



GEN-3101A01

Network Audio Bridge

GEN-3101A01 is a PoE-powered network audio interface that supports SIP/VMS calls, up to 20 multicast streams, local audio storage, priority control, scheduled playback, HTTP API triggers, and built-in amplifier output—ideal for various audio applications.

SIP

Onvif

POE

Multicast

MAIN FEATURES

▲ Network Audio Transmission

GEN-3101A01 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.

▲ 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.

▲ Remote control and system management

GEN-3101A01 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	15W/8Ω (Use POE/POE+)
Audio Output	×1,0dB
Mic Input	×1,-20dB
Frequency Response	100Hz~20KHz

Other Interfaces

Network I/F	RJ45 Connector, support PoE IEEE 802.3af/at
Control Input	×1
Status LED	×1,3.3V
Reset Button	×1

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	≥90dB

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

SPECIFICATION

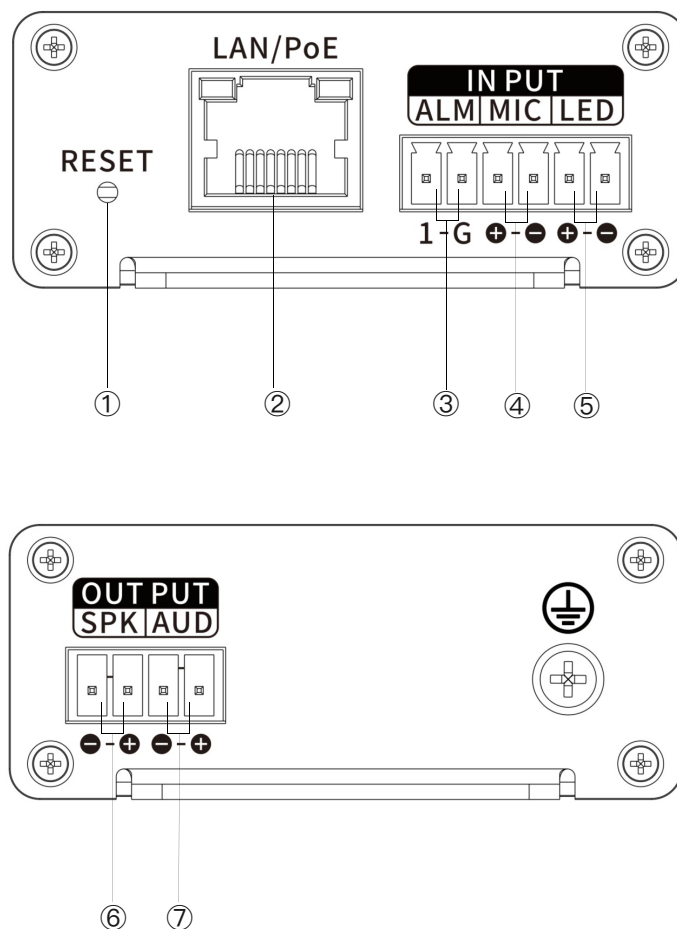
Mechanical & Environment Properties

Housing Material	Aluminum Alloy
Color	Black
Working Temp	-10°C~+50°C
Humidity	≤90% RH non-condensing
Mounting Method	Wall-mounted installation
Installation Environment	Indoor Locations
Dimensions	126*66*27mm
Weight	160g
Warranty	2 Years

