



User's Manual



PROFESSIONAL POWER AMPLIFIER

CH6000/CH8000/CH10000/CH14000

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Important Precautions



This symbol is used to alert the operators to follow important operating and precautions details in documentation.



This symbol is used to warn operators that "uninsulated" dangerous voltages are present within the equipment enclosure that may pose a risk of electric shock.

1. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
2. Read all documentation before operating your equipment. Retain all documentation for future reference.
3. Follow all instructions printed on unit chassis for proper operation.
4. Do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
5. Make sure power outlets conform to the power requirements listed on the back of the unit.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
8. Mains voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
9. Have gain controls on amplifiers turned down during power-up to prevent speaker damage if there are high signal levels at the inputs.
10. Power down and disconnect units from mains voltage before making connections.

11. Do not use this product, please turn off the power, plug the power cord from the power outlet in the removal of
12. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, weather sheet, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign matter.
14. Do not remove the cover. Removing the cover will expose you to potentially dangerous voltages. There are no user serviceable parts inside.
15. Connecting amplifier outputs to oscilloscopes or other test equipment while the amplifier is in bridged mode may damage both the amplifier and test equipment!
16. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
17. Do not connect the inputs / outputs of amplifiers or consoles to any other voltage source, such as a battery, mains source, or power supply, regardless of whether the amplifier or console is turned on or off.
18. Do not run the output of any amplifier channel back into another channel's input. Do not parallel- or series-connect an amplifier output with any other amplifier output. TONYLEE is not responsible for damage to loudspeakers for any reason.
19. Do not ground any red ("hot") terminal. Never connect a "hot" (red) output to ground or to another "hot" (red) output!
20. Service Information. Equipment should be serviced by qualified service

personnel when:

- A. The power supply cord or the plug has been damaged;
- B. Objects have fallen, or liquid has been spilled into the equipment;
- C. The equipment has been exposed to rain;
- D. The equipment does not appear to operate normally, or exhibits a marked change in performance;
- E. The equipment has been dropped, or the enclosure damaged.

Technical Parameters

Specifications

Model	CH6000	CH8000	CH10000	CH14000
230V~50Hz THD=1%	THD=1% 230V~50Hz All Channels loaded			
8Ω	1500Wx2	2000Wx2	2500Wx2	2800Wx2
4Ω	2400Wx2	3200Wx2	4000Wx2	4500Wx2
2Ω	3150Wx2	4100Wx2	5600Wx2	5600Wx2
8Ω bridge	4800W**	6400w*	8000w*	9000W *
4Ω bridge	6300W**	8000w**	9000w**	10000W **
Other Specification				
Frequency response	20~20kHz(±0.5dB)			
THD+N	<0.05%			
S/N rate	>100dB			
Damping factor	>1000			
Crosstalk	>70dB			
Slew rate	>13v/μs			
Input sensitivity	0.775 v/1.4v/32dB			
Input impedance (bal/unbal)	20k/10k			
Voltage gain (8Ω)	32dB			
Output circuitry	Class TD			
Cooling	FAN			
Connector				
Input	XLR			
Output	NL4 MPXX 50A / Binding post:4 PC			
Function				
Front pane indictorl	Power / SIG / clip / Protect indicator			
Front panel	Power switch / Volume control			
Rear panel	Operation mode / Input sensitivity			
Dimension/weight				
Product dimension(mm)	483x500x133 (With handle:483x540x133)			
Packing dimension(mm)	640x700x240			
Weight Net / Gross	39.0kg / 45.5kg	40.3kg / 47.0kg	45.5kg / 52.0kg	46.5kg / 53.0kg
Power	AC230V/50Hz, ±10%			

Remark :

