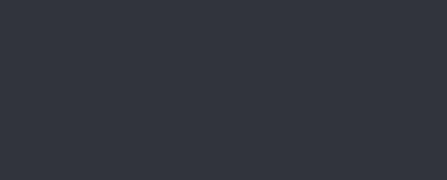


XC-9508P36

IP Integrated Amplifier



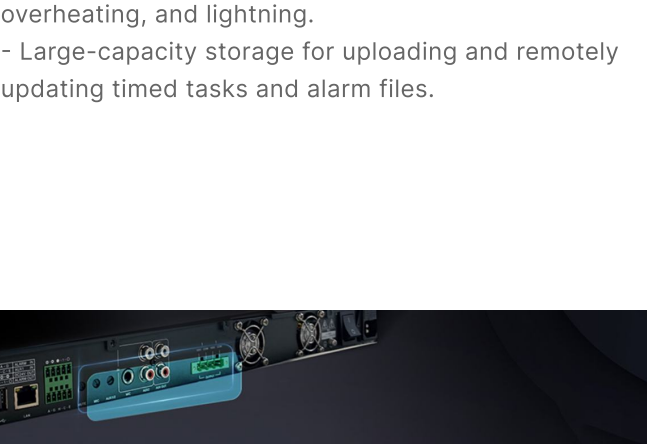
SPON XC-9508P36 IP Integrated Amplifier provides multiple connections from a microphone input to a relay output, that's why the amplifier universally suitable for any size of application. In order to avoid cabling costs and be more flexible , the amplifier is specifically optimised for installation either in a 19" rack or on-site.

- SIP
- AUXiliary
Relay
Control
- Offline
Broadcast

MAIN FEATURES

Design and Amplification

- Compact 1U rack design, both flexible and durable.
- Built-in digital Class-D 360W amplifier suitable for 100V powered loudspeakers.
- Multiple status indicator lights on the front panel for easier maintenance.

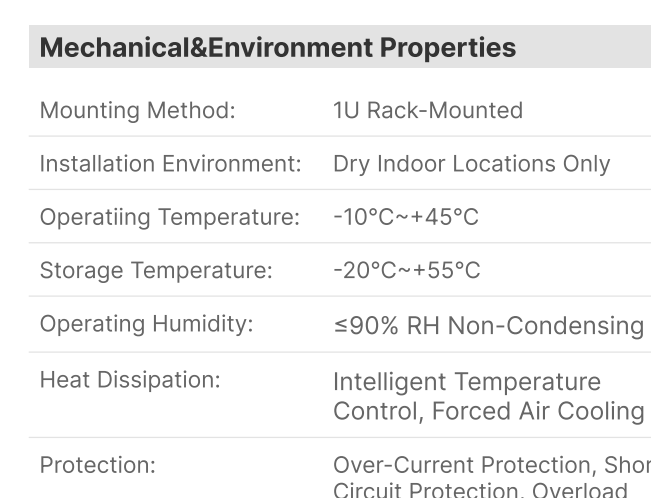


Protection and Storage

- 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:	360W
Power Consumption:	≤420W

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]

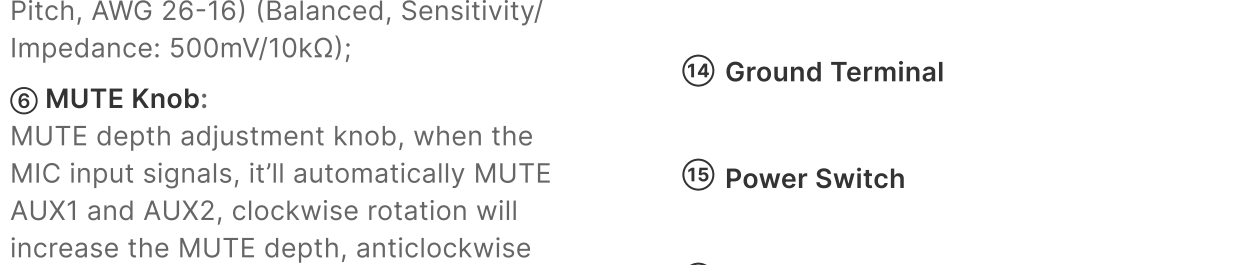
- ② STATUS:
Green light normally on when online ,red light normally on when offline.
- ① POWER:
Red light normally on when the amplifier is powered on.
- ③ SIGNAL:
No light when there is no signal input ,green light normally on when there is signal input.
- ⑤ PROTECT:
Yellow light normally on when the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

