



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-3101 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-3101 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 PoE (IEEE802.3af/at)

Power Cons ≤3W

Audio & Interface Parameters

Power Output 15W@8Ω

Frequency Response 100~20KHz

Audio Trans Multicast , ×20(Editable)

Audio Codec Opus, PCMU (G.711u),
PCMA (G.711a), G.722

SNR 90dB

Mic Input ×1, -20dB

Control Input ×1

Status LED ×1, 3.3V

Speaker interface ×1

Audio Output ×1, 0dB

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 Wall-mounted installation

Install Env Indoor Locations

Working Temp -10°C~+50°C

Housing Material Aluminum Alloy

Color Black

Dimensions 126*66*27mm

Weight 160g

Warranty 2 Years

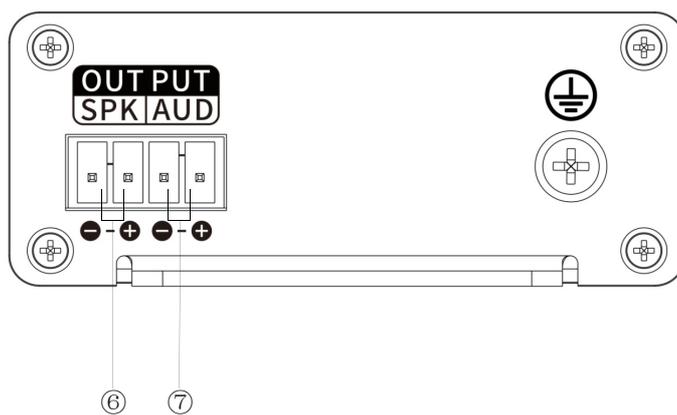
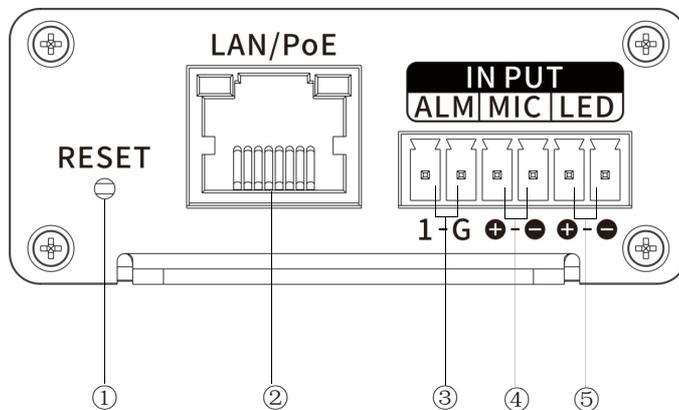
ACCESSORIES

1×wiring Terminal(3.5-6P)

1×wiring Terminal(3.5-4P)

