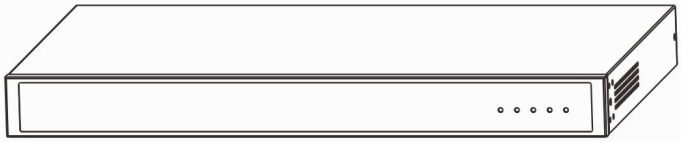
SPON

IP NETWORK DIGITAL AMPLIFIER

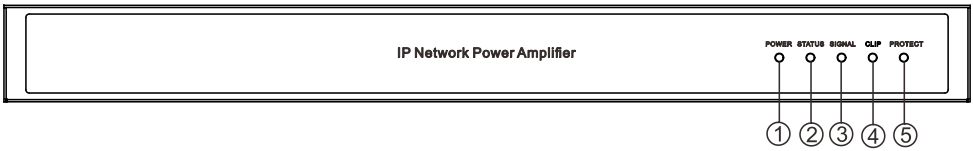
Installation Instructions



IP NETWORK PUBLIC ADDRESS SYSTEM

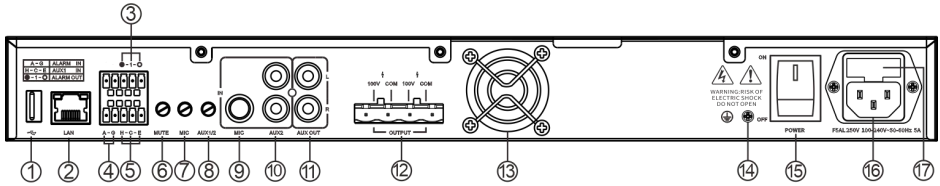
Interface specification

Front panel



①POWER: When the power is connected, red light keeps on.
②STATUS: Bi-colored light, green light keeps on when the equipment is online, red light keeps flashing when the equipment is offline, greed light keeps flashing when receiving signals.
③SIGNAL:Light keeps off when there's no signal, green light keeps on when there's signal.
④CLIP: Red light keeps on when the input signal is oversize or output is overload.
⑤PROTECT: The light keeps on under protection or malfunction status of the amplifier module.

Rear lining plate



①USB Interface：For program download.
②RJ45 Network Interface：Insert the network cable to connect to the Ethernet switch, so that the device can log in to the server normally.
③ALARM OUT：Alarm output interface(●-NC:Normally Closed；1-COM：COM；○-NO：Normally opened).
④ALARM IN：Alarm input interface (A：Alarm input；G：GND).
⑤AUX1：Line input1 interface(Balance input)（H:Hot end，C:Cold end，E:Earth end）.
⑥MUTE 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.
⑦MIC Knob：Adjust the MIC input volume, clockwise rotation will increase the volume, anticlockwise rotation will decrease the volume.
⑧AUX1/2 Knob：Adjust the Line input volume ,clockwise rotation will increase the volume, anticlockwise rotation will decrease the volume.
⑨MIC ： Mic input interface (Note: this interface only supports active conference microphones, it doesn't support moving coil microphones).
⑩AUX2：Line input2 interface (Unbalance input).
⑪AUX OUT：Line output interface.
⑫Power Output Port：Default constant voltage 100V output,support to set as 70V output on webpage.
⑬Cooling Fan：When installing, ensure that the fan outlet is not blocked, and try to keep a distance of more than 10cm .
⑭Ground Terminal: To ensure the safety and reliability of the equipment, ground terminal must be connected to the earth.

⑮Power Switch: Control the on & off of the power.
⑯Power Input Interface
⑰Insurance Block

Configure IP network digital power amplifier

Force configuration of network parameters

(1) connect the computer (equipped with IP audio terminal configuration tool) and the terminal with the cross network cable.In the [CD: tools software \] directory, locate and run "IP audio terminal configuration tool", and then enter the default password "123456".

