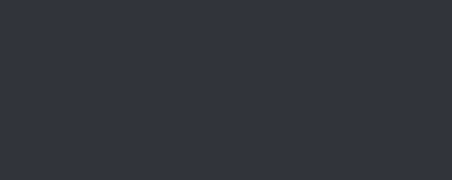


XC-9508P50

IP Integrated Amplifier



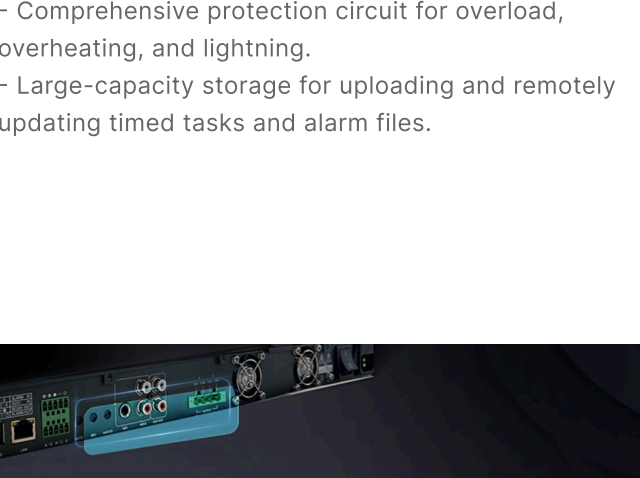
SPON XC-9508P50 IP Integrated Amplifier provides multiple connections from a microphone input to a relay output , that's why the amplifier is universally suitable for any size of application .In order to avoid cabling costs and be more flexible , the amplifier is specifically optimised for installation 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 500W amplifier suitable for 100V powered loudspeakers.
- Multiple status indicator lights on the front panel for easier maintenance.

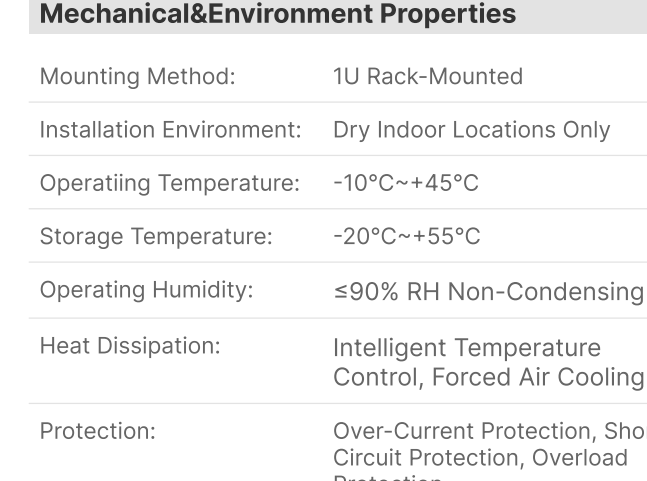


Protection and Storage

- 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.



01

SPECIFICATION

Power Parameters	
Power Supply:	AC 100V-240V, 50/60Hz
Rated Output:	500W
Power Consumption:	≤580W

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	
2×5-Pin Pluggable Terminal Block Connector (3.81mm Pitch,AWG 26-16)	
1×4-Pin Pluggable Terminal Block Connector (7.62mm Pitch, AWG 28-12)	
8×Flat Head Screw	
4×3M" Floor Pad	
2×Rack Mounting Bracket	
1×Quick Installation Guide	
1×Quality Certificate&1×Warranty Card	
1×Power 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

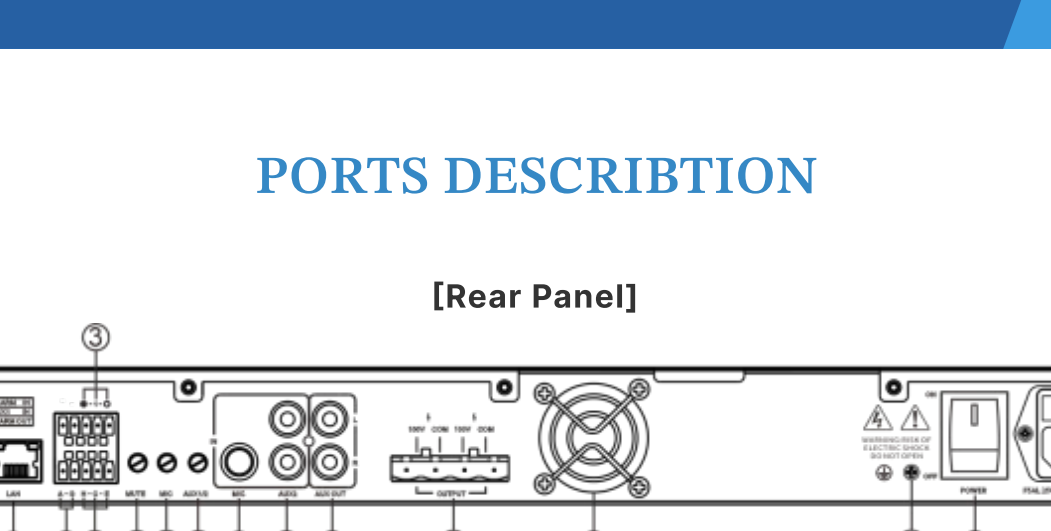
Compliance	
CE (EMC Directive 2014/30/EU)	
CE (LVD Directive 2014/35/EU)	

