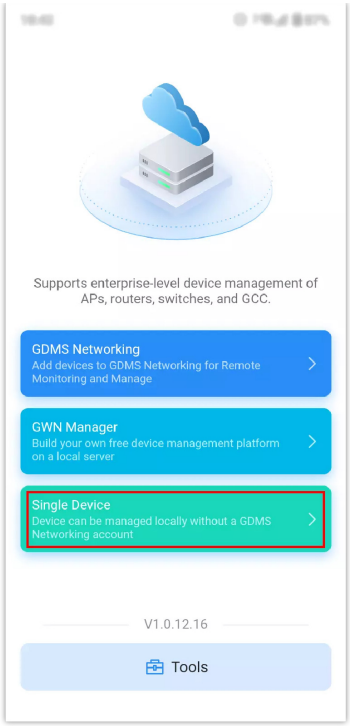
GWN Discovery Tool

5. Enter the username and password to log in. (The default administrator username is “admin” and the default random password can be found on the sticker on the GWN7302).

login page

Method 3: Using the GWN App (Standalone Mode)

You can manage the GWN7302 locally without a GDMS account using the **GWN App**. Launch the app, select **Single Device**, and connect to the GWN7302’s Wi-Fi (SSID: `GWN730X_XXXXXX`). Use the device’s **MAC address** as the username and the **default password** printed on the label.
For full steps and troubleshooting, visit: GWN7302 User Manual



GWN App

- Make sure the device is not already **paired to another master** or controller. If so, unpair or factory reset it first.
- It is the customer's responsibility to ensure compliance with local regulations for frequency bands, transmit power, and others.
- To manage remotely, use the **GDMS platform**: https://www.gdms.cloud.

- Do not attempt to open, disassemble, or modify the device.
- Do not expose this device to temperatures outside the range of -30 °C to 60 °C for operating and -30 °C to 70 °C for storage.
- Do not expose the GWN7302 to environments outside of the following humidity range: 5-95% RH (non-condensing).
- Do not power cycle your GWN7302 access point during system boot-up or firmware upgrade. You may corrupt firmware images and cause the unit to malfunction.
- Please take lightning protection measures during installation (a lightning rod is required and the device must be reliably grounded). It is recommended to use a surge protection device.

The GNU GPL license terms are incorporated into the device firmware and can be accessed via the Web user interface of the device at my_device_ip/gpl_license. It can also be accessed here: https://www.grandstream.com/legal/open-source-software

To obtain a CD with GPL source code information please submit a written request to info@grandstream.com

Refer to online documents and FAQ for more detailed information:
https://www.grandstream.com/our-products

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ES	FR	HR	IT	CY	LV	LT	LU	CH
HU	MT	NL	AT	PL	PT	RO	SI	TR
SK	FI	SE	NO	IS	UK	UK(NI)		

In the UK and EU member states, operation of 5150-5350 MHz is restricted to indoor use only.

For Warranty and RMA information please visit
www.grandstream.com/support/warranty