GEN-3001A03

Network Audio Interface

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The GEN-3001A03 is a network audio interface with DC/POE power support. It can receive calls from SIP phones or VMS platforms and handle up to 20 multicast streams. The device stores 20 audio files, offers priority management, timers, Bluetooth, and custom actions (with HTTP API trigger). It also features a built-in amplifier output, making it suitable for various applications.

SIP   **Onvif**   **POE**   **Multicast**   (Bluetooth)

MAIN FEATURES

▲ Network Audio Transmission

GEN-3001 Supports audio signal transmission over IP networks, enabling real-time audio transmission over long distances. The device is compatible with standard audio communication protocols (such as SIP, ONVIF, and multicast), allowing seamless integration into existing communication systems and flexible adaptation to various audio systems and devices.

▲ Multi-channel audio compatibility

GEN-3001 Provides a variety of input and output interfaces, enabling connection to multiple audio sources such as microphones, speakers, and alarm devices to meet audio needs of different scales. The device supports priority management for multiple tasks, allowing users to set priority levels for SIP, ONVIF, multicast, and broadcast events based on actual requirements, ensuring that critical audio information is transmitted first when needed.

▲ Remote control and system management

GEN-3001 Supports remote control over the network, allowing users to monitor and manage the audio system in real time from different locations, simplifying system maintenance and management. It also supports receiving custom event triggers through HTTP API, enabling automatic playback of preset audio, broadcast initiation, and more when needed, enhancing the responsiveness and flexibility of the audio system.

SPECIFICATION

Power Parameters

Power Supply	DC24V PoE (IEEE802.3af/at)
Power Cons	≤3W

Audio & Interface Parameters

Power Output	2*30W（Use DC 24V） 2*7W（Use POE/POE+）
Frequency Response	100~20KHz
Audio Trans	Multicast , ×20(Editable)
Audio Codec	Opus, PCMU (G.711u), PCMA (G.711a), G.722
Audio Input	×1, Line/Mic input(Balanced,Switchable)
Input Sensitivity	-10dB(Line) , -20dB(Mic)
Audio Output	×1(RCA Connector)，0dB
Control Input	×4
Control Output	×1 ,Relay output/DC12V output switchable
Speaker interface	×2
Bluetooth Input	×1 ,2.4GHz
Built-in Speaker	×1, 3W
Built-in Mic	×1,Electret Condenser Mic
Functional Key	×2, pattern/One-click call(Self-defined)
Audio Storage	Max 20 audio files ,80MB
Audio File Format	WAV，MP3

Network Parameters

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

Mechanical & Environment Properties

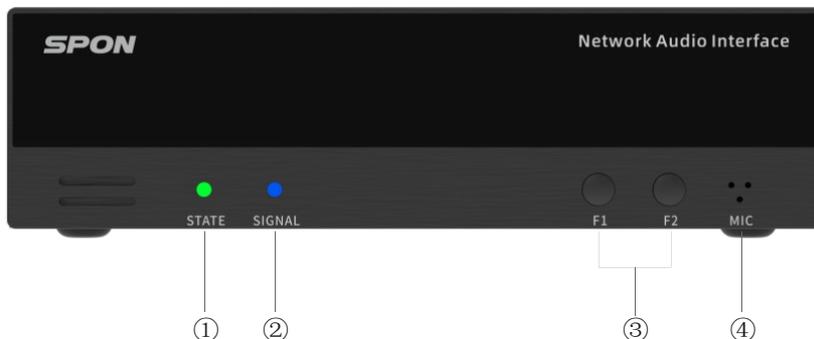| Mounting Method	Desktop,Wall Mount ,Rack Mount
Install Env	Indoor Locations
Working Temp	-10°C~+50°C
Housing Material	Sheet Metal
Color	Black
Dimensions	115*139*40mm
Weight	500g
Warranty	2 Years

