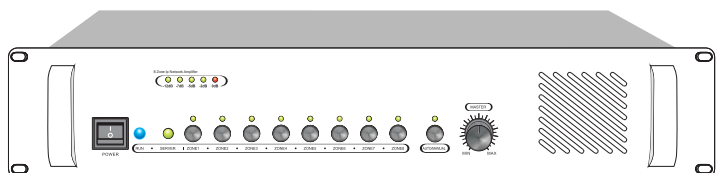


User Manual



Digital IP Network 8 Zone Amplifier

Safety Instructions

- Please read this manual carefully before use.
- Pay attention to the safety warnings appearing in this manual.
- It is recommended that you keep this manual for future reference.
- The safety symbols and warnings shown in this manual are to prevent personal injury and property damage caused by improper operation. Please read this manual carefully before using this product. Be sure to understand the various safety symbols and warnings to complete them. Everyone is aware of the potential danger.

When installing this unit

- Please use it within the specified voltage range of this machine. Using a higher voltage may cause electric shock or fire.
- Never cut, twist, damage or replace the power cord at will. When using this unit, please avoid getting close to the electric heater to avoid causing fire or property damage.
- Never place heavy objects on the machine to avoid damage to the equipment, electric shock or fire.
- Because the 70 V/100 V output terminal of this machine can cause harm to the human body, these connectors must not be touched to avoid electric shock. After the product installation and debugging is completed, please confirm that the high-voltage part has been installed with terminal protection covers, and when these terminals are connected to external wires, they must be installed and connected under the guidance of professionals.
- Please install the machine on a place that can bear the weight of the machine or on a stable table. Do not install or set up in an unstable place (such as a shaky table or uneven surface) to avoid personal injury when the machine falls. injury or property damage.
- Never insert or remove the plug with wet hands to avoid electric shock accidents.
- When pulling out the plug, please make sure to pull out the plug body instead of pulling directly on the power cord.
- When moving the machine, be sure to unplug the power plug first. If the machine and plug are moved together, it may cause a fire or electric shock.
- Do not cover the ventilation openings on the machine to prevent the internal temperature of the machine from being too high and causing a fire.
- Never insert or remove the plug with wet hands to avoid electric shock accidents.
- When pulling out the plug, please make sure to pull out the plug body instead of pulling directly on the power cord.
- When moving the machine, be sure to pull out the power plug first. If the machine and plug are moved together, it may
May cause fire or electric shock.
- Do not cover the ventilation openings on the machine to prevent the internal temperature of the machine from being too high and causing a fire.