ACCESSORIES

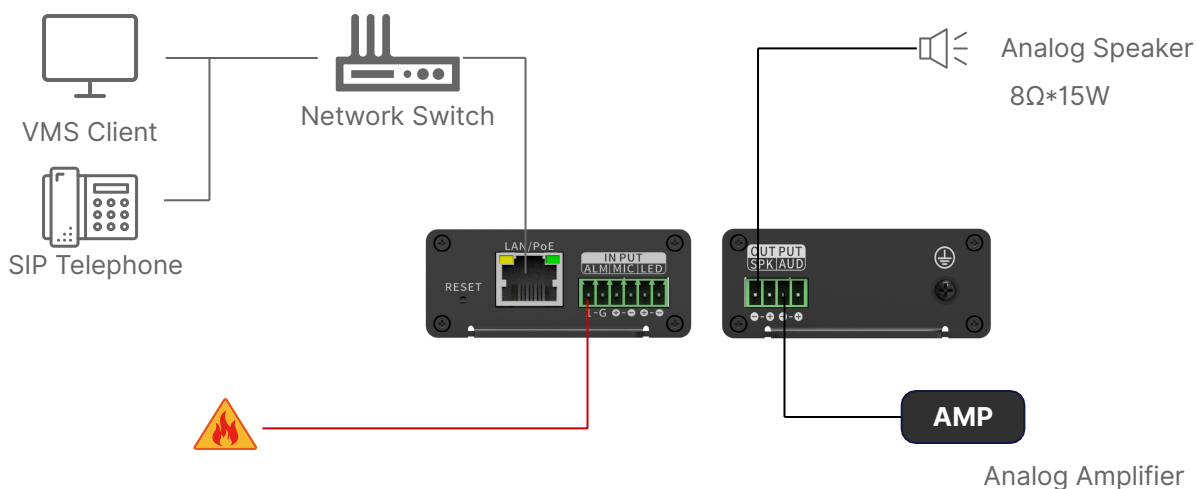
1×wiring Terminal(3.5-6P)
1×wiring Terminal(3.5-4P)
1 × Installation Manual

INTERFACE DESCRIPTION



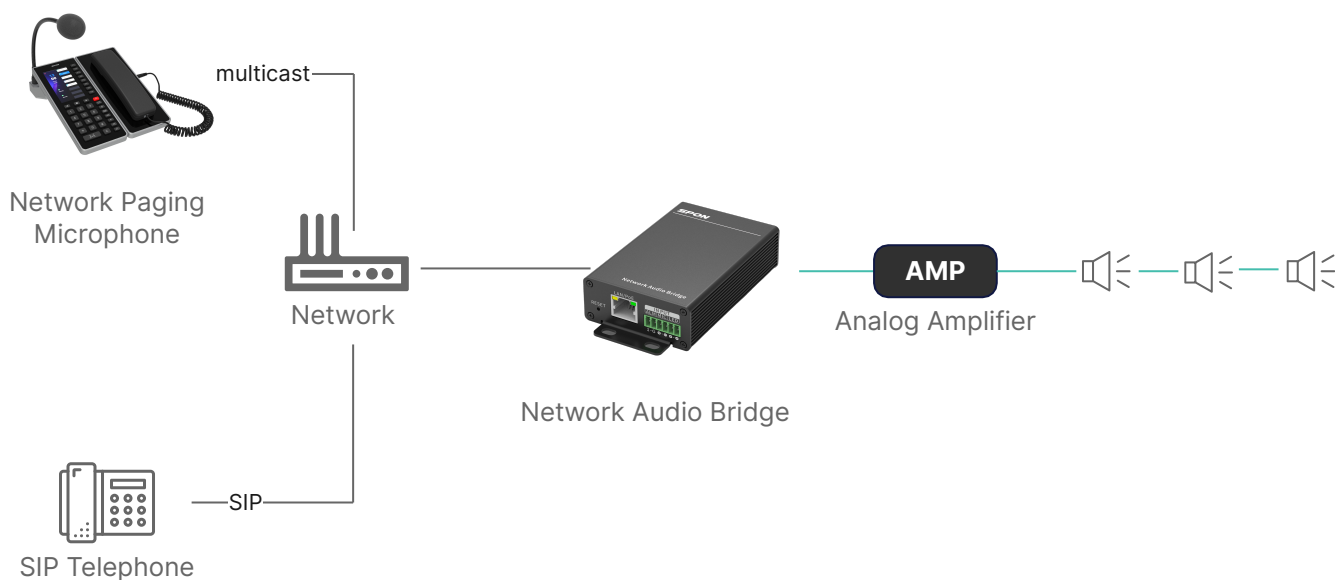
- ① Reset
- ② RJ45 Connector
- ③ Alarm Input Terminal
- ④ Mic Input Terminal
- ⑤ Status LED
- ⑥ Power Output Terminal
- ⑦ Line Output Terminal

CONNECTION DIAGRAM



APPLICATION

The GEN-3101A01 Network Audio Bridge supports direct calls from SIP or VMS platforms and can be used with SPON software to enable broadcasting functions. It features one built-in audio output channel that converts network signals into analog output, making it especially suitable for upgrading traditional analog broadcasting systems by integrating them into IP network broadcasting platforms.



INSTALLATION

unit:mm

