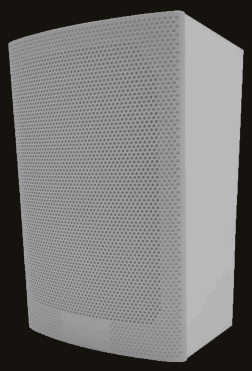


NAS-8507A

IP Wall Mount Speaker

The IP Wall Mount Speaker NAS-8507A is embedded with SPON proprietary IP Audio digital network audio technology. The speaker is equipped with power input interface, line input/output interface, RJ45 network interface, etc. Optional accessories include UHF wireless module, constant voltage backup, secondary speaker output. It supports functions such as receiving terminal broadcast, network broadcast, and local broadcast.

All In One Design | auxiliary speakers supported | 2*20W | Class D amplifier

MAIN FEATURES

▲ Wall-Mounted Design

- Space-Saving Installation: Designed for wall-mounted placement, conserving space and ensuring convenient positioning.

▲ Audio Integration and Quality

- Network Audio Decoding: Integration with network audio decoding technology for efficient audio processing.
- Hi-Fi Speaker and Class-D Amplifier: Built-in Hi-Fi speaker and Class-D power amplifier for high-quality sound reproduction (2×20W/8Ω).

▲ Connectivity and Interfaces

- Audio Line Input and Output: Equipped with a 3.5mm Audio Line Input interface for external audio source connection. Features a 3.5mm Audio Line Output interface for connection to active speakers.
- Amplifier Output Interface: Includes an Amplifier Output interface for connection to auxiliary passive speakers such as NAC-301C (20W).

▲ Performance and Maintenance

- High-Speed Dual-Core Chip: Utilizes a high-speed industrial-grade dual-core (ARM+DSP) chip for rapid startup (≤ 1 second).
- Loop Detector for Remote Monitoring: Built-in loop detector enables remote monitoring of speaker operation, facilitating easy maintenance.

▲ Remote Control and Compatibility

- Remote Volume Adjustment: Supports remote volume adjustment of the speaker through server software.
- Local Audio Input Adjustment: Allows rotary knob volume adjustment for local audio input.
- Ethernet Accessibility: Equipped with a standard RJ45 interface for seamless integration with the system, supporting cross-segment and cross-router connectivity.

SPECIFICATION

POWER PARAMETERS

Power Supply:	DC24V/2A
Standby Power Consumption:	≤3W
Rated Power Output:	2*20W(8Ohm)

AUDIO PARAMETERS

Audio Codec:	MP2, MP3, PCM, ADPCM
S/N (Signal-To-Noise) Ratio:	≥88dB
Audio Sampling & Bit Rate:	8kHz~48kHz, 16bit, 8kbps~320kbps
Frequency Response:	200Hz~18kHz
Total Harmonic Distortion:	≤0.3% @1kHz 1/2 Output Power

NETWORK PARAMETERS

Network I/F:	10BASE-T/100BASE-TX RJ45
Network Protocol:	TCP/IP, UDP, ARP, ICMP, IGMP
Configuration Method:	Web Interface Or DevConfig Tool

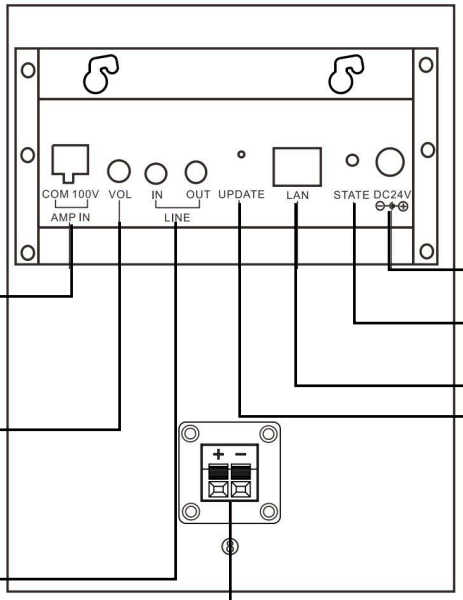
MECHANICAL & ENVIRONMENT PROPERTIES

Mounting Method:	Wall-Mounted
Installation Environment:	Dry Indoor Locations Only
Operatiing Temperature:	0°C~+45°C
Operating Humidity:	≤90% RH Non-Condensing
Body Material:	Wooden
Color:	White
Net Material:	Plastic
Product Dimensions:	157×147×246mm
Product Weight:	1.9kg
Product Warranty:	2 Years

ACCESSORIES

- 1 × Terminal Connector (5.08-2P)
- 1 × Bracket
- 1 × Plastic Expansion
- 3 × Tapping Screw
- 1 × Quick Installation Guide
- 1 × Warranty Card
- 1 × Quality Certificate

INTERFACE DESCRIPTION



⑦ **Amp In:**
Constant voltage input interf ace, it`s use for connect con stant voltage backup power amplifier audio power output (100V).(Optional)

⑥ **Vol:**
Volume controller, it can control line input volume.