02

PORTS DESCRIPTION

[Front Panel]

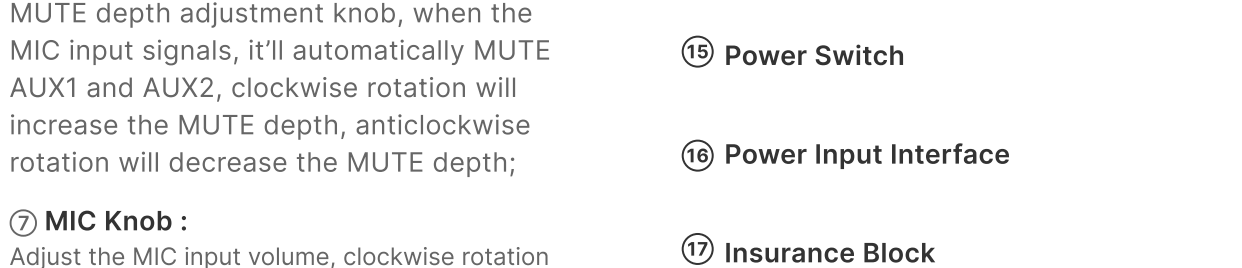
- ② **STATUS:**
Green light normally on when online ,red light normally on when offline.
- ① **POWER:**
Red light normally on when the amplifier is powered on.
- ③ **SIGNAL:**
No light when there is no signal input ,green light normally on when there is signal input.
- ⑤ **PROTECT:**
Yellow light normally on when the amplifier is malfunctioning.
- ④ **CLIP:**
Red light normally on when the amplifier is overloaded.



03

PORTS DESCRIPTION

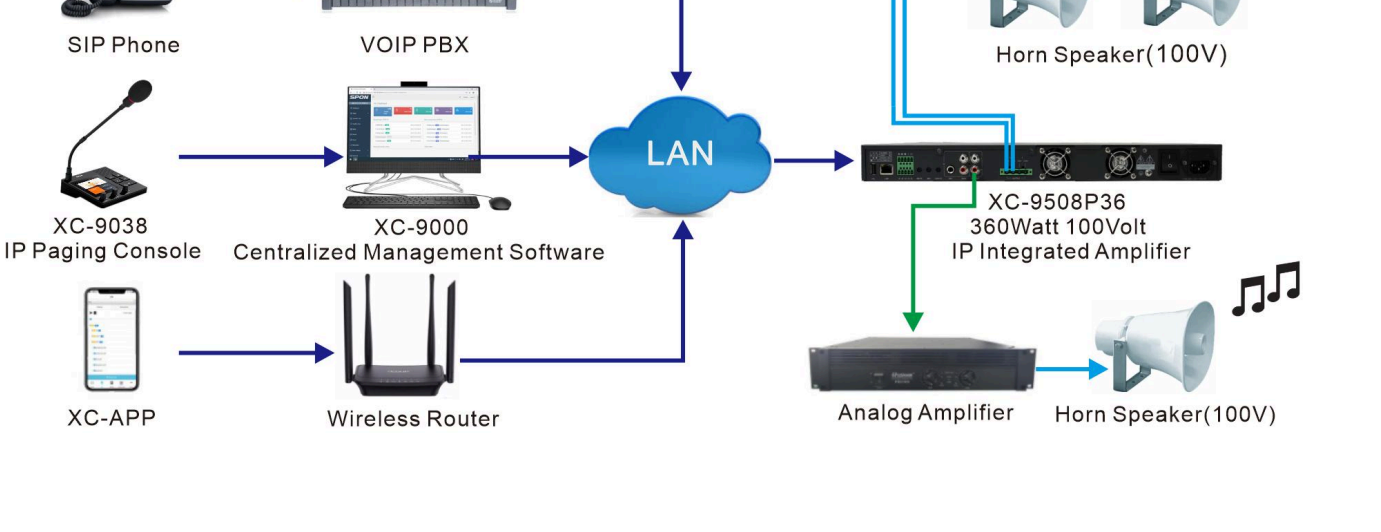
[Rear Panel]



- ① **USB port** : Reserved.
- ② **Network port** : To connect to Ethernet switch.
- 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, anticlockwise 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/10KΩ)
- 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**

