

GEN-6213A01

Network ceiling speaker

The GEN-6213A01 is a PoE/DC-powered ceiling speaker that supports SIP and VMS calls, handles up to 20 multicast streams, and stores 20 audio files. It features priority management, timers, custom event actions (via HTTP API), and supports up to three external constant impedance speakers, ideal for use in hotels, stores, and similar settings.

SIP

Onvif

POE

Multicast



MAIN FEATURES

▲ Audio Integration and Flexibility

The GEN-6213A01 supports various audio protocols, including SIP (for VoIP communication), ONVIF (for audio backchannel in video management systems), and multicast (supporting up to 20 addresses). This allows it to easily integrate with existing IP networks and various systems.

▲ Local audio file storage and playback

The device has built-in storage that supports up to 20 audio files (total capacity of 80MB), which can play WAV and MP3 formats. It supports various playback modes, including scheduled playback, repeat, and interval playback, making it ideal for applications such as timed announcements and emergency broadcasts.

▲ Easy installation and control

The speaker features a simple design with spring clamp installation, making the setup process quick and easy. Additionally, the GEN-6213A01 supports remote control via HTTP commands or physical inputs to trigger playback. It includes 2 control inputs and 1 control output, facilitating easy integration with other devices.

SPECIFICATION

Speaker

Speaker Component	4.5" Full-range unit
Sensitivity	90dB(1M/1W/1KHz)
Max SPL	95dB(1M/3W/1KHz)
Amplifier	Built-in Class-D
Rated power	3W(Use DC24V,POE/POE+)
Frequency Response	100Hz~16KHz
Coverage Pattern	884Hz:H165°/V165° 1.77KHz:H150°/V150° 3.54KHz:H75°/V75° 7.07KHz:H105°/V105°

Audio

Audio Transmission	Multicast , ×20(Editable)
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Audio Stream	WAV (8/16/22/44.1/48 kHz sampling rate, 8/16 bits, mono/stereo), MP3(32/44.1/48 kHz sampling rate, 64-320kbps, CBR/VBR, mono/stereo).
Audio Storage	Max 20 audio files ,80MB
Audio File Format	WAV,MP3
SNR	≥85dB

Network

Network I/F	10BASE-T/100BASE-TX ,RJ45 Connector
Network Protocol	TCP/IP,UDP,HTTP,RTP,RTSP,ARP,ICMP,NTP,SIP,ONVIF
Config Method	Web Interface or DevConfig Tool

SPECIFICATION

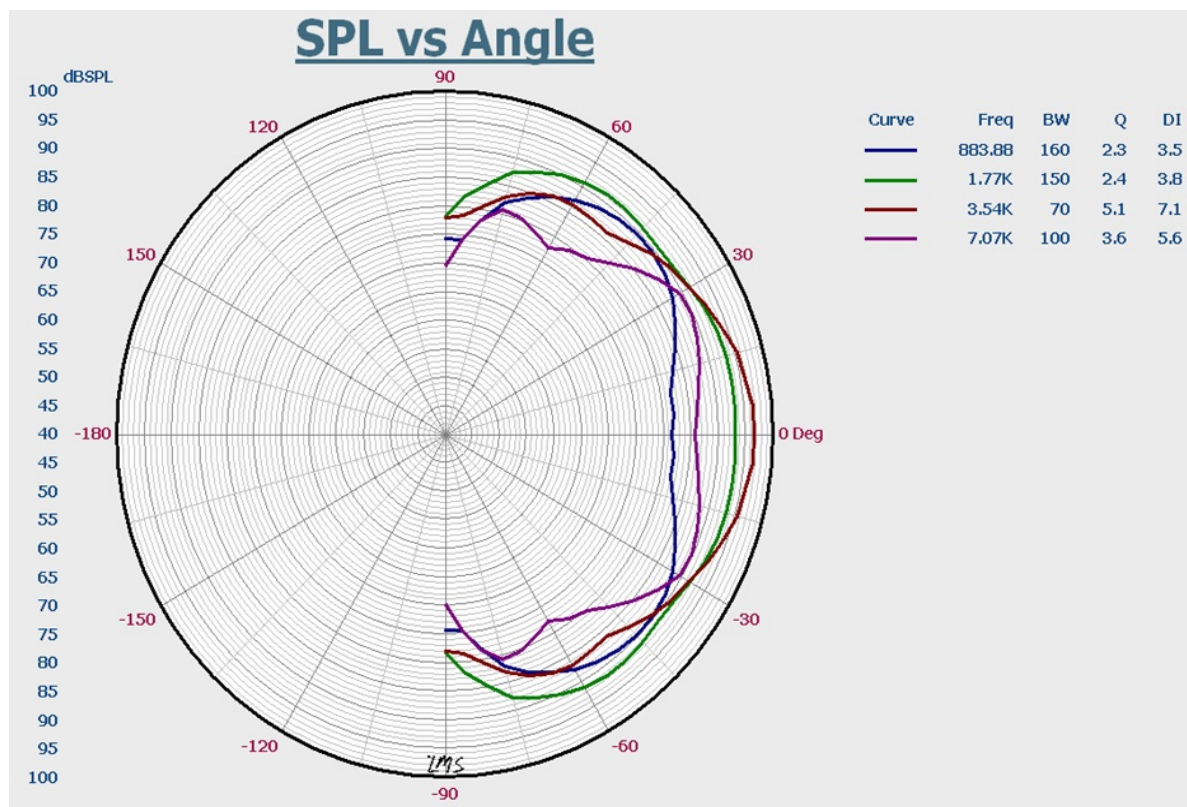
Interface	
Network I/F	RJ45 Connector, support PoE IEEE 802.3af/at
Bluetooth Input	×1, 2.4GHz
Audio Input	×1, Line/Mic input(Balanced,Switchable)
Input Sensitivity	-10dB(Line) , -20dB(Mic)
Audio Output	×3,3W/8Ω
Control Input	×2
Control Output	×1
Power Input	×1,DC24V
Reset Button	×1

