Manuals+ — User Manuals Simplified.

GRANDSTREAM GWN7664 High-Performance Wi-Fi 6 Access Point User Guide

Contents

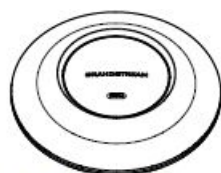**GRANDSTREAM GWN7664 High-Performance Wi-Fi 6 Access Point**

OVERVIEW

The GWN7664 is a high-efficiency, enterprise-grade 802.11ax Wi-Fi 6 access point, ideal for small-to-medium sized businesses, multiple floor buildings, residential settings and commercial locations. It offers dual-band 4×4:4 MU-MIMO with DL/UL OFDMA technology and a sophisti-cated antenna design for maximum network throughput and expanded Wi-Fi coverage range. To ensure easy installation and management, the GWN7664 uses a controller-less distributed network management design in which the controller is embedded within the product's Web user interface. The GWN7664 is also supported by GWN.Cloud and GWN Manager, Grandstream's cloud and on-premise Wi-Fi manage-ment platform. It is the ideal Wi-Fi AP for voice-over-Wi-Fi deployments and offers a seamless connection with Grandstream's Wi-Fi capable IP phones. With support for advanced QoS, low-latency real-time ap-plications, mesh networks, captive portals, 512 concurrent clients per AP and dual Gigabit network ports with PoE/PoE+, GWN7664 is an ideal Wi-Fi access point for medium wireless network deployments with medium-to-high user density.

PRECAUTIONS

- Do not attempt to open, disassemble, or modify the device.
- Do not expose this device to temperatures outside range of 0 °C to 50 °C for operating and -10 °C to 60 °C for storage.
- Do not expose the GWN7664 to environments outside of the following humidity range: 10-90% RH (non-condensing).
- Do not power cycle your GWN7664 during system boot up or firmware upgrade. You may corrupt firmware images and cause the unit to malfunction

PACKAGE CONTENTS

1x GWN7664 Access Point

1x Mounting Bracket

1x Ceiling Mounting Bracket

3x Screw (PM 3 x 50)

3x Screw (PA 3.5 x 20)

3x Plastic Expansion Bolt

GWN7664 PORTS
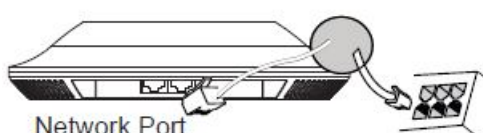
3x M3 NUT

1 x Quick Installation Guide

GWN7664 PORTS

Port	Description
NET/POE 2.5G	Ethernet RJ45 port (10Mbps /100Mbps /1Gbps /2.5Gbps) supporting PoE/PoE+.
NET/POE 1G	Ethernet RJ45 port (10Mbps /100Mbps /1Gbps) to your router or another GWN76xx, support PoE/PoE+.
RESET	Factory reset button. Press for 7 seconds to reset factory default settings.

POWERING AND CONNECTING THE GWN7664

GWN7664 can be powered on using PoE/PoE+ switch using following steps:

1. **Step 1**: Plug a RJ45 Ethernet cable into the network port of GWN7664
2. **Step 2**: Plug the other end into the uplink port of the power over Ethernet (PoE/PoE+) switch.
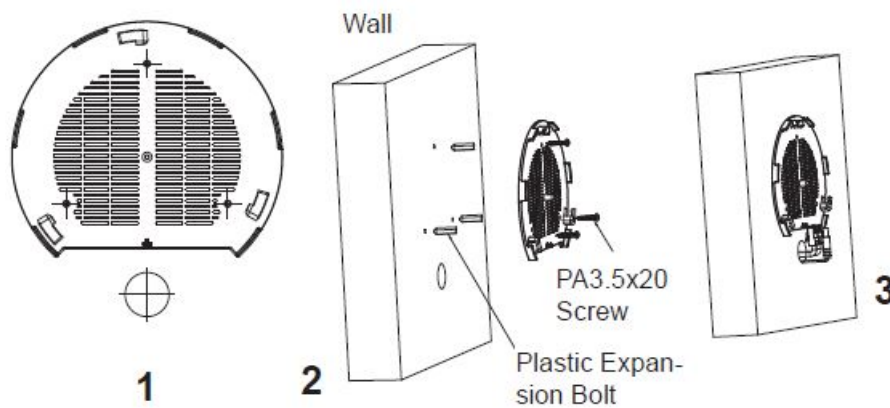