Notes

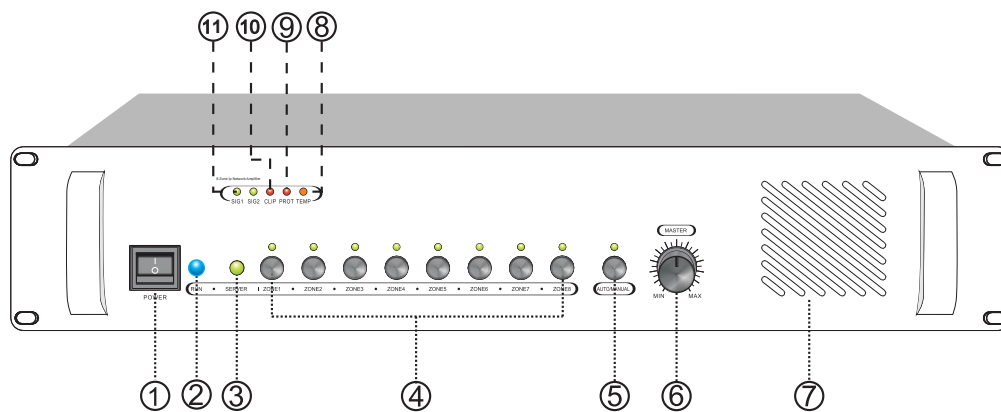
- If you find any of the following abnormal conditions during use, please turn off the power immediately, pull out the plug quickly and contact your nearest dealer. Do not continue to use the machine until the problem is solved, as it may cause fire or electric shock.
- If you notice smoke or a strange smell coming from the unit.
- If water or metal objects fall into the unit.
- If the unit is dropped or the casing is damaged.
- If the wire is damaged (the wire core is exposed, the wire is broken, etc.).
- If a fault is found (no sound).
- Because the machine contains high-voltage parts, to avoid fire or electric shock, the casing of this machine must not be opened. If you have any problems, please notify your nearest dealer.
- Never place cups, bowls, vases, or other objects containing liquids on the unit. If liquid is accidentally spilled into the machine, it may cause fire or electric shock.
- Never expose the unit to rain or any humid or water-prone place. It may cause electric shock or fire.
- Never put metal objects or flammable objects, nor coins, into the ventilation openings on the machine cover, as this may cause fire or electric shock.
- Please do not place heavy objects on the machine to avoid personal injury or property damage caused by the machine slipping.
- Please do not continue to use the machine when the sound is distorted. This indicates a malfunction and may cause high temperature and fire inside the machine.
- If the machine needs to be cleaned due to long-term accumulation of dust, please notify your dealer to clean the machine regularly to avoid damage to the machine or fire.
- The product is Class I equipment, and the power supply of the equipment must be connected to a power socket with a grounding device to ensure that the equipment is fully grounded.
- This product uses the power plug or appliance input socket as the disconnection device from the grid power supply. For safety reasons, it must be disconnected when necessary.
- If the panel of this machine is upgraded without further notice, please refer to the actual product for specific conditions.

Product Features

1. Standard 19-inch rack-mount design with a black brushed aluminum panel
2. Advanced transformer design prevents overheating and continued operation.
3. Imported power tubes and high-efficiency, low-distortion circuitry perfectly reproduce vocals and music.
4. Comprehensive protection circuitry prevents further damage to the amplifier.
5. Professional voltage limiting circuitry prevents output distortion from damaging the amplifier and speakers.
6. Tunnel-style air ducts and intelligent fan speed management ensure optimal heat dissipation and extend service life. SMD circuitry and modular design ensure excellent consistency.
7. Smart cloud system adopts Ai intelligent recognition technology, with terminal intelligent binding function, smart terminal automatically displays status on the system homepage, no need to add one by one;
8. The platform supports offline backup function, built-in 2G EMMC memory, 256M DDR flash memory, and the timing point is automatically downloaded to the terminal memory during the network idle period to reduce the network burden. The on-demand program is stored while playing. The system will use a comprehensive algorithm based on the frequency of playback and the last program played to ensure that there is enough space in the memory. When the network is not connected, the timing point program is played normally. After downloading to the memory, it will not occupy traffic again.
9. Video command linkage: compatible with Hikvision and Dahua third-party cameras, and the camera content can be viewed in real time through the host software;
10. Support remote control, and the terminal can be remotely broadcasted through the mobile phone APP. Support Beidou and GPS positioning to accurately locate the location of the device;
11. Support microphone TALKOVER function, effectively solving the problem that digital signals cannot be mixed with analog signals such as microphone speech when the system is broadcasting in a timed program;
12. Integrated 24Bit professional sound card, audiophile-level audio decoding, maximum audio code stream 768kpbs, support for multiple music formats MP3/MP4/MKV/FLAC/WAV (original file playback, sound quality reaches CD level)
13. Support fire alarm forced insertion function, when the system receives the fire signal and enters the alarm mode, the power amplifier forces the maximum volume to broadcast the preset fire voice

Names and functions

Front Panel:

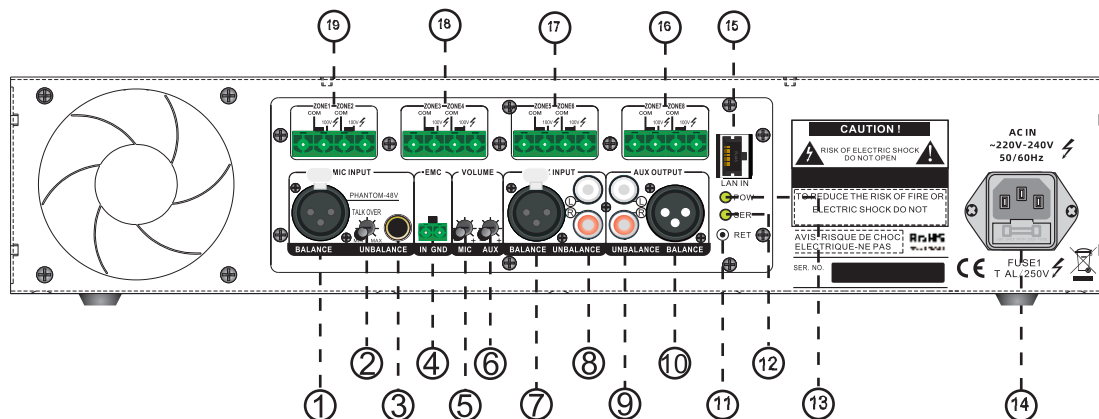


1. Power switch
2. Working indicators
3. Server status indicator
4. Push button switches of zone 1-8
5. Auto/manual switch button
6. Master volum knob
7. Heat dissipation window
8. Overheat indicator
9. Protection indicator
10. Distortion indicator
11. Signal level indicator

Note: When the CLIP indicator light is always on, it indicates overload. The volume knob should be adjusted so that it flashes.

SEV indicator flashes: the amplifier is not connected to the server.
 SEV indicator is always on: the amplifier is connected to the server.

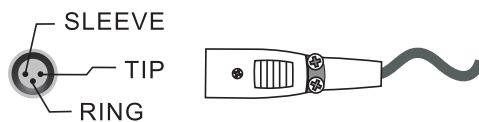
Rear Panel:



1. Phantom Mic input
2. Priority level adjustment of mic
3. Dynamic mic input
4. Emergent signal input
5. Volume adjustment of mic input
6. Volume adjustment of line input
7. Line signal input (balanced signal)
8. Line signal input (unbalanced signal)
9. Line output (unbalanced signal)
10. Line output (balanced signal)
11. Reset switch (press and hold for 5 seconds to restore to factory settings)
12. Network status indicator
13. Operation status indicator
14. AC power input interface
15. Network interface
16. Zone 7 and 8 output terminal
17. Zone 5 and 6 output terminal
18. Zone 3 and 4 output terminal
19. Zone 1 and 2 output terminal

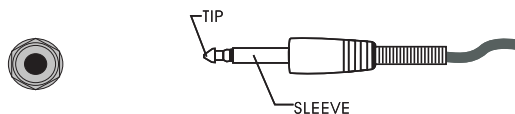
1) Phantom Mic Input

- XLR balanced plug



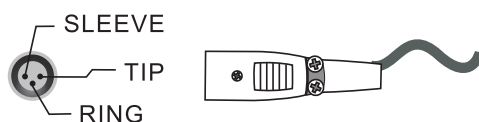
2) Dynamic Mic Input

- 6.3 unbalanced plug



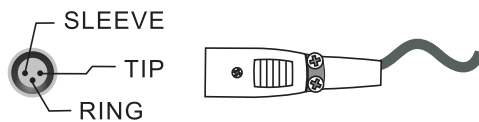
3) Line balanced input

- XLR balanced plug



4) Line input

- XLR balanced plug

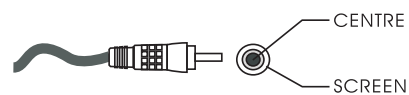
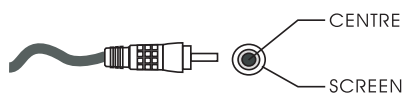