Mechanical & Environment Properties	
Housing Material	Sheet Metal,ABS
Color	White
Working Temp	-10°C~+50°C
Humidity	≤90% RH non-condensing
Mounting Method	Recessed Installation
Installation Environment	Indoor Locations
Dimensions	φ180*120.5mm
Hole Dimension	φ150mm
Weight	740g
Warranty	2 Years

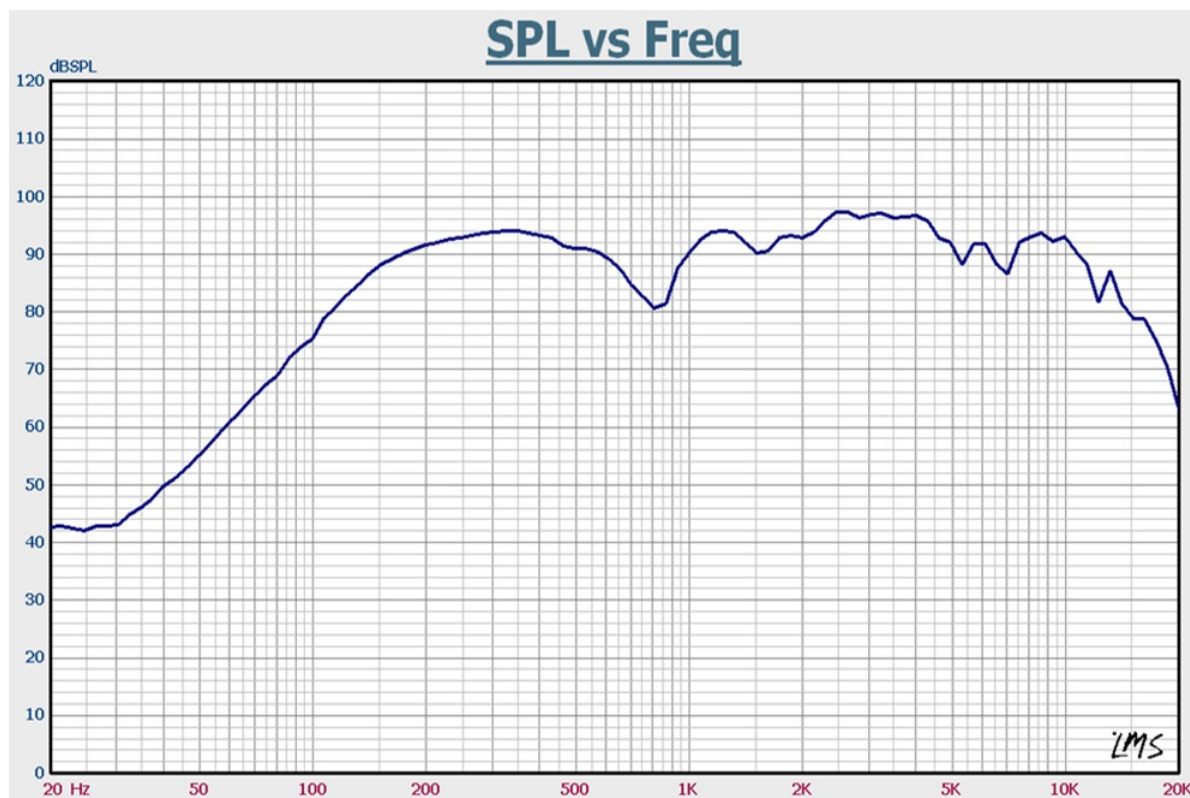
ACCESSORIES	
1×2pin Terminal(3.81-2P)	
1×6pinTerminal(3.5-6P)	
1×8pin Terminal(3.5-8P)	
1×Power Adapter(DC24V/1A)/Optional	
1 × Installation Manual	