ACCESSORIES

2×6pin Terminal(3.81-8P)
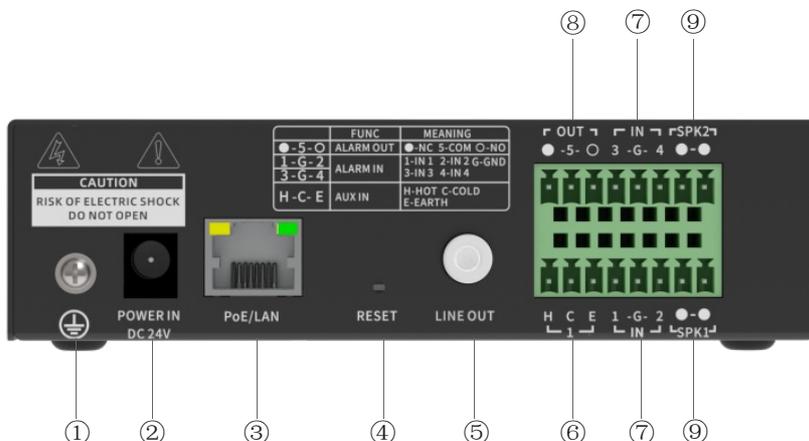
2×Wall Mount Bracket

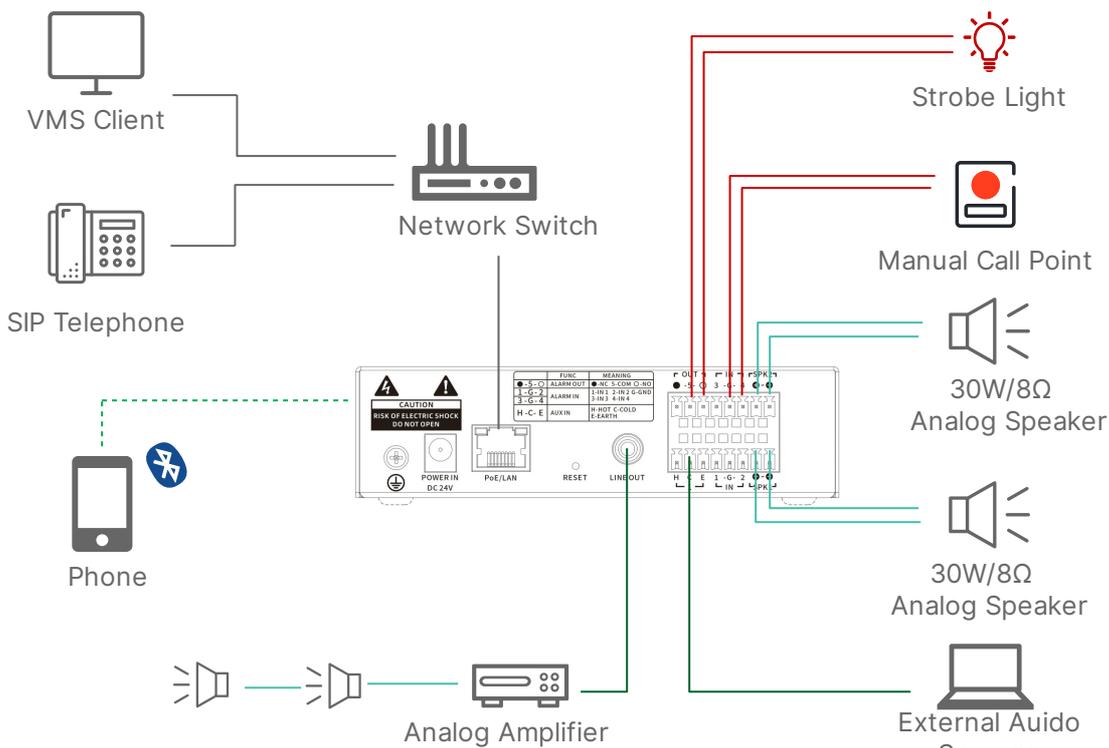1 × Installation Manual

02

INTERFACE DESCRIPTION

[Front Panel]

①State Indicator Light:Constant on when power on , flash when receive task.

②Signal Indicator Light:Default is off, constant on when bluetooth connection ,flash when receive bluetooth audio.

