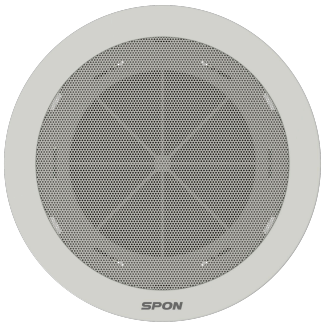
GEN-6213A01 Network Ceiling Speaker





Bluetooth SIP POE Multicast

INTRODUCTION

GEN-6213A01 is a PoE/DC-powered network ceiling speaker that supports SIP and VMS calls, up to 20 multicast streams, storage for 20 audio files, priority management, scheduled playback, HTTP API-triggered custom event actions, and connection to up to three external constant-impedance speakers for hotels, stores, and similar commercial applications.

MAIN FEATURES

- **Multi-Source Audio Reception:** Supports reception of SIP audio, ONVIF audio, Bluetooth audio, and multicast streams.
- **Local Audio Storage:** Built-in 80 MB local storage for up to 20 WAV/MP3 audio files.
- **Audio Input:** Provides one audio input with MIC/LINE selectable via the web interface.
- **Control I/O:** Provides two control inputs and one control output.
- **HTTP API Trigger:** Supports HTTP API for triggering local file playback.
- **Built-in 4 × 3 W Amplifier:** Built-in 4 × 3 W amplifier, supporting up to three external slave speakers.
- **Scheduled Playback:** Built-in scheduler for timed playback of local audio files.
- **Flexible Power Supply:** Supports PoE / PoE+ and DC power supply.

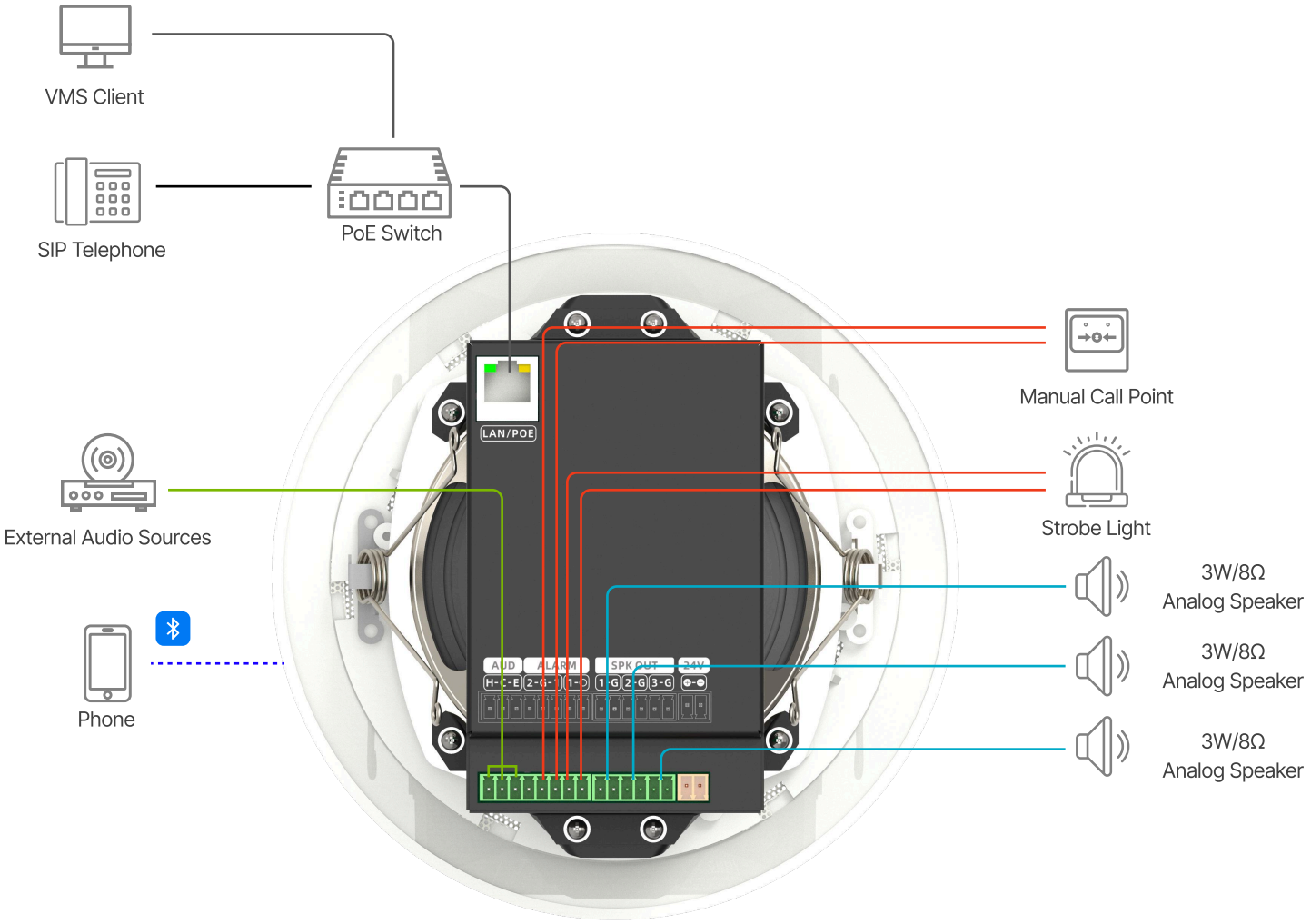
PARAMETERS:

Network Interface	10/100Base-TX, RJ45
PoE	IEEE 802.3af/at
Power Input	1 × DC 24 V
Network Protocols	TCP/IP, UDP, HTTP, RTP, RTSP, ARP, ICMP, NTP, SIP, ONVIF, DHCP
Configuration	Web interface or DevConfig Tool
Audio Transmission	Multicast, up to 20 streams (editable)
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Audio File Format	WAV, MP3
Audio Storage	80 MB local storage, up to 20 audio files
Audio Stream	WAV 8/16/22/44.1/48 kHz, 8/16-bit, mono/stereo; MP3 32/44.1/48 kHz, 64–320 kbps, CBR/VBR, mono/stereo
Audio Input	1 × Line/MIC input, balanced, switchable
Input Sensitivity	-10 dB (Line), -20 dB (MIC)
Bluetooth Input	1 × 2.4 GHz
Frequency Response	100 Hz to 16 kHz
SNR	⩾85 dB
Amplifier	Built-in Class-D amplifier
Rated Power	3 W (DC 24 V / PoE / PoE+)
Speaker Component	4.5" full-range unit
Sensitivity	90 dB (1 m / 1 W / 1 kHz)
Max. SPL	95 dB (1 m / 3 W / 1 kHz)
Coverage Pattern	884 Hz H165° / V165°; 1.77 kHz H150° / V150°; 3.54 kHz H75° / V75°; 7.07 kHz H105° / V105°
Control Input	2
Control Output	1
External Slave Speaker Interface	3 × 3 W / 8 Ω
Reset Button	1
Housing Material	Sheet metal, ABS
Color	White
Mounting	Recessed installation
Application Environment	Indoor
Operating Temperature	-10°C to +50°C
Operating Humidity	⩽90% RH, non-condensing
Dimensions	Φ180 × 120.5 mm
Package Dimensions	200 × 200 × 138 mm
Cutout Dimension	Φ150 mm
Weight	0.74 kg
Warranty	2 Years

ACCESSORIES:

