

## GEN-2001

### Network Paging Gateway



GEN-2001 is a POE-powered Network Paging Gateway that converts ONVIF and SIP system audio, as well as built-in audio files, Bluetooth, and line input audio, into multicast streams. It also offers expansion interfaces, control I/O, a built-in timer, remote API event triggers, and supports multiple simultaneous HTTP commands.

SIP

Onvif

POE

Multicast



## MAIN FEATURES

### ▲ Network Audio Broadcast Function

Supports audio broadcast over an IP network, efficiently transmitting audio signals to multiple devices. This feature allows audio signals to be played synchronously across different areas and locations, making it particularly suitable for large-scale sound systems and public address applications. Users can remotely manage audio streams via the network to ensure clear and real-time transmission of broadcast content.

### ▲ Multiple Input Source Support

Provides a variety of audio input options to meet different application scenarios. It supports playback of audio files stored locally (MP3 or WAV formats) and audio input from microphones or other external devices. Additionally, it allows Bluetooth devices or other audio input sources to be connected, offering greater flexibility and adaptability for various usage environments.

### ▲ Remote Control and Management

This device features powerful remote control capabilities, supporting real-time management and configuration over the network. Users can control the device remotely via an API interface, selecting audio sources, setting scheduled playback tasks, and more. Additionally, broadcast events can be triggered remotely via the network, and system monitoring can be performed to ensure efficient operation and timely responses, greatly enhancing the convenience and operability of management.

# SPECIFICATION

## Power Parameters

Power Supply PoE (IEEE802.3af/at)

Power Cons ≤3W

## Audio & Interface Parameters

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)

Output Sensitivity 0dB

Control Input ×4

Control Output ×1 ,Relay output/DC12V  
output switchable

Bluetooth Input ×1 ,2.4GHz

Built-in Speaker ×1, 3W

Built-in Mic ×1,Electret Condenser Mic

Functional Key ×2, Multicast/One-click  
call(Self-defined)

Audio Storage Max 20 audio files ,80MB

Audio File Format WAV, MP3

Command Set ×10 Sets,20 commands/set

## 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

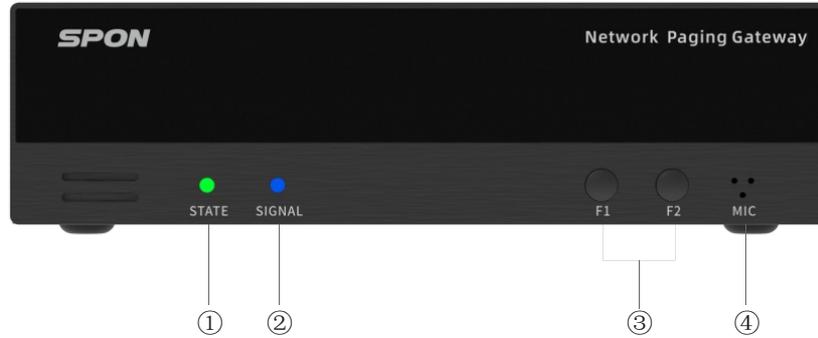
2×6pin Terminal(3.81-6P)