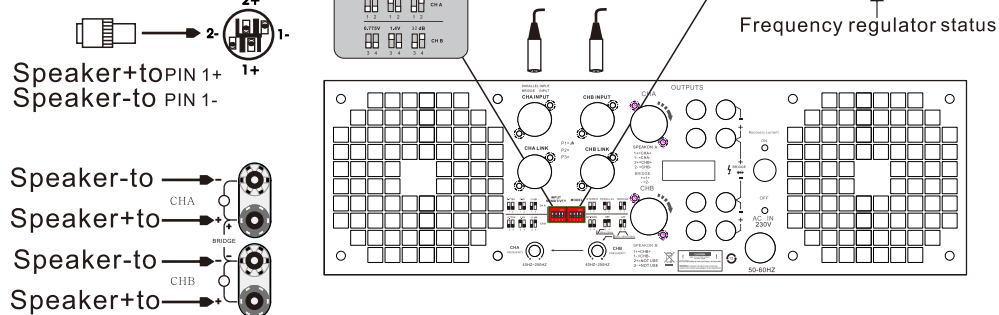
- 1、*,The power is tested under EIA standard.
- 2、**,The power is tested under the condition of 40ms burst, 1KHz sine wave and 1% THD.

The company reserves the right to change the parameters due to the improvement of design or production level, and no notice will be give in case of any change.

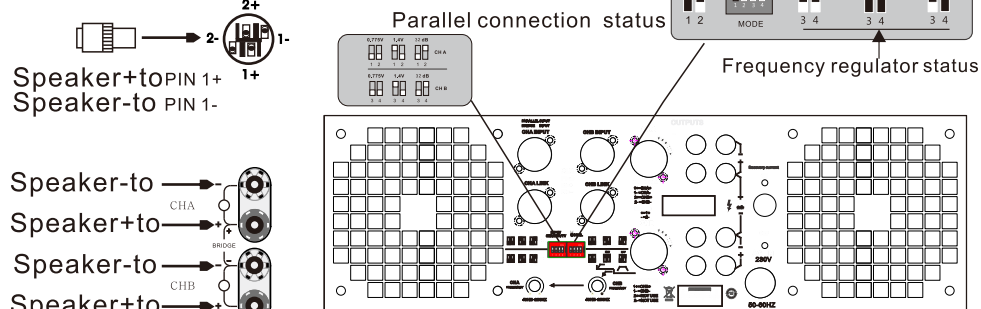
Rear Panel Function Connection Method

Connection mode diagram:

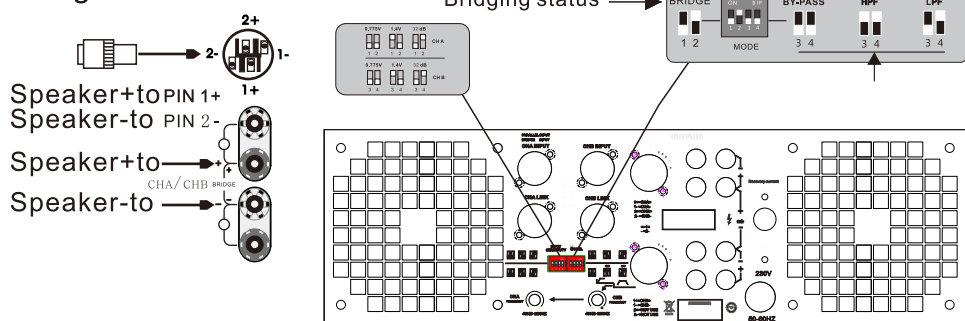
Stereo mode:



Parallel connection mode:



Birdge mode:



When the product is the bridge mode, if the product output is connected to the oscilloscope or other test equipment, the product and test equipment may be damaged together.

Introduction

Congratulations on your purchase of a new Series professional power amplifier,products. You are Among the growing number of audio professionals who have made one of the world's Leading suppliers of profes Sional and commercial/industrial audio systems.