⑤ **Line:**
Line input/output interface.
IN: Line input interface.
OUT: Line output interface.

① **Power Input Interface**

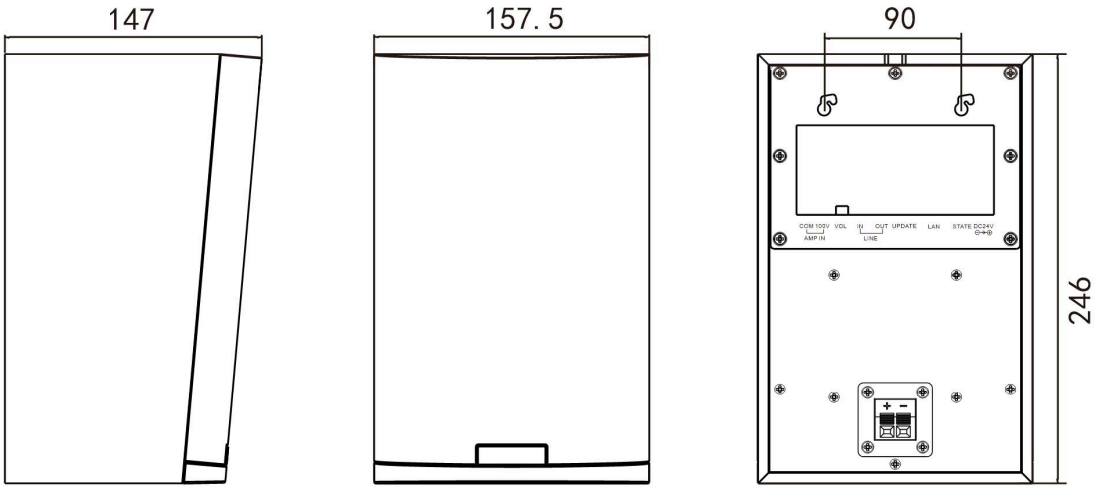
② **State :**
The indicator status, different indicator means the terminal in different status.

③ **Lan:**
The network interface, 10M/100M self-adaption. .

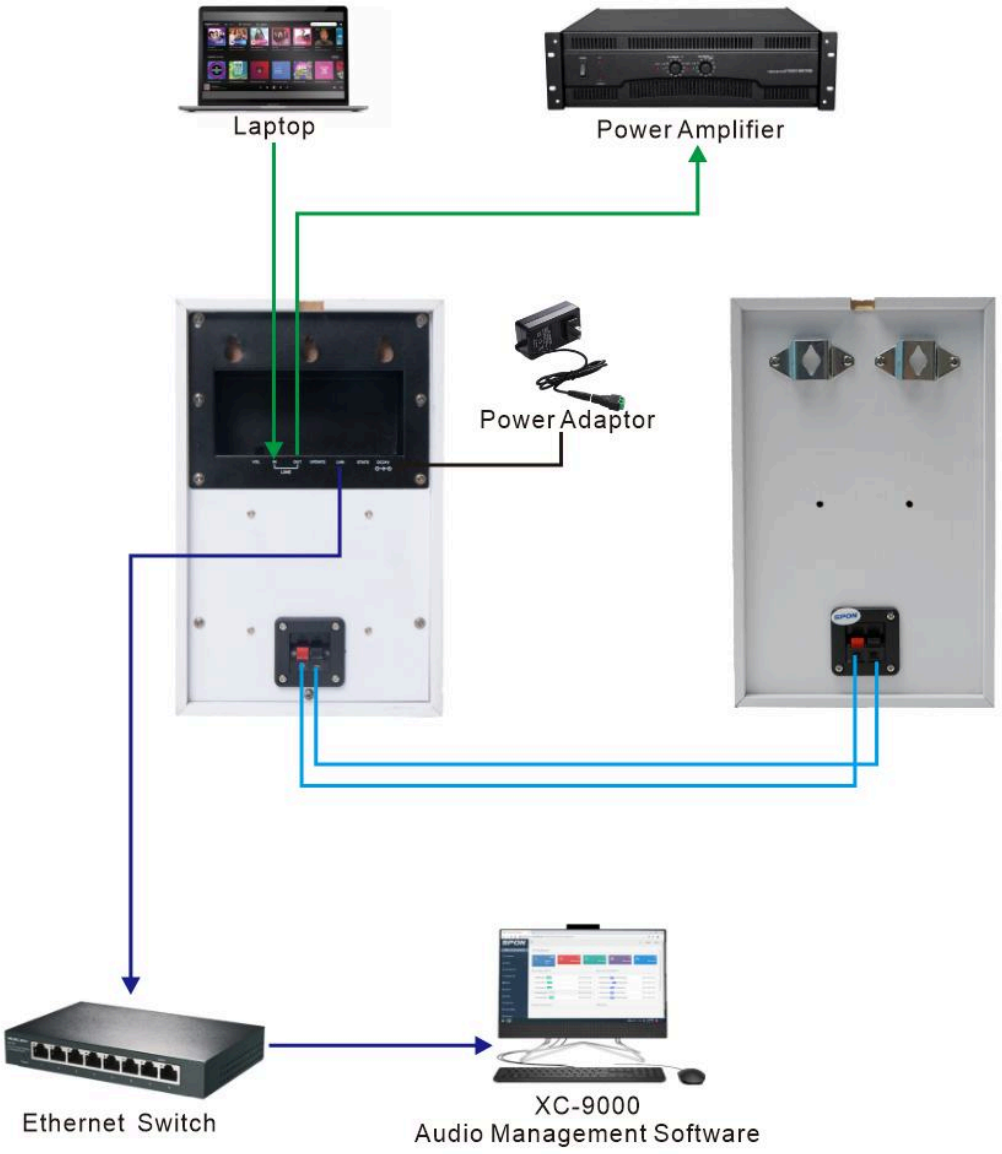
④ **Update:**
Force upgrade button or IP broadcast equipment IP.