2×Wall Mount Bracket

1 × Installation Manual

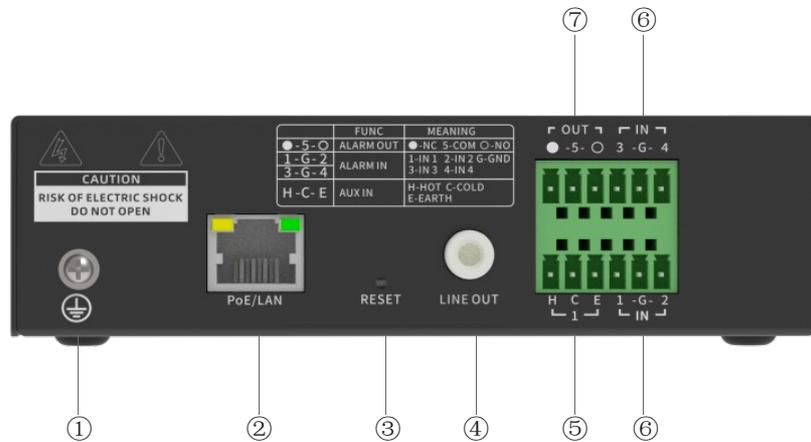
# INTERFACE DESCRIPTION

## [Front Panel]



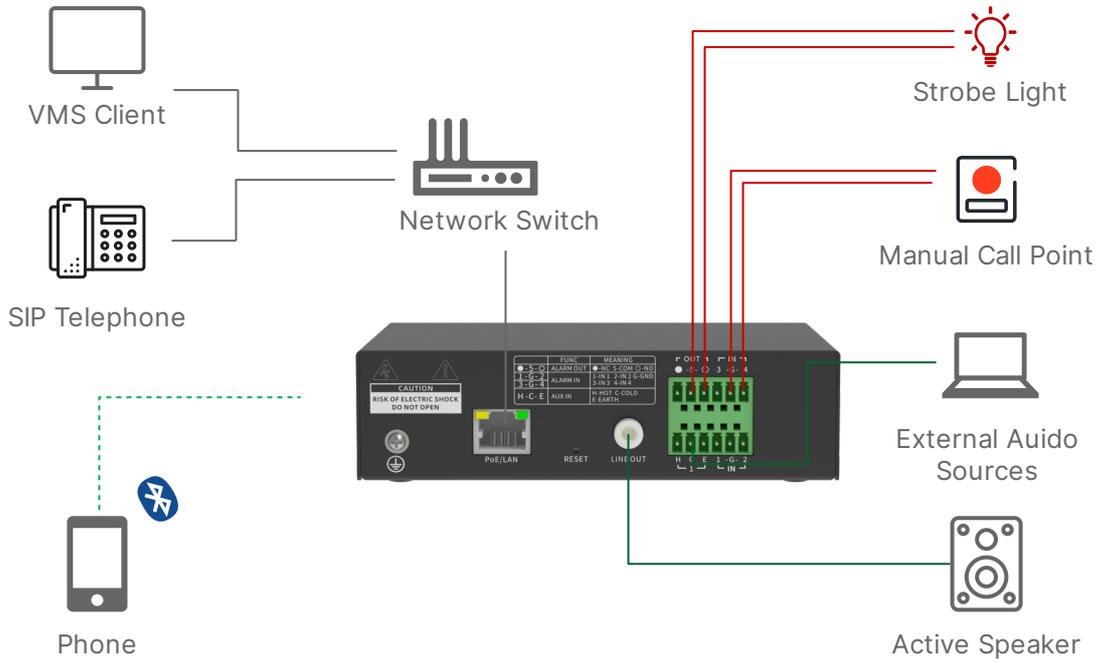
- ① State Indicator Light: Constant on when power on , flash when receive task.
- ② Signal Indicator Light: Default is off, constant on when bluetooth connection ,flash when receive bluetooth audio.
- ③ F1/F2 Button: Can be defined as one-touch multicast, one-touch call.
- ④ Built-in Mic: Two-way communication.

## [Rear Panel]



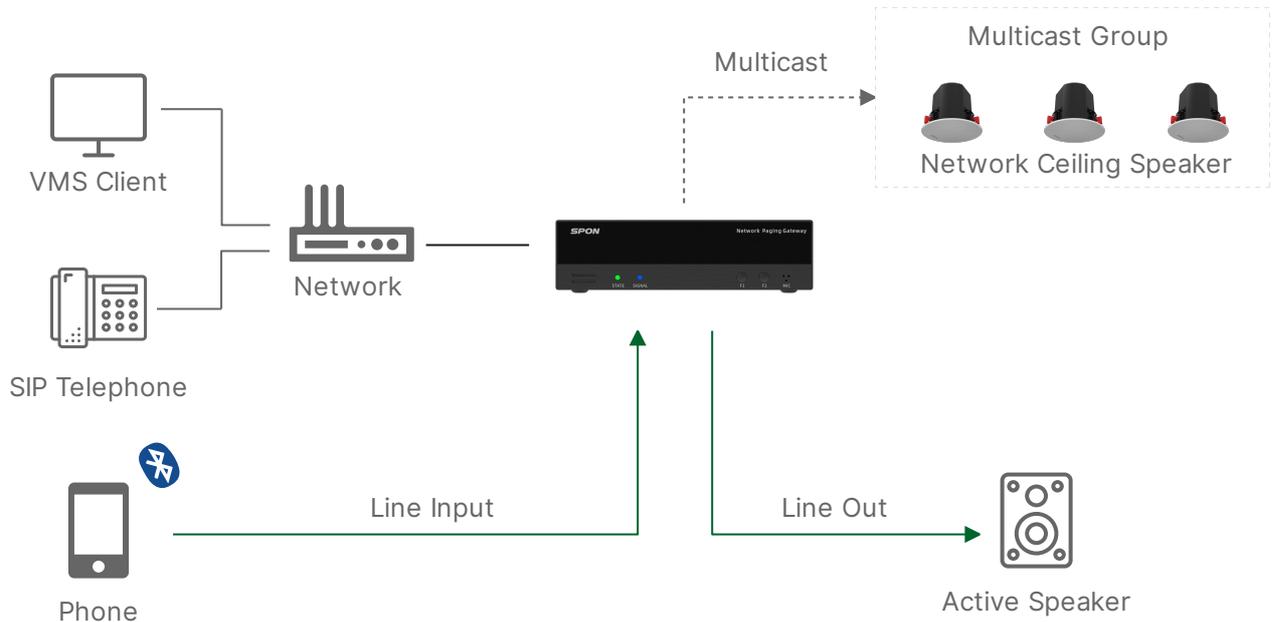
- ① Ground Terminal
- ② RJ45 Connector
- ③ Reset Button
- ④ Line Output Connector
- ⑤ Line/Mic Input Terminal
- ⑥ Alarm Input Terminal
- ⑦ Alarm Output Terminal

# CONNECTION DIAGRAM



# APPLICATION

- The Network Paging Gateway GEN-2001 supports receiving audio streams in multiple ways and forwarding audio streams through multicast or line output to the speakers.
- In addition, it also supports sending the audio streams through Http url and dry contact input.



# INSTALLATION

