

# XC-9508P26

## IP Integrated Amplifier

SPON XC-9508P26 IP Integrated Amplifier provides multiple connections from a microphone input to a relay output , that's why the amplifier is universally suitable for any size of application. In order to avoid cabling costs and be more flexible, the amplifier is specifically optimised for installation either in a 19" rack or on-site.



## MAIN FEATURES

### Design and Amplification

- Compact 1U rack design, both flexible and durable.
- Built-in digital Class-D 260W amplifier suitable for 100V powered loudspeakers.
- Multiple status indicator lights on the front panel for easier maintenance.

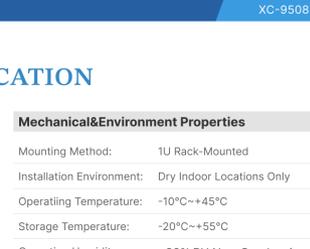


### Protection and Storage

- Comprehensive protection circuit for overload, overheating, and lightning.
- Large-capacity storage for uploading and remotely updating timed tasks and alarm files.

### Connectivity and Integration

- SIP protocol compatibility for easy integration with mainstream VoIP systems (Yeastar, Asterisk, Cisco, etc.).
- Supports offline broadcasting independently of a server.
- Receives live voice announcements from third-party VoIP systems or SPON's centralized management software.
- Relay I/O port for connecting with third-party fire alarm systems.



## SPECIFICATION

### Power Parameters

Power Supply:	AC 100V-240V, 50/60Hz
Rated Output:	260W
Power Consumption:	≤310W

### Audio Parameters

Audio Codec:	MP3, PCM, ADPCM, G.711 A-Law, G.711 M-Law, G.729
S/N (Signal-To-Noise) Ratio:	≥84dB
Audio Sampling & Bit Rate:	8kHz~44.1kHz, 16bit, 8kbps~320kbps
THD (Total Harmonic Distortion):	≤0.5% At 1kHz, 1/2 Rated Output
Frequency Response:	130Hz~18KHz

### Network Parameters

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

### Accessories

- 2x5-Pin Pluggable Terminal Block Connector (3.81mm Pitch,AWG 26-16)
- 1x4-Pin Pluggable Terminal Block Connector (7.62mm Pitch, AWG 28-12)
- 8xFlat Head Screw
- 4x3M™ Floor Pad
- 2xRack Mounting Bracket
- 1xQuick Installation Guide
- 1xQuality Certificate&1xWarranty Card
- 1xPower Cord (Optional)

### Mechanical&Environment Properties

Mounting Method:	1U Rack-Mounted
Installation Environment:	Dry Indoor Locations Only
Operating Temperature:	-10°C~+45°C
Storage Temperature:	-20°C~+55°C
Operating Humidity:	≤90% RH Non-Condensing
Heat Dissipation:	Intelligent Temperature Control, Forced Air Cooling

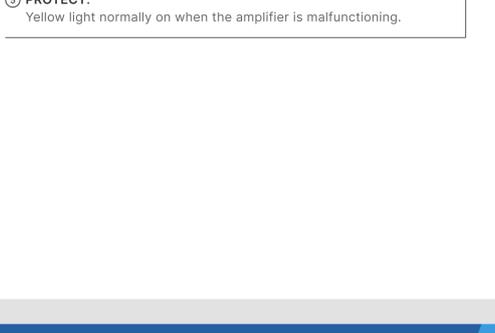
Protection:	Over-Current Protection, Short-Circuit Protection, Overload Protection, Thermal Protection, Lightning Protection, Surge Protection
Front Panel Material:	Surface-Treated Steel Plate
Housing Material:	Surface-Treated Steel Plate
Color:	Black
Product Dimensions:	440×300×44mm
Product Weight:	3.5KG
Product Warranty:	2 Years Limited

### Compliance

- CE (EMC Directive 2014/30/EU)
- CE (LVD Directive 2014/35/EU)

## PORTS DESCRIPTION

### [Front Panel]



② **STATUS:**  
Green light normally on when online ,red light normally on when offline.

① **POWER:**  
Red light normally on when the amplifier is powered on.

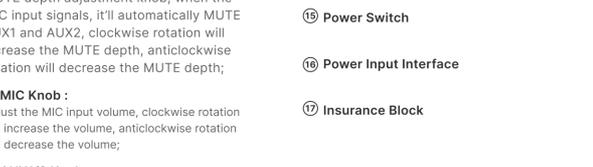
③ **SIGNAL:**  
No light when there is no signal input ,green light normally on when there is signal input.

④ **CLIP:**  
Red light normally on when the amplifier is overloaded.

⑤ **PROTECT:**  
Yellow light normally on when the amplifier is malfunctioning.

## PORTS DESCRIPTION

### [Rear Panel]



① **USB port :** Reserved.

② **Network port :** To connect to Ethernet network.

③ **Relay Output :** 3-Pin pluggable terminal block (3.81mm Pitch, AWG 26-16), normally open (NO) or normally closed (NC) dry contact

④ **Relay Input :** 2-Pin pluggable terminal block (3.81mm Pitch, AWG 26-16), normally open (NO) dry contact;

⑤ **Aux Input 01:** 3-Pin pluggable terminal block(3.81mm Pitch, AWG 26-16) (Balanced, Sensitivity/ Impedance: 500mV/10kΩ);

⑥ **MUTE Knob:** MUTE depth adjustment knob, when the MIC input signals, it'll automatically MUTE AUX1 and AUX2, clockwise rotation will increase the MUTE depth, anticlockwise rotation will decrease the MUTE depth;

⑦ **MIC Knob :** Adjust the MIC input volume, clockwise rotation will increase the volume, anticlockwise rotation will decrease the volume;

⑧ **AUX1/2 Knob :** Adjust the Line input volume ,clockwise rotation will increase the volume, anticlockwise rotation will decrease the volume.