- RCA unbalanced input/output

White plug connected to the left (L), red plug connected to the right

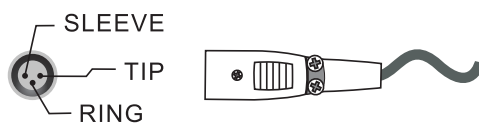
LINE IN

LINE OUT



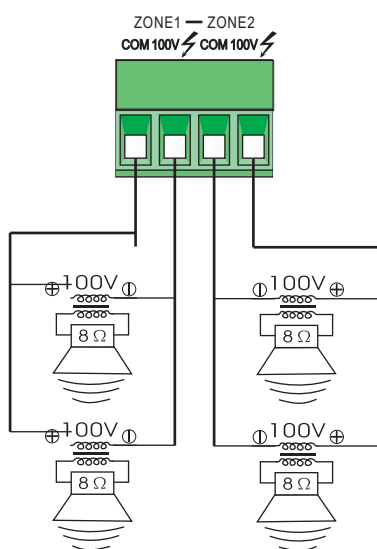
5) Line balanced output

- XLR balanced output jack

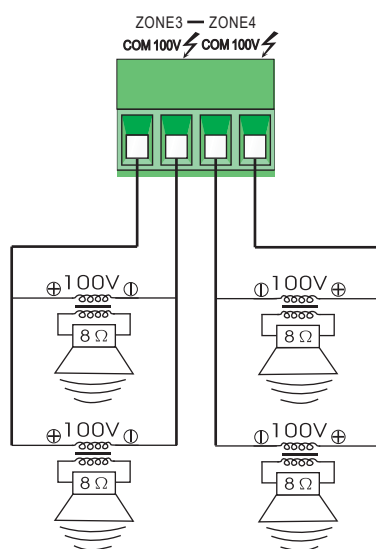


Zone Output

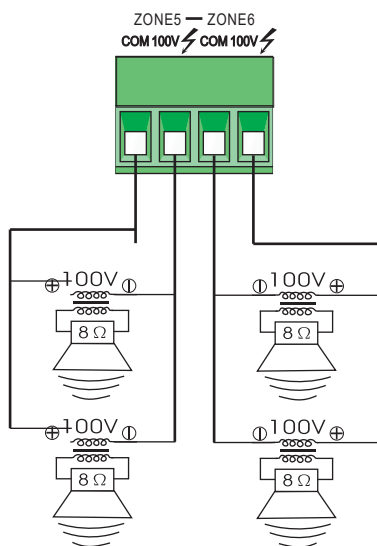
- 100V Output of Zone 1 and 2



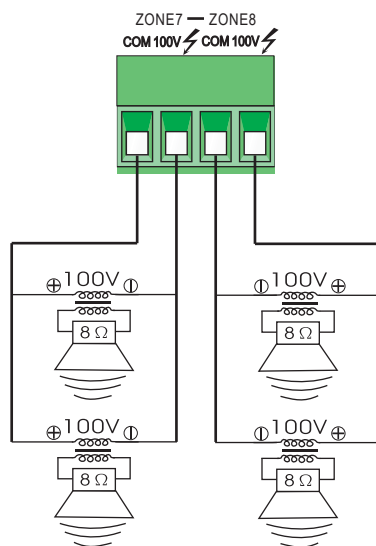
- 100V Output of Zone 3 and 4



- 100V Output of Zone 5 and 6



- 100V Output of Zone 7 and 8

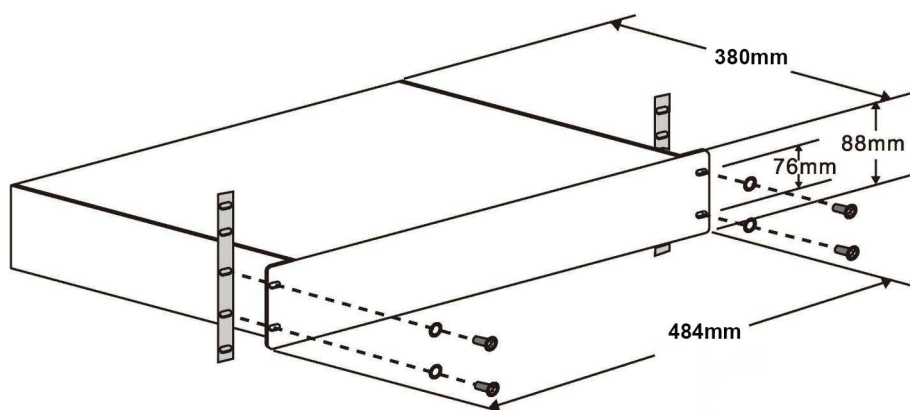


Installation

Rack mount

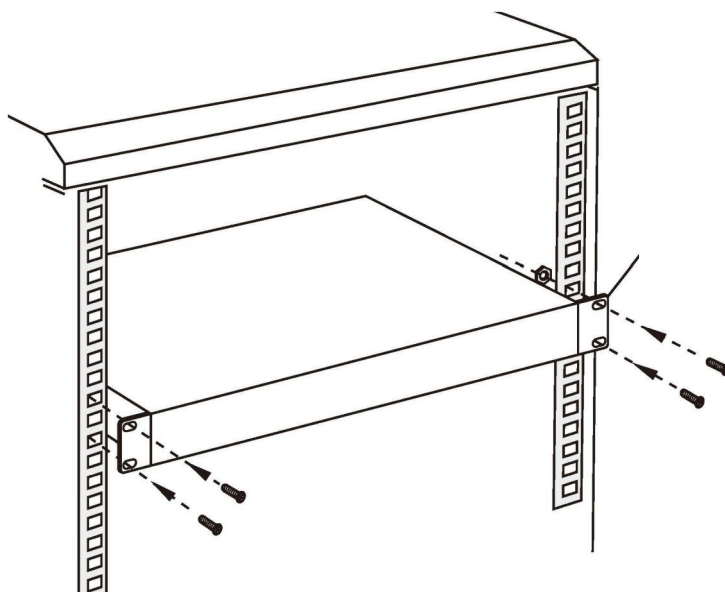
Step 1

Use four screws and washers to mount the amplifier to the stock rails.



Step 2

Rack installation: Align the product parallel to the cabinet and push it in, so that the mounting bracket holes on both sides of the product are aligned with the mounting holes on both sides of the cabinet, and secure with screws. (As shown below)



Technical Parameters

Specifications

Model	TCI-IP8070Z	TCI-IP8130Z	TCI-IP8180Z	TCI-IP8260Z
