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## Grandstream GWN7630LR

# Grandstream GWN7630LR Outdoor Wi-Fi Access Point User Manual

Model: GWN7630LR | Brand: Grandstream Networks

## 1. INTRODUCTION

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The Grandstream GWN7630LR is a high-performance outdoor 802.11ac Wave-2 Wi-Fi access point designed for businesses requiring long-range coverage. It features advanced MU-MIMO technology and a robust antenna design, supporting a large number of concurrent clients and extended coverage areas. Its weatherproof casing and heat-resistant technology make it suitable for various outdoor and challenging indoor environments.





This image displays the Grandstream GWN7630LR outdoor Wi-Fi access point. The device is white, rectangular, and features four external antennas, two extending from the top and two from the bottom. A prominent blue LED indicator is visible on the front panel, above the 'GRANDSTREAM' logo.

## 2. PACKAGE CONTENTS

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Verify that your package contains all the items listed below:

- GWN7630LR Outdoor Wi-Fi Access Point
- Mounting Kit (brackets, screws, anchors)
- Quick Installation Guide

## 3. PHYSICAL OVERVIEW

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The GWN7630LR features several ports and indicators for easy setup and monitoring.

### LED Indicators

LED	Status	Description
System LED (Blue)	Solid Blue	Device is powered on and operating normally.
System LED (Blue)	Flashing Blue	Device is booting up or firmware is being upgraded.
System LED (Blue)	Off	Device is powered off or not receiving power.

## 4. SETUP

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### 4.1 Mounting the Device

The GWN7630LR is designed for outdoor installation. Choose a suitable location that provides optimal Wi-Fi coverage and is protected from direct impact. Use the provided mounting kit to securely attach the access point to a pole or wall. Ensure the device is mounted vertically with antennas pointing upwards for best performance.

### 4.2 Powering the Device

The GWN7630LR supports Power over Ethernet (PoE/PoE+). Connect an Ethernet cable from a PoE/PoE+ enabled switch or a PoE injector (30W recommended) to the LAN port on the GWN7630LR. The device will power on automatically.

### 4.3 Network Connection

Connect the Ethernet cable from your network infrastructure (router or switch) to the LAN port of the GWN7630LR. This connection provides both power and data connectivity to the access point.

## 5. CONFIGURATION AND OPERATING

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### 5.1 Accessing the Web User Interface (UI)

1. Ensure your computer is connected to the same network as the GWN7630LR.
2. Open a web browser and enter the default IP address of the GWN7630LR (usually found in the Quick Installation Guide or discovered via Grandstream's GWN Discovery Tool). If DHCP is enabled on your network, the AP will obtain an IP address automatically.
3. Log in using the default administrator credentials. It is highly recommended to change the default password immediately after the first login.

### 5.2 Basic Wi-Fi Configuration

Once logged into the Web UI, navigate to the Wi-Fi settings to configure your wireless networks (SSIDs). You can set up multiple SSIDs, choose security protocols (WPA2/WPA3 recommended), and define bandwidth limits.

### 5.3 Advanced Features

The GWN7630LR supports advanced features such as MU-MIMO for efficient multi-device communication, beamforming for improved signal strength, and seamless roaming. It can be managed as a standalone unit, via

its embedded controller (managing up to 50 local GWN series APs), or through Grandstream's cloud-based GWN.Cloud platform for unlimited AP management.

## 6. MAINTENANCE

- **Firmware Updates:** Regularly check for and install the latest firmware updates from the Grandstream website to ensure optimal performance, security, and access to new features.
- **Cleaning:** Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosols.
- **Environmental Considerations:** While designed for outdoor use, avoid exposing the device to extreme temperatures outside its operating range or direct, prolonged exposure to harsh elements if possible.

## 7. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Device not powering on	Incorrect PoE injector or cable; no power from PoE source.	Ensure a 30W PoE injector or PoE+ switch is used. Check Ethernet cable connection.
Cannot access Web UI	Incorrect IP address; network connectivity issue; firewall.	Verify device IP address. Check network cable. Temporarily disable firewall.
Poor Wi-Fi signal or speed	Interference; improper placement; outdated firmware.	Relocate AP to reduce interference. Update firmware. Adjust channel settings.
Clients cannot connect to Wi-Fi	Incorrect Wi-Fi password; SSID hidden; security settings mismatch.	Verify password. Ensure SSID is broadcast or manually add. Check security protocols.

## 8. SPECIFICATIONS

Key technical specifications for the Grandstream GWN7630LR:

Feature	Detail
Wireless Type	802.11ac Wave-2
Wireless Throughput	2.33Gbps
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
MIMO Technology	4x4:4 MU-MIMO
Concurrent Clients	200+
Coverage Range	Up to 300 meters
Wireline Ports	2x Gigabit Ethernet
Power Input	48 Volts (DC) / PoE/PoE+

Feature	Detail
Dimensions (LxWxH)	19.69 x 19.69 x 11.02 inches
Item Weight	1.76 pounds
Operating System	Grandstream OS

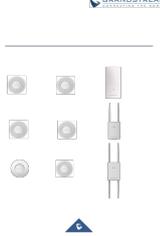
## 9. WARRANTY AND SUPPORT

Grandstream products are covered by a limited warranty. For detailed warranty information, technical support, and additional resources, please visit the official Grandstream website or contact their customer support. Keep your purchase receipt for warranty claims.

**Online Resources:** [www.grandstream.com](http://www.grandstream.com)

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### Related Documents - GWN7630LR

	<p><a href="#">Grandstream GWN7660LR Outdoor Long-Range Wi-Fi 6 Access Point Quick Installation Guide</a> Quick installation guide for the Grandstream GWN7660LR, an outdoor long-range Wi-Fi 6 access point. Details features, package contents, ports, installation (wall/pole mount), connection, configuration, and regulatory information.</p>
	<p><a href="#">Grandstream GWN7660LR Outdoor Long-Range Wi-Fi 6 Access Point Quick Installation Guide</a> This document provides a quick installation guide for the Grandstream GWN7660LR, an outdoor Wi-Fi 6 access point. It covers an overview of the device, safety precautions, package contents, port descriptions, powering and connecting instructions, hardware installation (wall and pole mounting), and methods for accessing the configuration interface.</p>
	<p><a href="#">Grandstream GWN76XX Wi-Fi Access Points User Manual</a> This user manual provides comprehensive guidance on configuring and managing Grandstream's GWN76XX series of enterprise-grade Wi-Fi Access Points. It covers product overview, installation, getting started, management platforms, technical specifications, and advanced features for seamless wireless network deployment.</p>
	<p><a href="#">Grandstream GWN76xx Wi-Fi Access Points User Manual</a> Comprehensive user manual for Grandstream GWN76xx series Wi-Fi Access Points, covering installation, configuration, features, and technical specifications for models like GWN7670, GWN7604, and more.</p>

	<p><a href="#">Grandstream GWN7615 Quick Installation Guide: Enterprise Wi-Fi Access Point</a></p> <p>This guide provides quick installation instructions for the Grandstream GWN7615, an enterprise-grade 802.11ac Wave-2 Wi-Fi access point. Learn about its features, package contents, ports, powering, connection, and mounting.</p>
	<p><a href="#">Grandstream GWN7630 Quick Installation Guide</a></p> <p>This guide provides instructions for installing and configuring the Grandstream GWN7630 Enterprise 802.11ac Wave-2 Wi-Fi Access Point, covering hardware setup, network connection, and access to the configuration interface.</p>