⑧ **Constant Resistance Output interface(Red for positive, black for negative):**
use for connect the deputy speakers.

CIRCUIT DIAGRAM



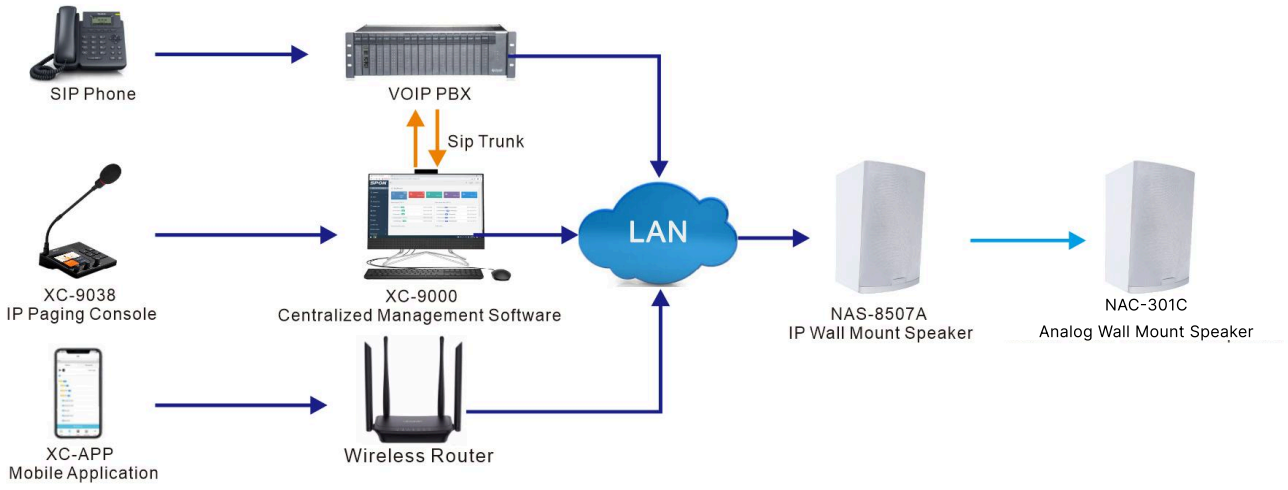
CONNECTION DIAGRAM



APPLICATION

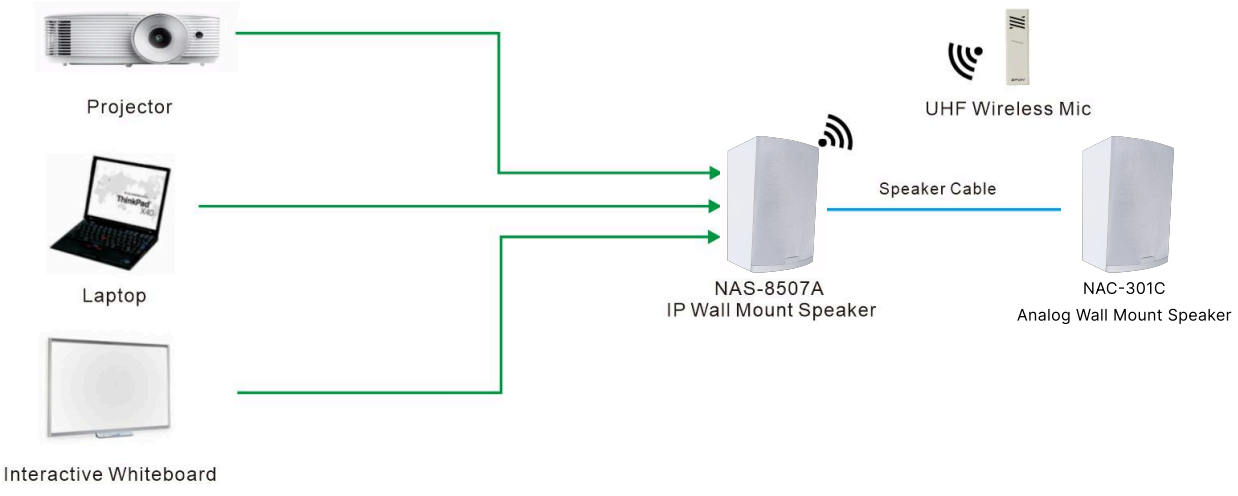
Application 1

The IP Wall Mount Speaker NAS-8507A built-in amplifier which can be connected with external 8ohm speaker; It can receive broadcasting from SPON management software 、IP Paging Mic and XC-APP application , also it can receive single-way sip calling from the third-party SIP PBX by SIP Trunk .



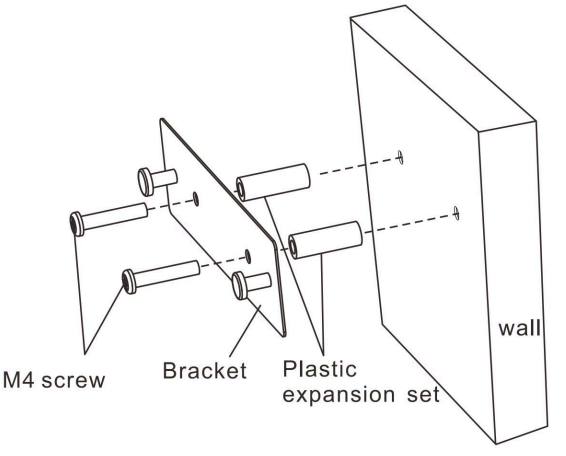
Application 2

The IP Wall Mount Speaker NAS-8507A with built-in UHF receiver module which can be used with UHF wireless microphone to realize