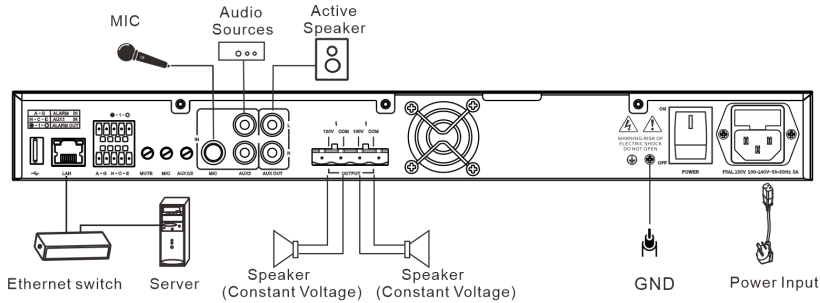
(2) select [forced mode configuration] from the menu on the right, and then correctly fill in the [terminal parameters] column and click the "send parameters" button to complete the IP parameter setting.

Accessing the web interface

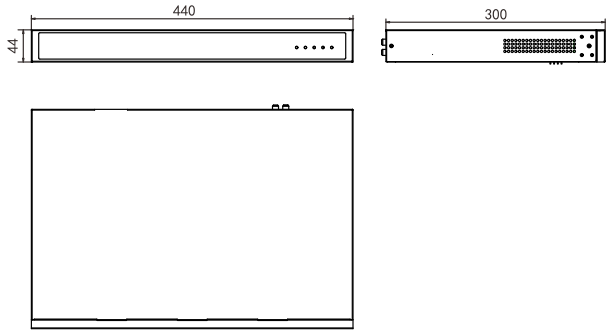
(1) input the IP address of the terminal in the address bar of the web browser (the factory default IP is 192.168.1.101).

(2) enter the user name and password (admin by default) in the web page login window, and click OK.

Connection diagram



Dimension drawing of appearance installation (unit: mm)



Specifications, features and parameters

Rated output power	60W（100V）	130W（100V）	260W（100V）	360W（100V）
Power waste	＜90W	＜160W	＜310W	＜420W
Power Supply	AC100V～240V/50-60Hz 5A			

Surge protection	Power adapter: common-mode 4KV, differential-mode 2KV; Power Output: common-mode 2KV
Input sensitivity	AUX1:500mV(balanced)、AUX2:500mV(unbalanced) MIC:100mV(unbalanced)
Frequency response	80Hz-18KHz
Total harmonic distortion	≤0.5% at 1KHz 1/2 output power
SNR	≥ 84 dB (A weighted)
Dissipate heat	Intelligent temperature control forced-air cooling
Protect	Overcurrent, overvoltage, overload, short circuit, overheat protection, AC fuse.
Network communication protocol	TCP/IP、UDP、ARP、ICMP、IGMP
Network chip rate	10/100Mbps
Audio coding	MP3/PCM/ADPCM/G711.a/G711.u/G729
Audio sampling, bit rate	8kHz～44.1kHz、16bit、8kbps～320kbps
Working temperature and humidity	0℃～45℃，≤90%RH(no frost)
Appearance size	440*300*44mm(L * w * h)

Troubleshooting

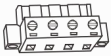
Fault phenomenon	Causes and troubleshooting
Occasional sound breaks?	1.Check whether the power output load is exceed over rated power or line short-circuit; 2.Check whether the audio input signal range oversize , can be appropriately reduced volume;
No other sound is muted during microphone input?	Check whether mute silent depth adjustment knob is adjusted to the maximum clockwise. If not, increase the silent depth clockwise.

Packing list

Countersunk Cross Screw 8pcs(M3*6)

Foot Pad 4pcs (φ12*3)

Wiring Terminal 2pcs(3.81-5P)


Wiring Terminal 1pcs(7.62-4P)

Hangers 2pcs

Installation Instruction 1pcs

Certification 1pcs

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Service Hotline: +86-731-85570190
Reserve the amendment right without notice

Wechat

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