04

CONNECTION DIAGRAM

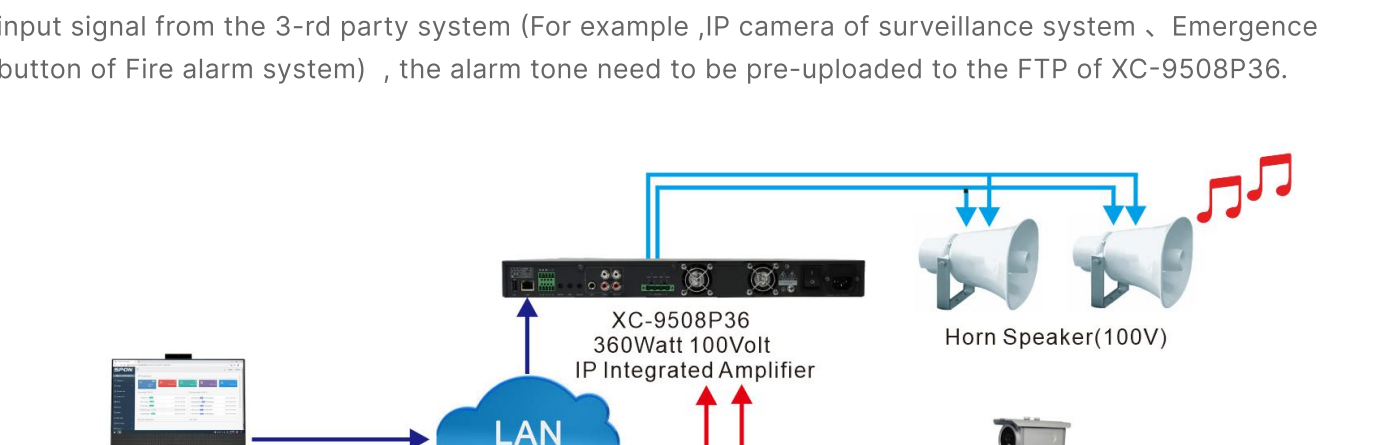


05

APPLICATION

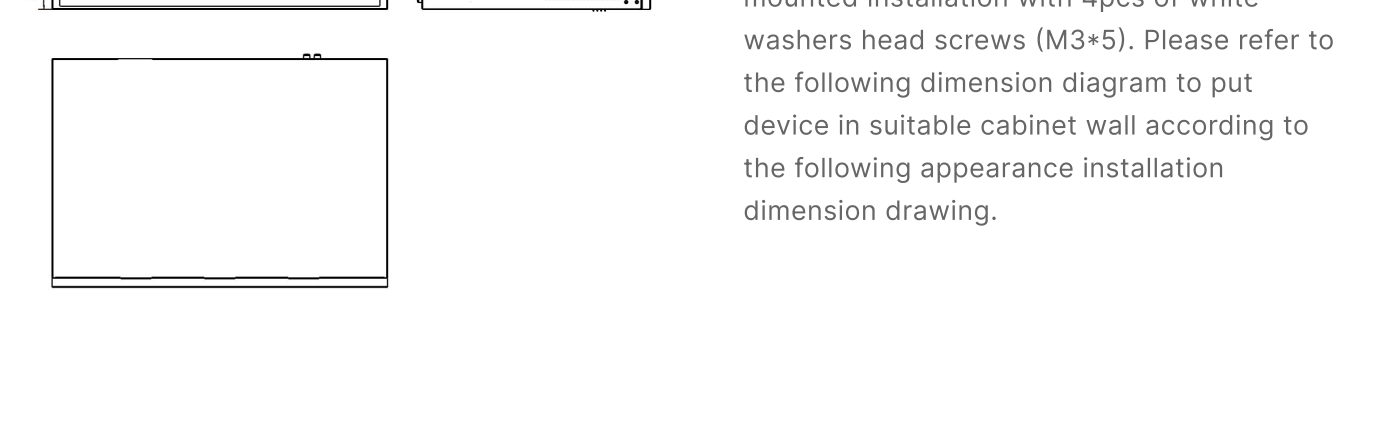
Application 1

IP Integrated Amplifier XC-9508P36 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-9508P36 support to receive offline timed broadcasting , the offline timed tasks need to be pushed to the FTP of XC-9508P36, when the windwos crashed , the system can normally work .



06

APPLICATION

Application 3

IP Integrated Amplifier XC-9508P36 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-9508P36.



DIMENSION DRAWING



IP Integrated Amplifier XC-9508P36 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.

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