For your safety, please read the Important Precautions section before installing and operating the amplifier. The Series is based on the same advanced circuit topologies that have made amplifiers the choice of touring Professionals worldwide. Series amplifiers are designed for high operating effici- ency and accurate sonic performance across the full audio bandwidth, even under stressful conditions. In ordeo maintain strictTr quality assurance standards, all EX Series amplifiers are built in state-of-the-art CHINA manufacturing facility. Inner components are the finest available, and key sub assemblies are pre-tested before final assembly. Finally, each amplifier is "burned in" and thoroughly tested (using precision audio test equipment) before shipping. In addition, all EX Series amplifiers in corporate The Company exclusive TourClass protection features To saf Eguard both internal circuitry and connected loudspeakers. This proven combination of advanced design, Quality construction, and comprehensive circuit protections is your guar-tee of fail-safe reliability. You An can depend on consistent, stable performance.

Unpacking

Please inspect the amplifier carefully immediately after unpacking. If you find any damage, notify your supplier/dealer immediately. Only the shipper may file a damage claim with the carrier for damage incurred during shipping. Be sure to save the carton and all packing materials for the carrier's inspection.If your packing materials are in good condition, please save them. If you need to return the original product or the company's authorized service center must have the original packaging intact.

Installation and Mounting

Amplifiers 1250W,1500W,2000W,2500W, are 3-rack-space High.

All mount in standard 17-19-inch racks.Four front-panel mounting holes are provided on each amplifier.Rear mounting ears give additional support ,and use of rear supports is highly recommended in all mobile and touring sound systems.

Maintenance

A Series amplifier requires no routine maintenance other than occasional cleaning or replacement of the fan intake filters on the rear of the amplifier. (This operation does not require any tools). Filters must be kept clear and clean to ensure proper ventilation through the unit. If the amplifier is used in an extremely dusty or smoky environment, the filter should be cleaned or changed frequently and the unit should be periodically "blown free" (using compressed air) of any foreign matter that may penetrated through the filter.

Users will not need to make any internal adjustments to the amplifier during its lifetime. There are no user serviceable parts or adjustments that require opening the power amplifier. Cover removal exposes the risk of shock, so refer all servicing to qualified service technicians authorized by .