SPECIFICATION

【Horizontal/Vertical Loudspeaker Directivity】



【 Frequency Response Curve】

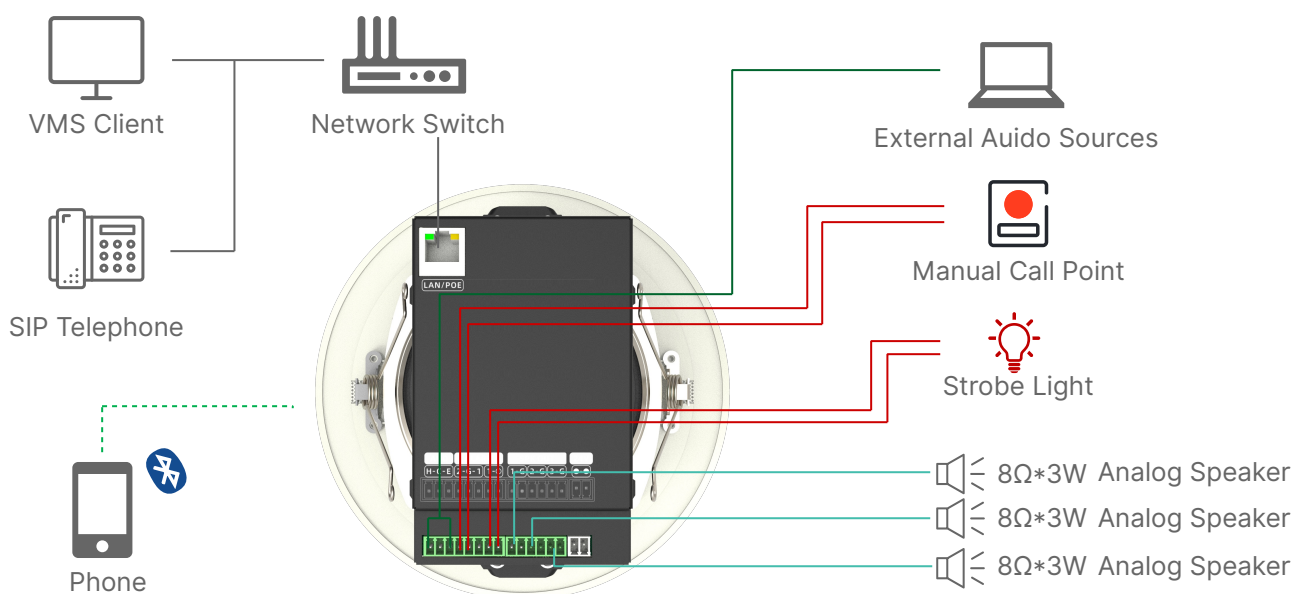


INTERFACE DESCRIPTION



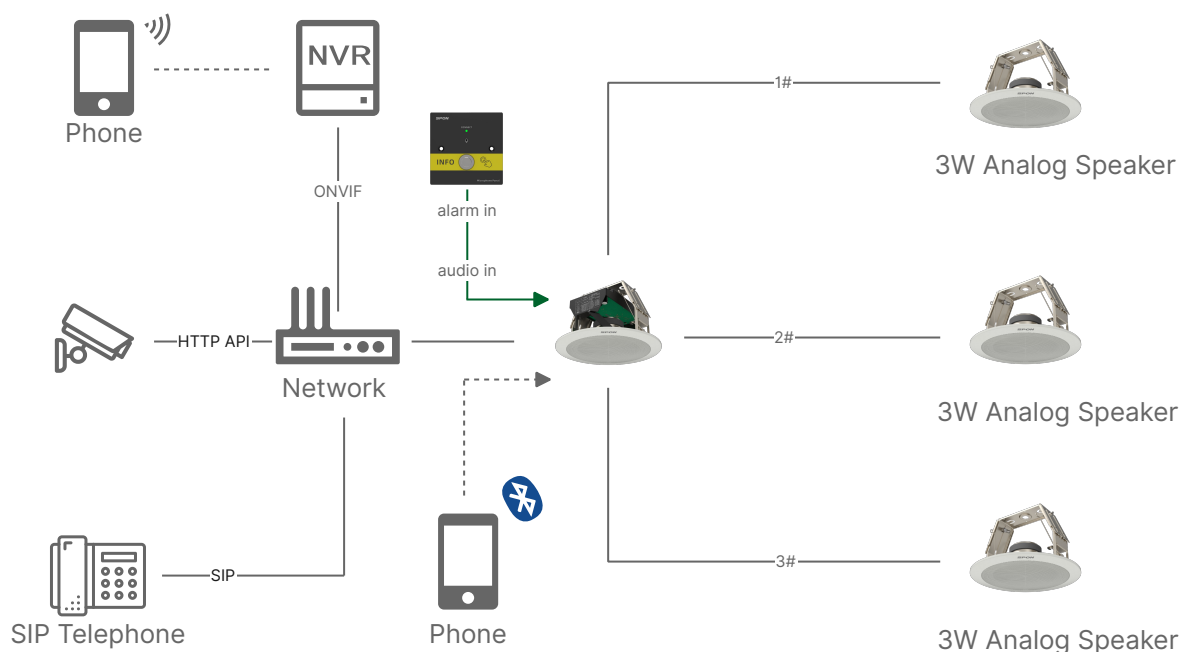
- ① RJ45 Connector
- ② Line/Mic Input Terminal
- ③ Alarm Input Terminal
- ④ Alarm Output Terminal
- ⑤ Speaker Output 1# Terminal
- ⑥ Speaker Output 2# Terminal
- ⑦ Speaker Output 3# Terminal
- ⑧ Power Input

