



NAS-8521A

IP Split Type Audio Intercom Controller

SPON IP Split Type Audio Intercom Controller NAS-8521A is equipped with our company's proprietary IP Audio digital network audio technology, supporting functions such as audio output, recording output, alarm input/output, and SD card playback. It can drive up to 16 panels. It features remote background music playback and bidirectional intercom with other IP network intercom terminals.

Built-In Recording
Output

High
Security

2-Channel Alarm
Input And Output

Daisy-chain

MAIN FEATURES

▲ Design and Security

- Unique Split Type Design: Prevents exposure of network cables, enhancing local network security.

▲ Configuration and Connectivity

- User-Friendly Web Interface: Simplifies configuration for easy setup and management.
- Daisy-Chain Connection: Each controller can connect to up to 8 intercom panels for expanded coverage.
- Extended Range: Supports connections up to 150 meters between the controller and connected panels.

▲ Functionality and Integration

- Network Audio Encoder/Decoder Integration: Acts as a bridge between connected intercom panels and IP audio intercom master stations.
- Record Output: Enables audio recording of voice communication via external storage devices.

▲ Audio Output and Automation

- Built-in Digital Amplifier: Drives up to two 8-ohm passive analog speakers for clear audio output.
- Automated Playback: Custom audio files stored in SD card can be played automatically by triggering relay inputs.

▲ Software Compatibility

- Integration with SPON® XC-9000: Works seamlessly with audio management software for advanced features including two-way communication and live voice announcements.

SPECIFICATION

POWER PARAMETERS

Power Supply	DC12V/2A
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Power Consumption	≤23W
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AUDIO PARAMETERS

Audio Codec	MP2, MP3, PCM, ADPCM
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Audio Sampling & Bit Rate	8kHz~44.1kHz, 16bit, 8kbps~320kbps
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Built-In Amplifier	2*10W
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S/N(Broadcast-Speaker)	>85dB
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Frequency Response	20Hz~16KHz
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NETWORK PARAMETERS

Network I/F	10BASE-T/100BASE-TX RJ45
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Network Protocol	TCP/IP、UDP、FTP、HTTP、 ARP、ICMP、IGMP
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Configuration Method	Web Interface Or DevConfig Tool
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MECHANICAL&ENVIRONMENT PROPERTIES

Installation Method	Rack Mount
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Installation Environment	Dry Indoor Locations Only
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Operating Temperature	-10°C~55°C
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Operating Humidity	≤90% RH Non-Condensing
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Housing Material	Plastic
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Color	Silver
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Product Dimensions	210×155×44.5mm
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Product Weight	0.5kg
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Product Warranty	2 Years
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ACCESSORIES

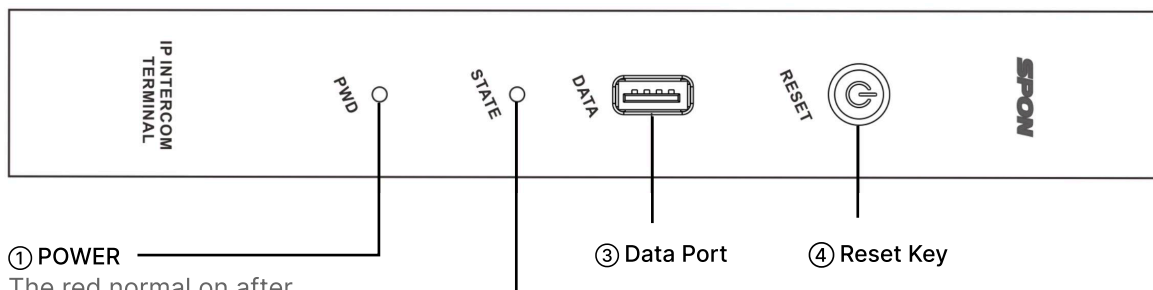
1 × Quick Installation Guide

1 × Certification Card

2 × Terminal(3.81-8P)