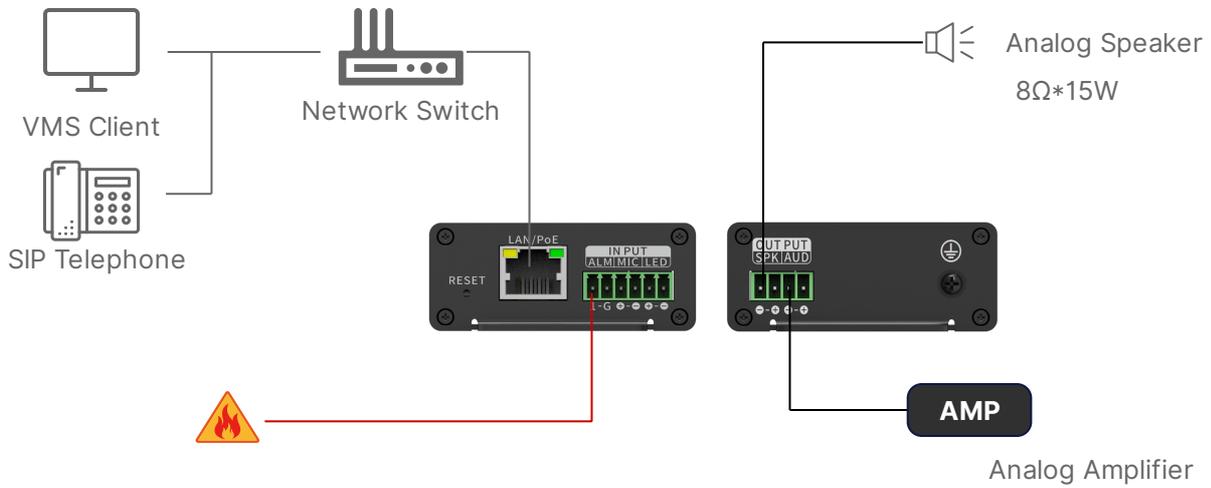
1 × Installation Manual

INTERFACE DESCRIPTION



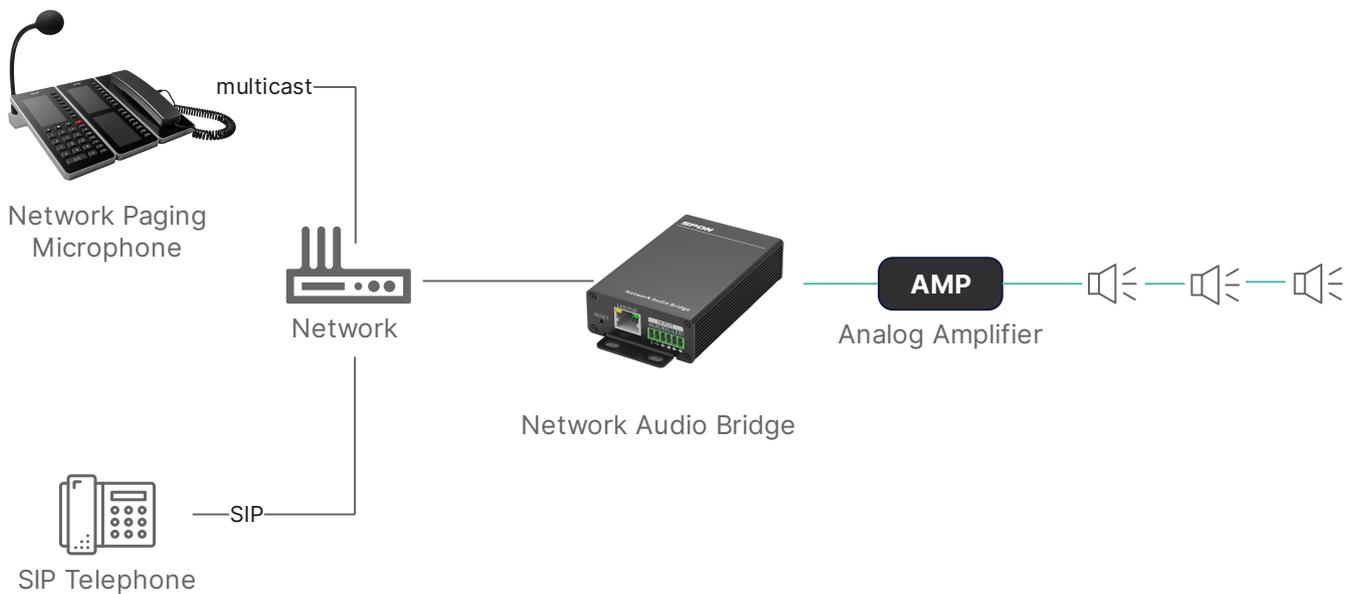
- ① Reset
- ② RJ45 Connector
- ③ Alarm Input Terminal
- ④ Mic Input Terminal
- ⑤ Status LED
- ⑥ Power Output Terminal
- ⑦ Line Output Terminal

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