Rate Power	70W	130W	180W	260W
Resistance output	17VRms/4Ω	23VRms/4Ω	27VRms/4Ω	32VRms/4Ω
Frequency response	100Hz-18KHz ± 3dB			
Distortion	<2%(LINE input<2%)/1KHz/10V constant resistance output			
Line in Sensitivity	750mv± 15%/1KHz/47KΩ			
SNR	≥80dB(A-weighted)			
Power supply	~220V/50Hz			
Power consumption	100W	200W	300W	460W
N.Weight	8.3Kg	9.5Kg	10Kg	12.5Kg
G.Weight	9.5Kg	11Kg	11.5Kg	14Kg
Size	484W*380D*88H(mm)			
Model	TCI-IP8360Z	TCI-IP8500Z	TCI-IP8660Z	TCI-IP8800Z
Rate Power	360W	500W	660W	800W
Resistance output	38VRms/4Ω	45VRms/4Ω	51VRms/4Ω	57VRms/4Ω
Frequency response	100Hz-18KHz ± 3dB			
Distortion	<2%(LINE input<2%)/1KHz/10V constant resistance output			
Line in Sensitivity	750mv± 15%/1KHz/47KΩ			
SNR	≥80dB(A-weighted)			
Power supply	~220V/50Hz			
Power consumption	650W	850W	1250W	1450W
N.Weight	13.5Kg	15Kg	17Kg	18.5Kg
G.Weight	15Kg	16.5Kg	18.5Kg	19Kg
Size	484W*380D*88H(mm)			



CAUTION: Do not open the equipment cover arbitrarily, so as not to electric shock. Please contact the professionals to maintain if necessary.