INTERFACE DESCRIPTION

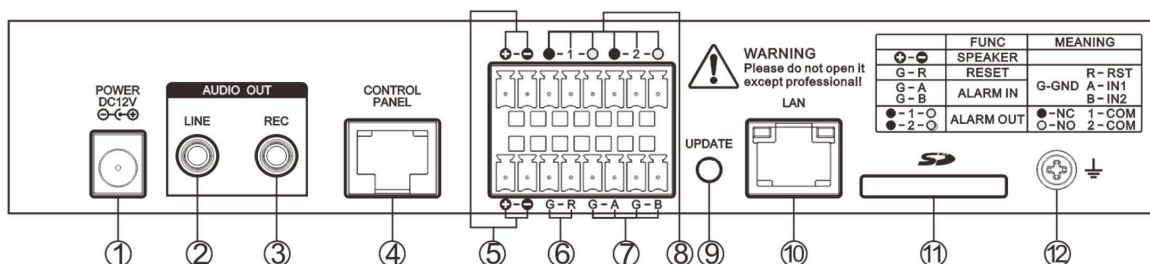
[Front Panel]



① **POWER**
The red normal on after power on.

② **Status Light**
Off-line State: Red flash slowly
Free-state: Green normal on
Intercom State: Red flash fast
Broadcast State: Green flash fast

[Rear Panel]