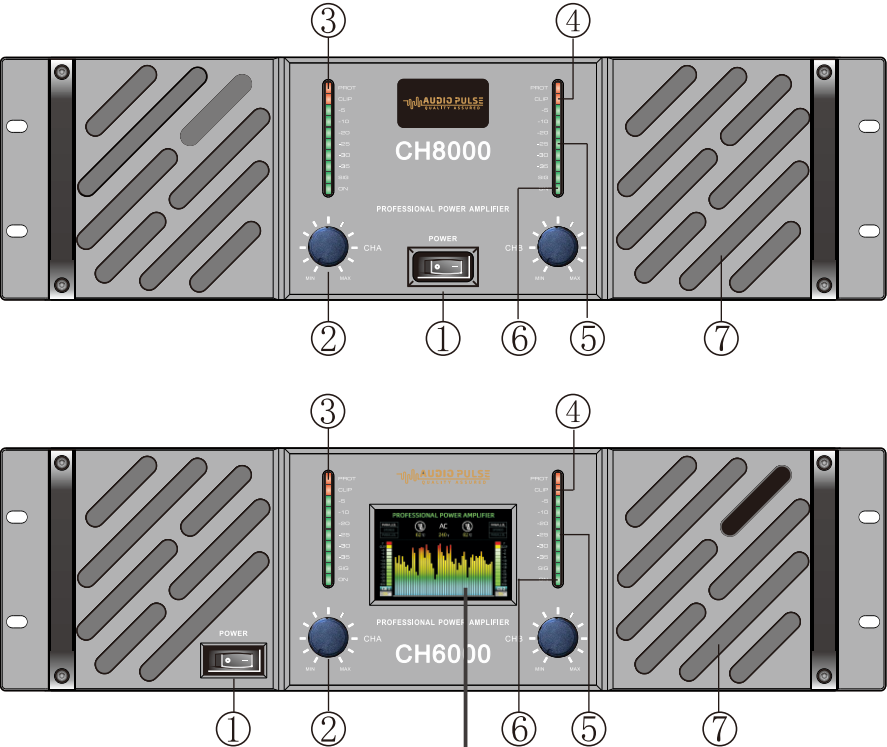
User Responsibility

Your EX Series amplifier is very powerful and can be potentially dangerous to loudspeakers and operators alike. It is your responsibility to read the section titled "Important Precautions" and make sure that the a-mpplier is installed, wired, and operated properly as instructed in this manual. Many loudspeakers can be easily damaged or destroyed by overpowering, especially with the high power available from a bridged amplifier. Read the section on Speaker Protection and always be aware of the speaker's continuous and peak power capabilities. The Company is not responsible for damage to loudspeakers for any reason.

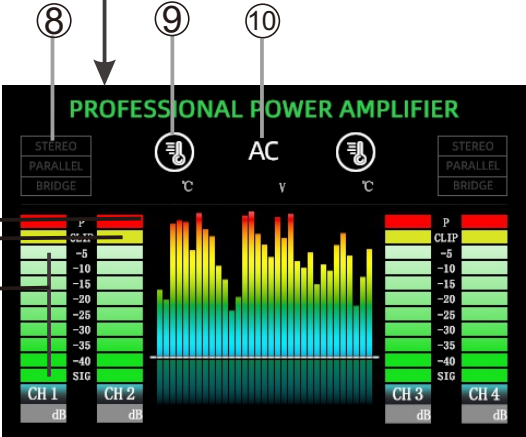
Service and Repair

In the unlikely event that your amplifier develops a problem, it must be returned to an authorized Distributor,service center or shipped directly to our factory.To obtain service,contact your nearest The CompanyService Center, Distributor, Dealer, or any of the worldwide The Company offices.Because of the complexity of the design and the risk of electrical shock,all repairs should be attempted only by qualified technical personnel.If the unit needs to be shipped back to the factory ,it must be sent in its original carton.If improperly packed ,your amplifier may be damaged.

Front Panel

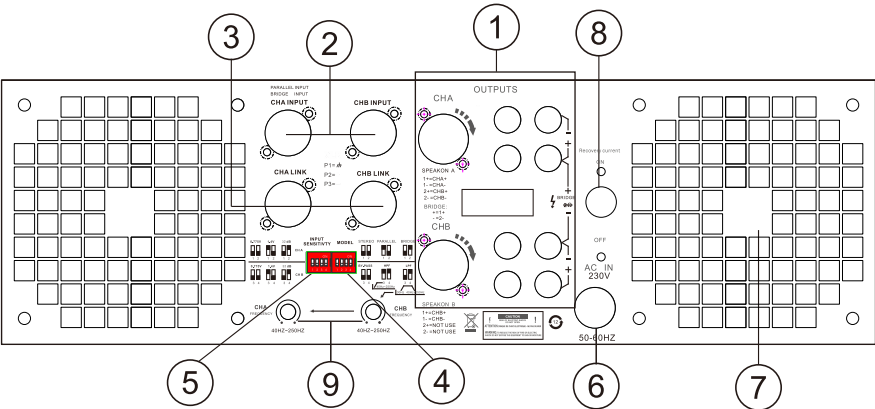


- 1.AC power switch
- 2.Input attenuators
- 3.Protection indicator
- 4.Clip indicator
- 5.Signal indicator
- 6.Power indicator
- 7.Air intake
- 8.Mode indicator
- 9.Temperature indicator



10.AC voltage indication

Rear Panel



- 1.Output connectors
- 2.XLR input connectors
- 3.XLR link connectors
- 4.Operating mode selector switch (stereo/parallel/bridge/DIP1/2) Frequency regulator mode(DIP3/4)
- 5.Input sensitivity selector switch
- 6.AC voltage power input line(AC230V)
- 7.Air cooling windows
- 8.Overcurrent protector
- 9.Frequency regulator