Network Port

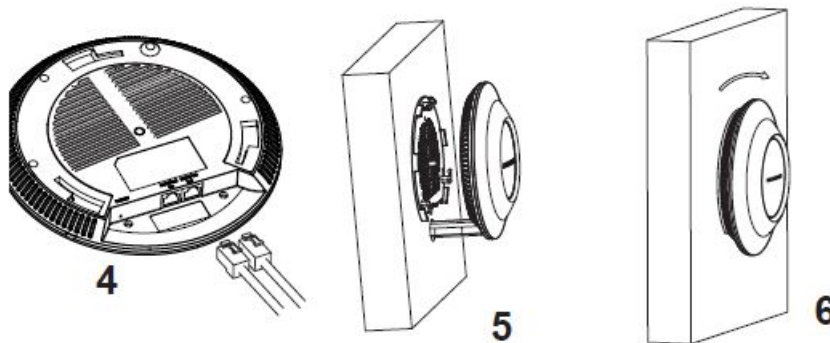RJ45 Ethernet Cable to power over Ethernet (PoE/PoE+) Switch

HARDWARE INSTALLATION

GWN7664 can be mounted on the wall or ceiling, Please refer to the following steps for the appropriate installation.

Wall Mount

1. Position the mounting bracket at the desired location on the wall with the arrow pointing up.
2. Use a pencil to mark the four mounting holes (screw holes DIA 5.5mm, reticle hole DIA 25mm).
3. If your Ethernet cable feeds through the wall, then cut or drill a circle approximately 18mm in diameter.
4. Insert screw anchors into the 5.5mm holes. Attach the mounting bracket to the wall by inserting the screws into the anchors.
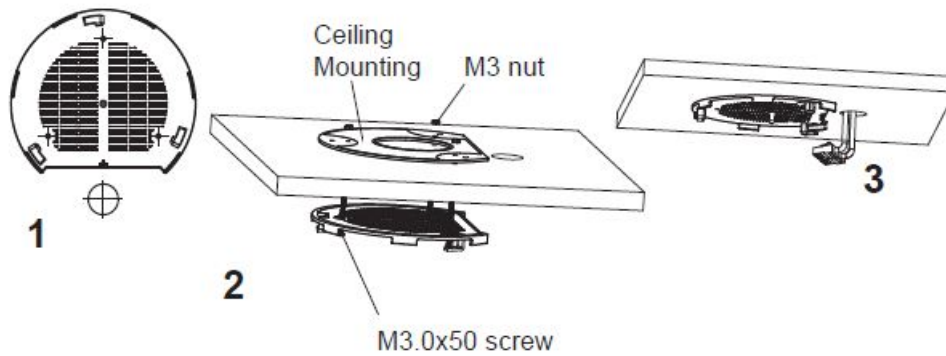

5. Connect the ethernet cable (RJ45) to the correct ports of your GWN7664.
6. Align the arrow on the GWN7664 AP with the arrow on the locking tab of the mounting bracket and ensure that your GWN is firmly seated on the mounting bracket.
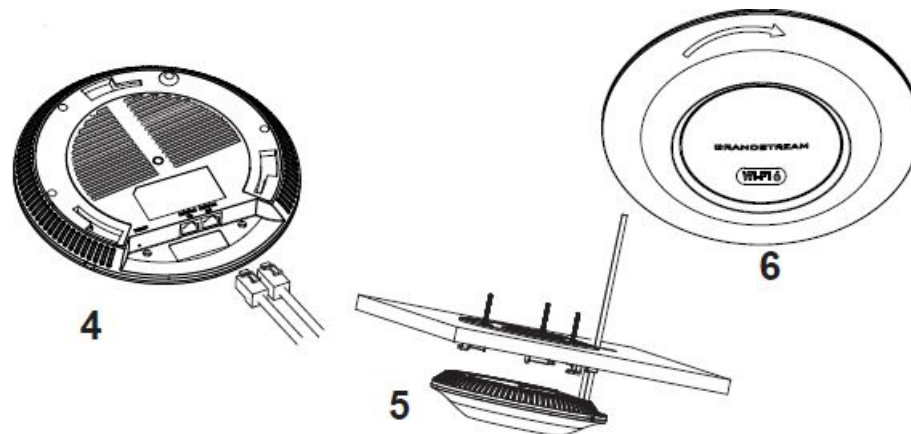7. Turn the GWN clockwise until it locks into place and fits the locking tab.

