



GEN-3001A03

Network Audio Interface

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



MAIN FEATURES

▲ Network Audio Transmission

GEN-3001A03 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-3001A03 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-3001A03 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

Audio Interfaces

Amplifier Output	2*30W/8Ω (Use DC 24V) 2*7W/8Ω (Use POE/POE+)
Audio Output	×1 (RCA Connector),0dB
Audio Input	×1, Line/Mic input (Balanced,Switchable)
Input Sensitivity	-10dB(Line) , -20dB(Mic)
Frequency Response	100Hz~20KHz
Bluetooth Input	×1,2.4GHz

Other Interfaces

Power Input	×1,DC24V
Network I/F	RJ45 Connector, support PoE IEEE 802.3af/at
Control Input	×4
Control Output	×1,Relay output/DC12V output switchable
Functional Key	×2,Pattern/One-click call(Self-defined)
Monitor Speaker	×1,Built-in,3W
Reset Button	×1
Bluetooth Status LED	×1,Blue
Task Status LED	×1,Green

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

SPECIFICATION

Microphone

Microphone	Electret condenser microphone
Directionality	Omni-directional
Installation method	Built-in
Sensitivity	-45±3dB
SNR	58dB
Max Input Sound Level	110dB(THD < 1%)

Network

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

Mechanical & Environment Properties

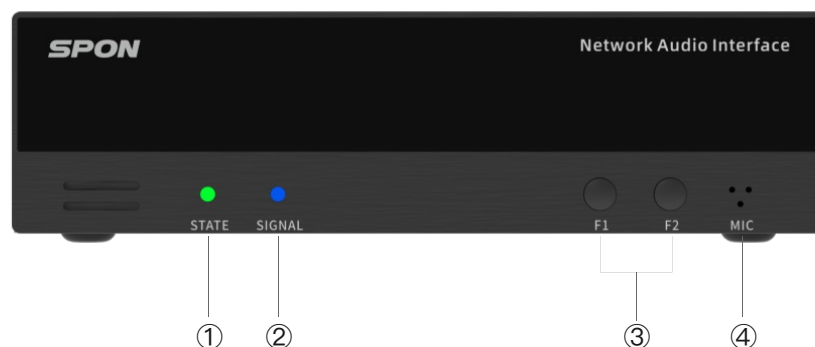
Housing Material	Sheet Metal
Color	Black
Working Temp	-10°C~+50°C
Humidity	≤90% RH non-condensing
Mounting Method	Desktop,Wall Mount ,Rack Mount
Installation Environment	Indoor Locations
Dimensions	115*139*40mm
Weight	500g
Warranty	2 Years

ACCESSORIES

2×8pin Terminal(3.81-8P)
1×Power Adapter(DC24V/2.7A)/Optional
2×Wall Mount Bracket
1 × Installation Manual

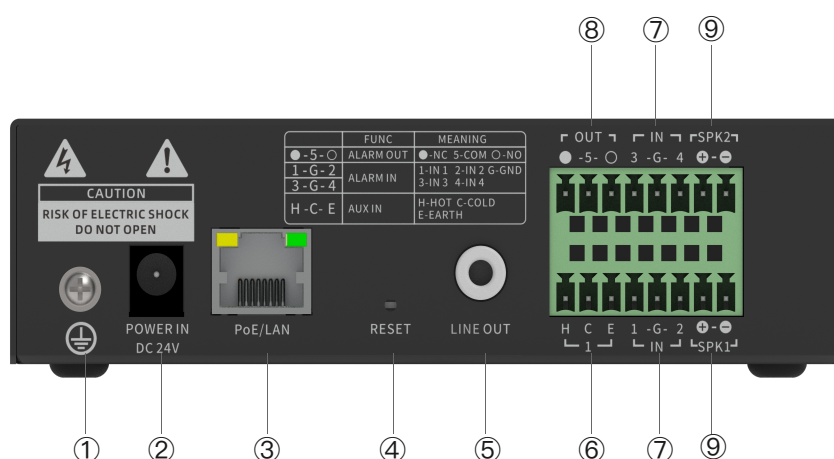
INTERFACE DESCRIPTION

[Front Panel]