③F1/F2 Button:Can be defined as one-touch pattern, one-touch call.
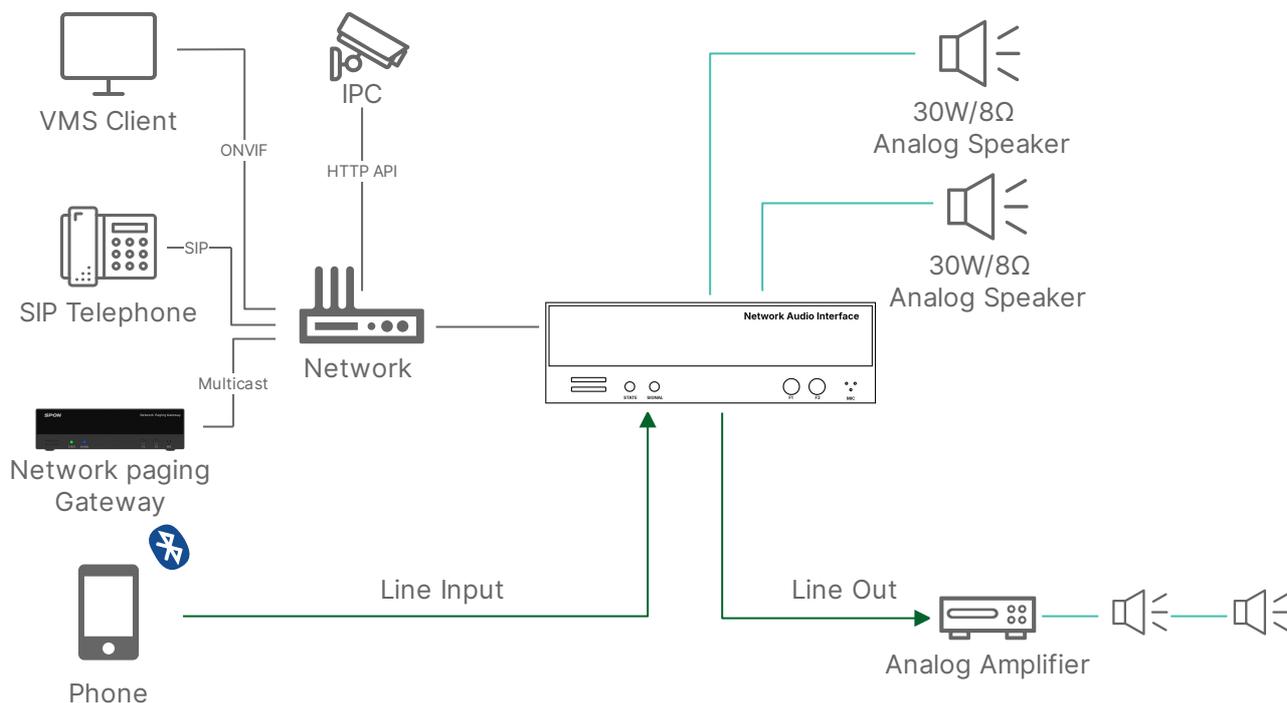
④Built-in Mic:Two-way communication.

[Rear Panel]

①Ground Terminal

②Power Input

③RJ45 Connector

④Reset Button

⑤Line Output Connector

⑥Line/Mic Input Terminal

⑦Alarm Input Terminal

⑧Alarm Output Terminal

⑨Speaker Output Terminal

CONNECTION DIAGRAM

VMS Client

SIP Telephone

Network Switch

Phone

Strobe Light

Manual Call Point

30W/8Ω Analog Speaker

30W/8Ω Analog Speaker

External Auido Sources

Analog Amplifier

APPLICATION

The GEN-3001 Network Audio Interface supports receiving audio streams via SIP, ONVIF, multicast, Bluetooth, and audio input. It can output these streams to analog amplifiers or speakers, ideal for public address system retrofits. The terminal features multiple I/O control interfaces (4 alarm inputs, 1 output) and supports HTTP commands, enabling integration with third-party systems.

VMS Client

IPC

ONVIF

HTTP API

SIP Telephone

SIP

Network

Multicast

Network paging Gateway

Network Audio Interface

30W/8Ω Analog Speaker

30W/8Ω Analog Speaker

Phone

Line Input

Line Out

Analog Amplifier

INSTALLATION

139 mm（5.47"）

SPON   Network Audio Interface

STATE   SIGNAL   F1   F2   MIC

40 mm（1.58"）
38 mm（1.50"）

116 mm(4.57")

4-M3 depth 6mm or 0.24inch
(0.29")
7.3 mm
55.5 mm (2.19")
(1.13")
28.75 mm
(0.47")
12 mm
(0.60")
15 mm
74 mm(2.91")
(0.51")
13 mm

115 mm(4.53")