04

CONNECTION DIAGRAM

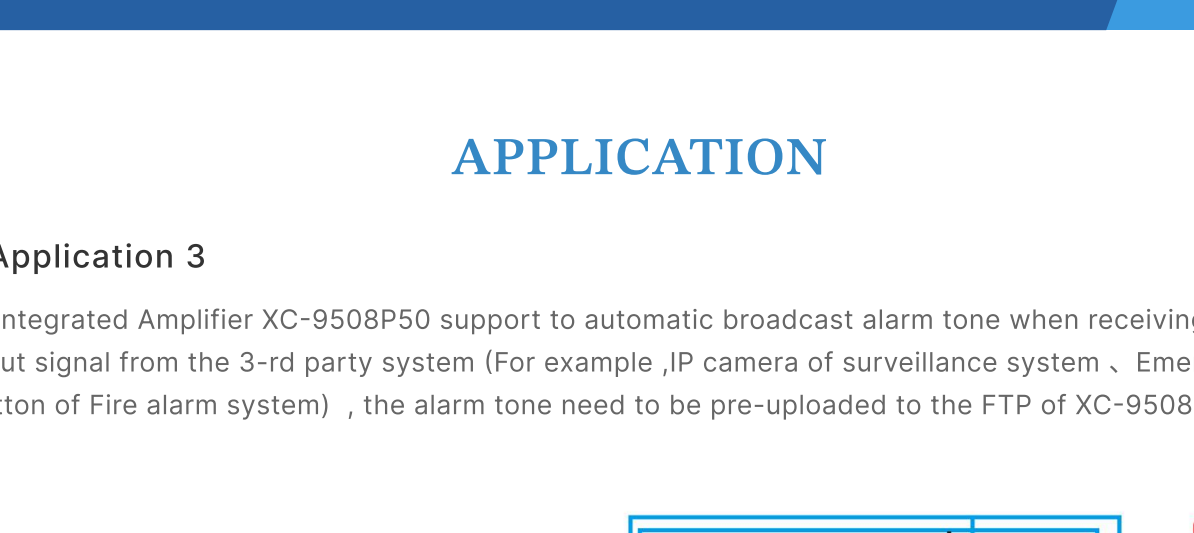


05

APPLICATION

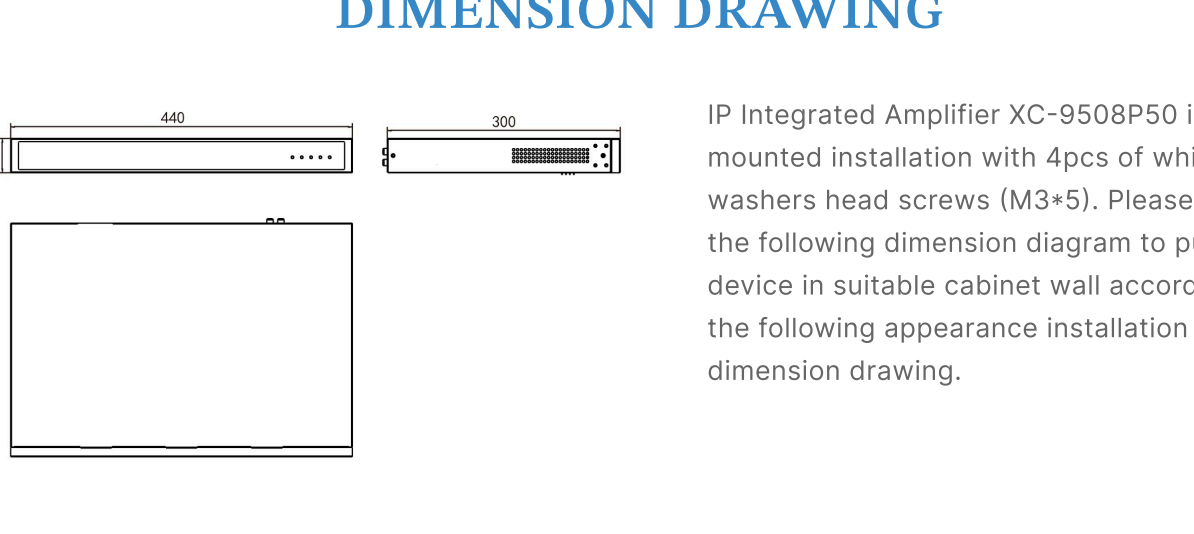
Application 1

IP Integrated Amplifier XC-9508P50 can receive real-time voice announcement initiated by the 3-rd party VOIP telephone 、 SPON IP paging microphone/APPI(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-9508P50 support to receive offline timed broadcasting , the offline timed tasks need to be pushed to the FTP of XC-9508P50, when the windwos crashed , the system can normally work .



06

APPLICATION

Application 3

IP Integrated Amplifier XC-9508P50 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-9508P50.



DIMENSION DRAWING



IP Integrated Amplifier XC-9508P50 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.

07

CASE