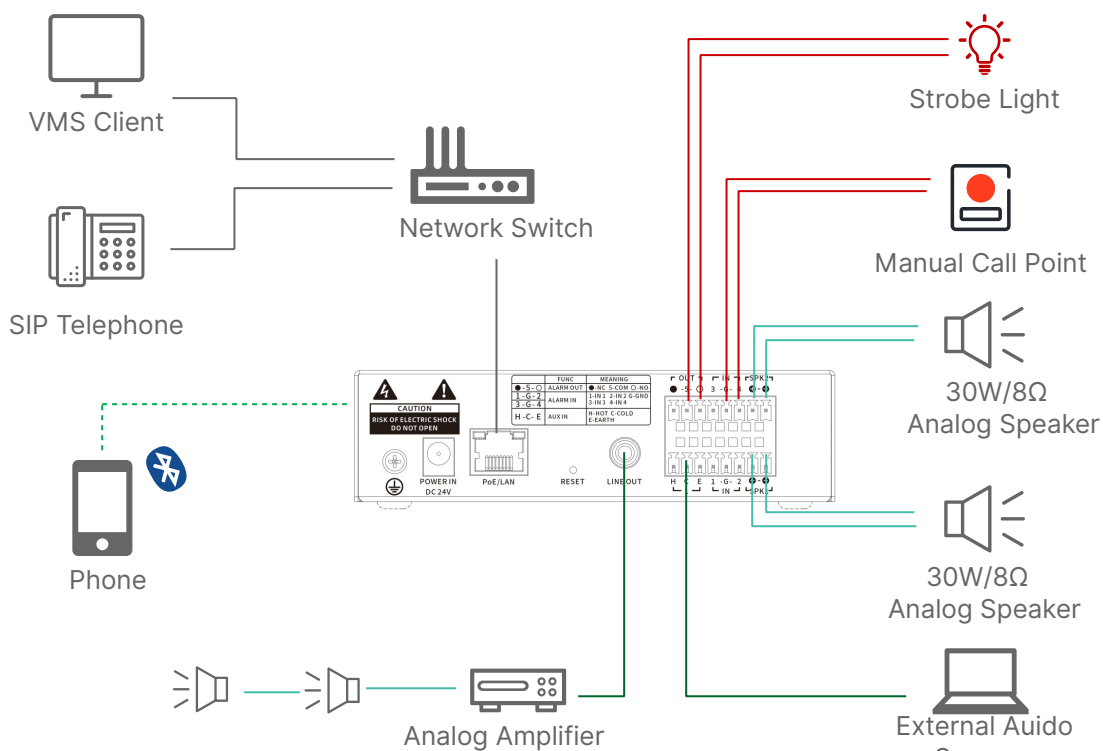
- ① State Indicator Light: Constant on when power on , flash when receive task.
- ② Signal Indicator Light: Default is off, constant on when bluetooth connection ,flash when receive bluetooth audio.
- ③ F1/F2 Button: Can be defined as one-touch pattern, one-touch call.
- ④ Built-in Mic: Two-way communication.

[Rear Panel]



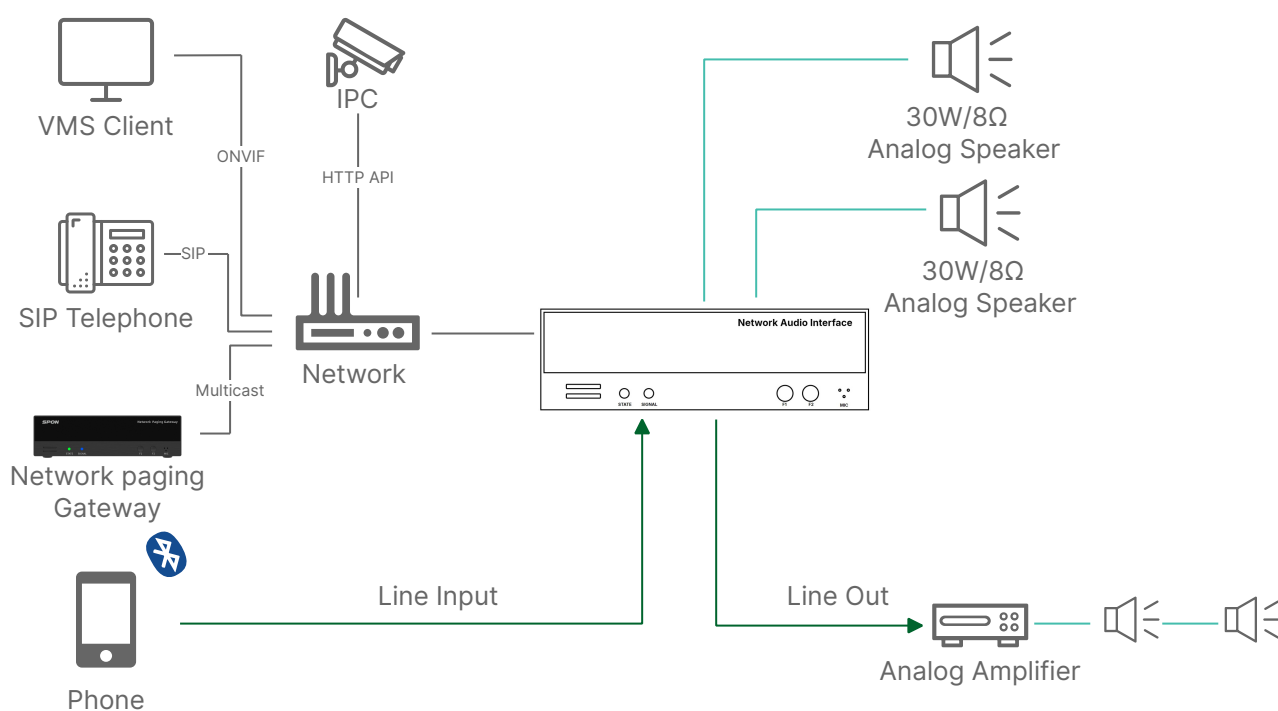
- ① Ground Terminal
- ② Power Input
- ③ RJ45 Connector
- ④ Reset Button
- ⑤ Line Output Connector
- ⑥ Line/Mic Input Terminal
- ⑦ Alarm Input Terminal
- ⑧ Alarm Output Terminal
- ⑨ Speaker Output Terminal

CONNECTION DIAGRAM



APPLICATION

The GEN-3001A03 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.



INSTALLATION