CONNECTION DIAGRAM

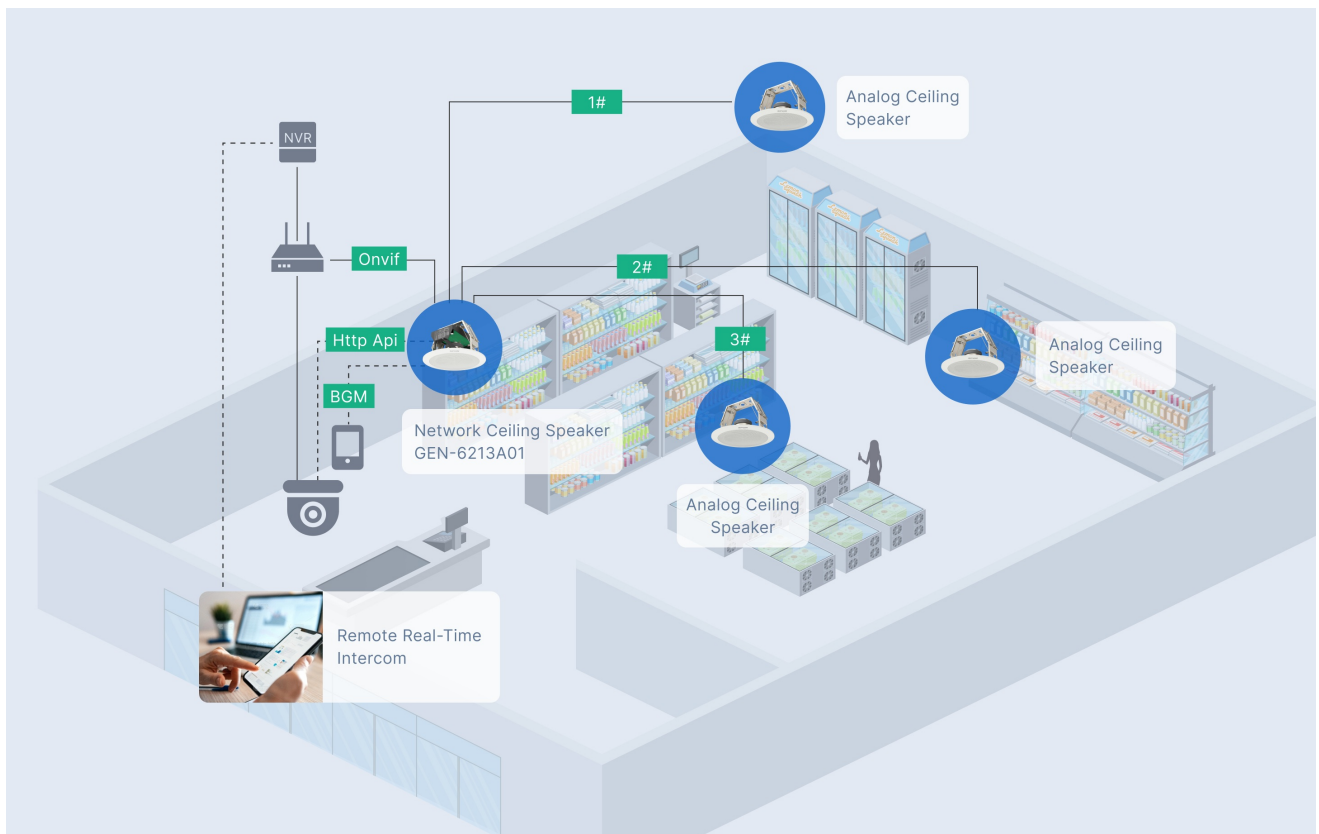


APPLICATION

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.



RETAIL STORE APPLICATION



INSTALLATION