① **Power Interface**

③ **Record Output Interface**

⑤ **Internal Power Amplifier Output Port**

⑦ **G-A is alarm input 1, G-B is alarm input 2**

⑨ **System Configuration Button**

⑪ **SD Card Socket**

② **Audio Output Interface**

④ **Panel Connector**

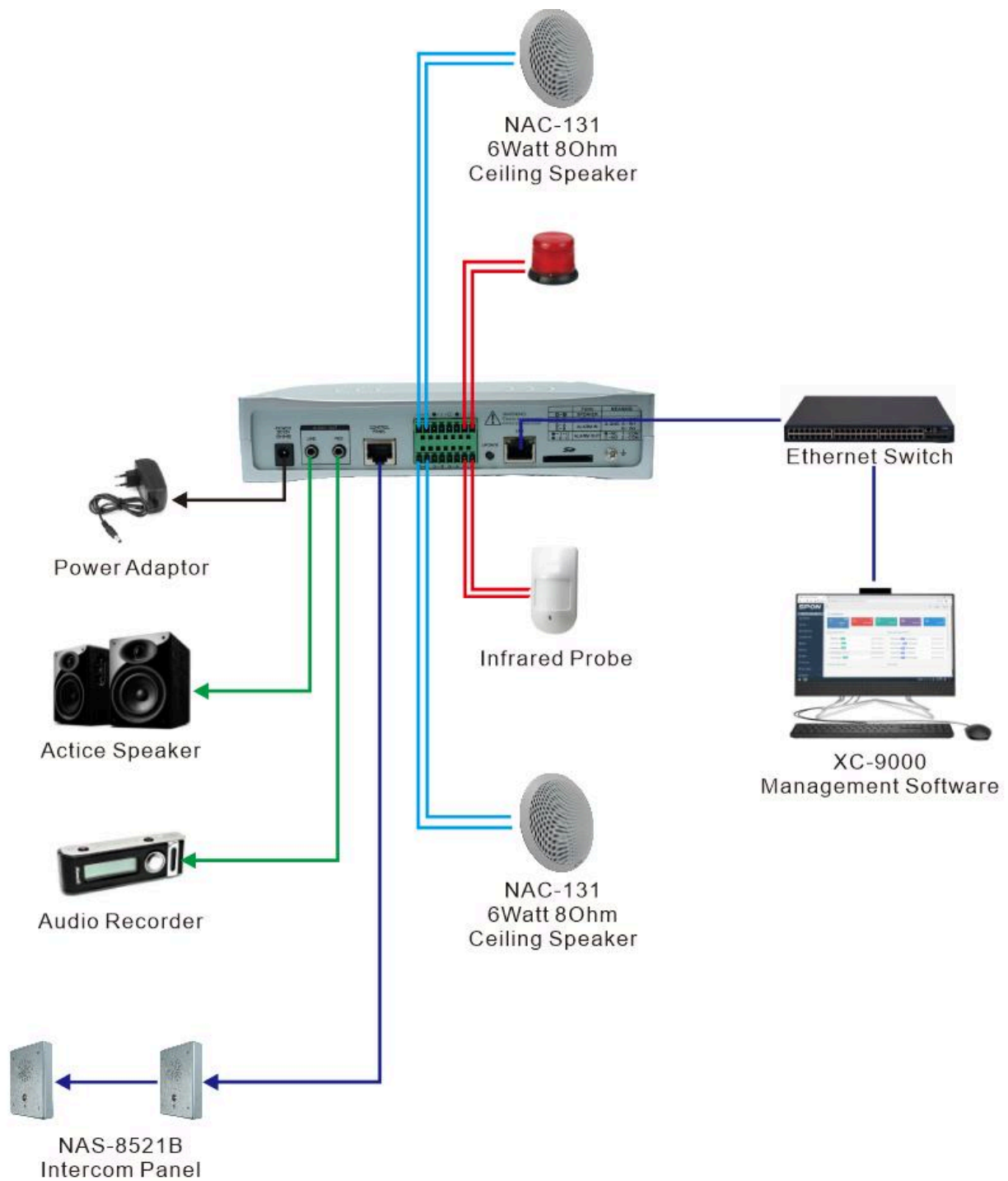
⑥ **Reset Interface**

⑧ **Alarm Output Port**

⑩ **Network Input Port**

⑫ **SD Card Socket**

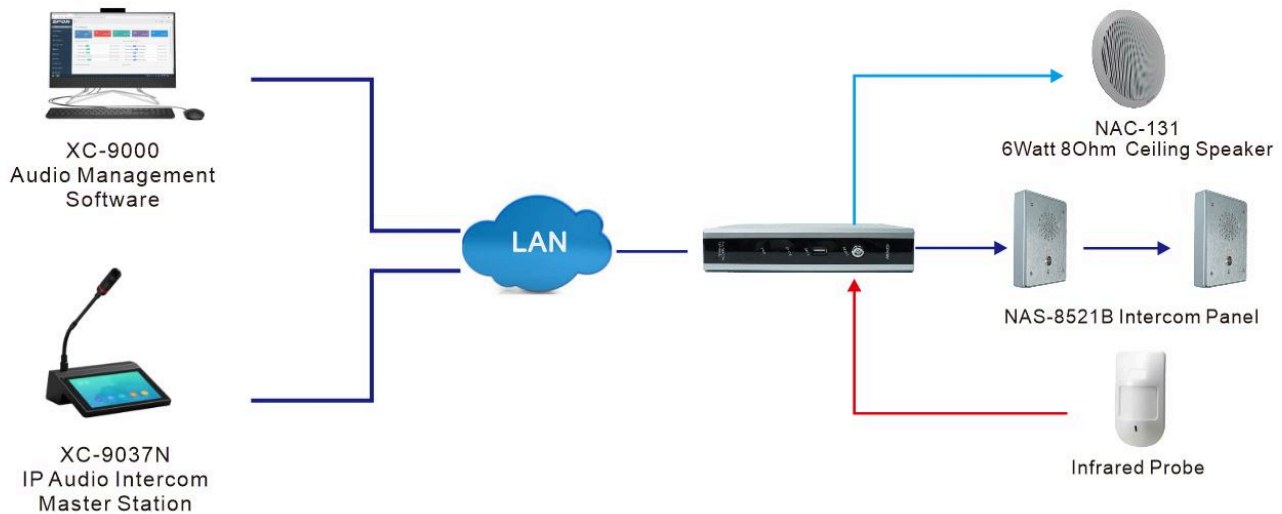
CONNECTION DIAGRAM



APPLICATIONS

Application 1

IP Split Type Audio Intercom Controller NAS-8521A can be connected with intercom panel NAS-8521B to make two-way intercom with IP Master station. Meanwhile, it has relay input and built-in amplifier to connect with infrared probe and ceiling speaker, when there is relay input signal to the controller, the upload file will be triggered to play on the ceiling speaker.



DIMENSIONAL DRAWING