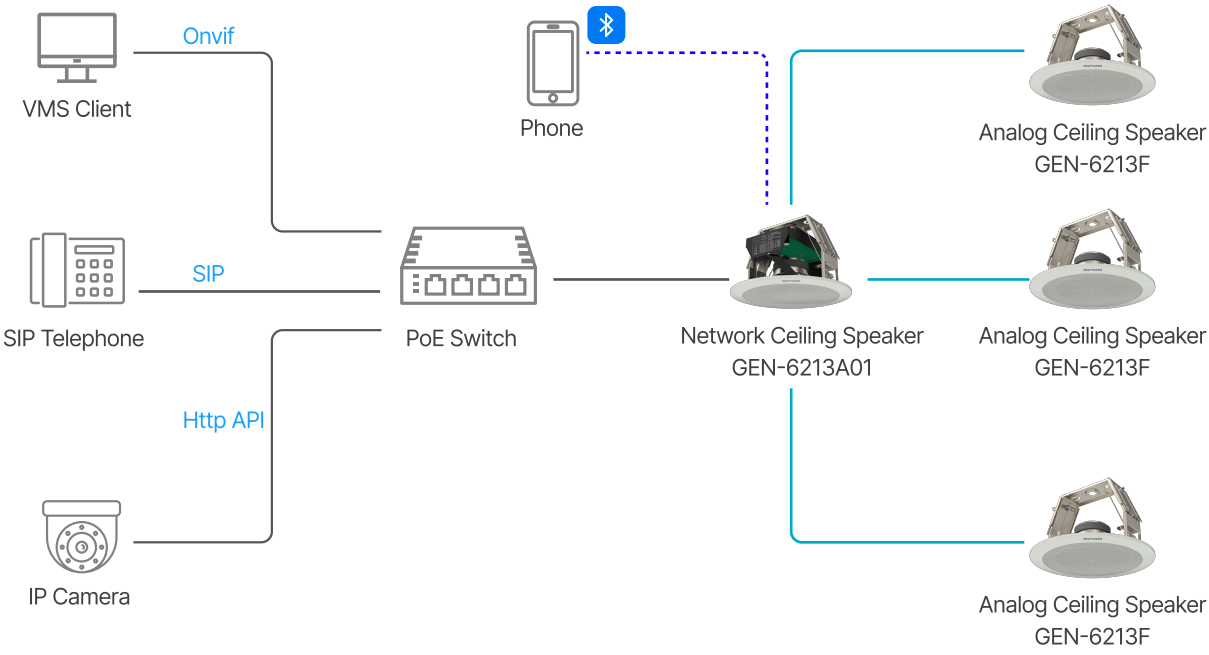
ACCESSORIES	1 × 2-pin terminal (3.81 mm) 1 × 6-pin terminal (3.5 mm) 1 × 8-pin terminal (3.5 mm) 1 × Power adapter (DC 24 V / 1 A, optional) 1 × Installation Manual

CONNECTION DIAGRAM

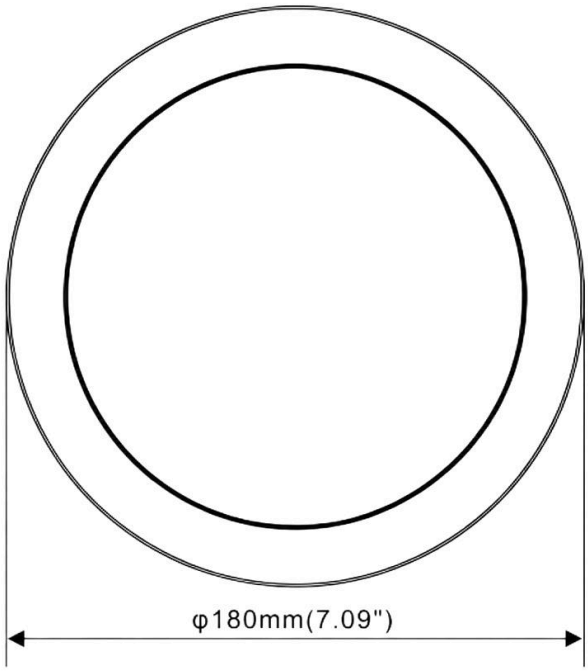


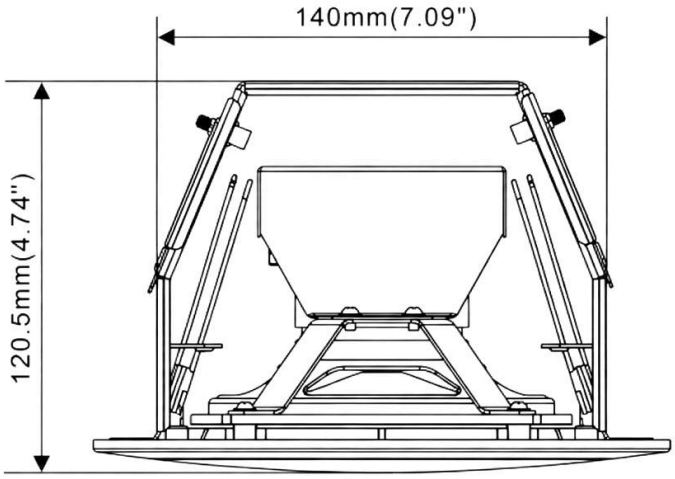
APPLICATION

The GEN-6213A01 network ceiling speaker supports direct calls from SIP or VMS platforms and includes three analog speaker interfaces for connecting up to three 8Ω 3W speakers, offering better sound coverage. It also features Bluetooth for mobile audio playback, making it ideal for retail environments.



DIMENSION





GEN-6213A01	WEIGHT	MM
PRODUCT DESCRIPTION	OUTER DIMENSIONS (W*H*D)	UNIT HEIGHT
NETWORK CEILING SPEAKER	Φ180 x 120.5 mm	N/A