Ceiling Mount

Note: Ceiling mounting is recommended for optimal coverage perfor-mance.

1. Remove the ceiling tile.
2. Place the ceiling backing plate in the center of the ceiling tile and mark the mounting screw holes (screw holes DIA 5.5mm, reticle hole DIA 25mm).
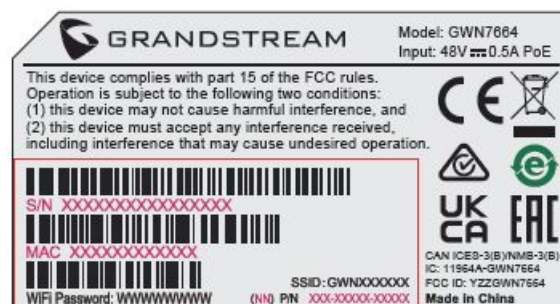3. Insert the screws through the mounting bracket.

Ceiling Mounting   M3 nut

M3.0x50 screw

4. Connect th Ethernet cable (RJ45) to the correct ports of your GWN7664.

5. Align the arrow on the GWN7664 with the arrow on the locking tab of the mounting bracket and ensure that your GWN is firmly seated on the mounting bracket and connect the network and power cables.

6. Turn the GWN clockwise until it locks into place and fits the locking tab.

CONNECT TO GWN7664 DEFAULT Wi-Fi NETWORK

GWN7664 can be used as standalone access point out of box, or after factory reset with Wi-Fi enabled by default. After powering the GWN7664 and connecting it to the network, GWN7664 will broadcast a default SSID based on its MAC address GWN[MAC's last 6 digits] and a random password.

Note: GWN7664's default SSID and password information are printed on the MAC tag of the unit.

ACCESSING THE CONFIGURATION INTERFACE
A computer connected to the GWN7664's SSID, or to the same network as the GWN7664 can discover and access its configuration interface us-ing one of the below methods:

Method 1: Discover GWN7664 using its MAC Address

1. Locate the MAC address on the MAC tag of the unit, which is on the underside of the device, or on the package.

2. From a computer connected to same network as the GWN7664, type in following address using GWN7664's MAC address on your brows-er: **https://gwn_<mac>.local**

Example: If a GWN7664 has the MAC address C0:74:AD:8B:4E:28, this unit can be accessed by typing **https://gwn_c074ad8b4e28.local** on the browser.

Method 2: Discover GWN7664 using GWN Discovery Tool

1. Download and install GWN Discovery Tool from the following link:**http://www.grandstream.com/tools/GWNDiscoveryTool.zip**
2. Open the GWN DiscoveryTool, and click on Scan
3. The tool will discover all GWN76XX Access Points connected onthe network showing their MAC and IP addresses.
4. Click on Manage Device to be redirected directly to the GWN7664'sconfiguration interface, or type in manually the displayed IP addresson your browser.

Enter username and password to login. (The default administrator username is "admin" and the default random password can be found at the sticker on the GWN7664).

Notes:

- Make sure that the GWN7664 is not already paired with anotherGWN76xx Access Point as slave, GWN7000 Router Series, GWNCloud, or GWN Manager, otherwise the configuration interface cannot be accessed
- If the GWN7664 is already paired, make sure to unpair it first, or doa factory reset.
- It is customer's responsibility to ensure compliance with local regulations for frequency bands, transmit power and others.
- To manage GWN7664 over cloud, please refer to **https://www.gwn.cloud**.

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: **http://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: http://www.grandstream.com/our-products

Documents / Resources

	GRANDSTREAM GWN7664 High-Performance Wi-Fi 6 Access Point [pdf] User Guide GWN7664 High-Performance Wi-Fi 6 Access Point, GWN7664, High-Performance Wi-Fi 6 Access Point, Wi-Fi 6 Access Point, Access Point

References

- 🌐 **Open Source Software**
- 🌐 **Global Leader in Digital Customer Experience | Concentrix (CNXC)**

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