local broadcast function. With audio input interface which can be connected with multiple external media for amplification.



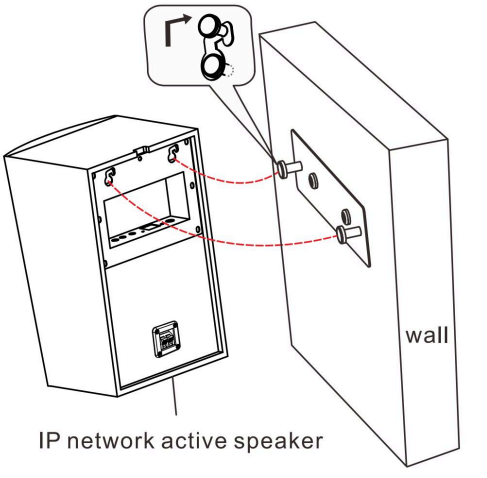
INSTALLATION INSTRUCTIONS

STEP 1



Use 2 plastic exnansion sleevesand 2 M4 screws to install the brackethorizontally.

STEP 2



Align the two mounting holes on the back of the device with the two rivets ot the bracket iinsert itl from the large opening of the mounting hole, and then move it un and right to iam and buckle the device on the rivets of the bracket on the wall.

SPON SPON Communications Co., LTD

Address: No.70, Nantang Road, High-Tech Zone, Changsha, China. **Mobile:** +86 138 7314 3517

Email: inquiry@sponcomm.com **Tel:** +86 731 8557 0190

www.sponcomm.com