⑨ **Mic Input:** 1/4-inch (6.35mm) TRS Jack (Unbalanced, Sensitivity/Impedance: 100mV/600Ω)

⑩ **Aux Input 02:** Dual RCA Jacks (Unbalanced, Sensitivity/ Impedance: 500mV/10kΩ)

⑪ **Aux Output:** Dual RCA Jacks.

⑫ **Speaker Output 01/02 (100V):** 2-Pin Pluggable Terminal Block (7.62mm Pitch, AWG 28-12), connecting and driving 100V constant-voltage passive speakers;

⑬ **Cooling Fan**

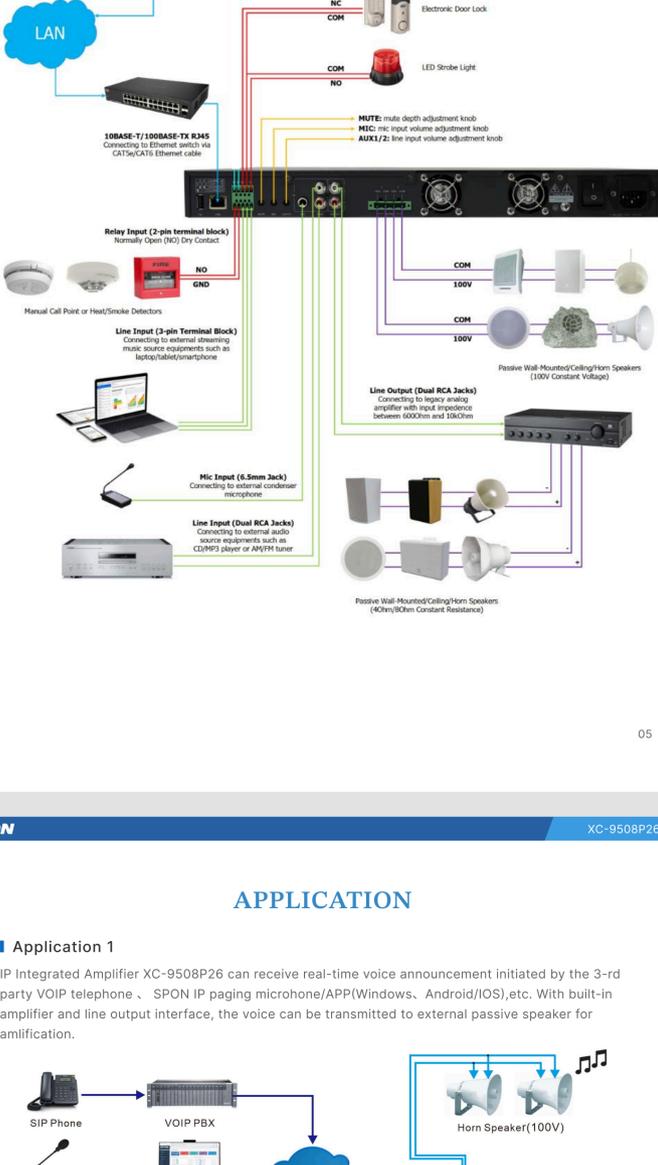
⑭ **Ground Terminal**

⑮ **Power Switch**

⑯ **Power Input Interface**

⑰ **Insurance Block**

## CONNECTION DIAGRAM



## APPLICATION

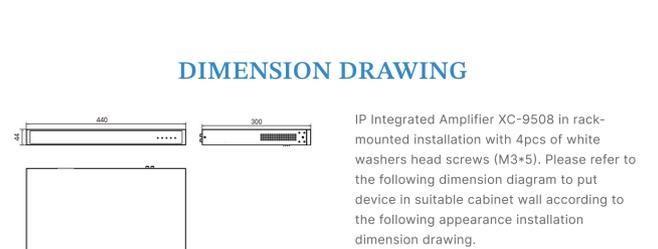
### Application 1

IP Integrated Amplifier XC-9508P26 can receive real-time voice announcement initiated by the 3-rd party VOIP telephone 、 SPON IP paging microphone/APP(Windows、 Android/IOS),etc. With built-in amplifier and line output interface, the voice can be transmitted to external passive speaker for amplification.



### Application 2

IP Integrated Amplifier XC-9508P26 support to receive offline timed broadcasting , the offline timed tasks need to be pushed to the FTP of XC-9508P26, when the windows crashed , the system can normally work .



## APPLICATION

### Application 3

IP Integrated Amplifier XC-9508P26 support to automatic broadcast alarm tone when receiving relay input signal from the 3-rd party system (For example ,IP camera of surveillance system 、 Emergence button of Fire alarm system) , the alarm tone need to be pre-uploaded to the FTP of XC-9508P26.



## DIMENSION DRAWING



IP Integrated Amplifier XC-9508 in rack-mounted installation with 4pcs of white washers head screws (M3\*5). Please refer to the following dimension diagram to put device in suitable cabinet wall according to the following appearance installation dimension drawing.

## CASE

