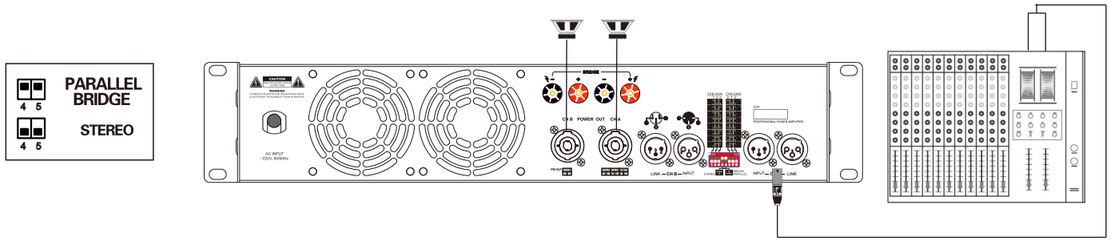


3.Operation mode of PARALLEL

The PARALLEL operation mode can send the same signal of one input channel to two output channels without extra wiring.

Turn off the power amplifier before connection and rotate the volume controller of each channel at minimum. Make sure the switch button is up in the position 4 and 5 (as pictured below) to have a PARALLEL operation mode. And stir the DIP switch to choose the suitable input sensitivity according to the indication table on the rear panel. Connect the input and output wiring for both channels as pictured below. Pay a special attention to the polarity of the connection between the speaker and amplifier.

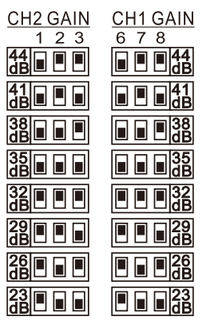
Signal gets through from INPUT CHA, gets out from the OUTPUT CHA and OUTPUT CHB.



Attention

There are CLIP LED lights for two channels which indicates clipping. If CLIP light flickers, it indicates the signal has been clipped. When the power amplifier works normally, it is a formal phenomenon that the CLIP light flickers discontinuously. If the CLIP light flickers continuously for a long time, users should reduce the volume by turning the volume controllers on the front panel.

Comparison Table of Input Sensitivity



ATTENTION

- Avoid using this apparatus in the following situations:
  —exposed in the environment of splashing oil or steam, for example, near to the kitchen stove or humidifier, etc.
  —on the unstable surface, such as the shaky table top or oblique surface
  —exposed under the overheated environment, such as the inner space of a car with closed windows or the place under direct sunlight
  —exposed under the extreme moist or place with accumulated dust
- DO NOT place the power cable near the heat. Otherwise it may lead to melt or even fire.
- Grasp the head of plug when pulling out the power plug from AC receptacle. DO NOT drag the cable directly. Otherwise it may cause damage of the power cord and even fire or electric shock.
- DO NOT touch the power plug with wet hands. Otherwise it may cause electric shock.
- There are ventilation holes on the front and back of the amplifier in order to avoid the overheat inside. Do not block any ventilation holes. Otherwise it may cause fire. Pay a special attention to the followings:
  --DO NOT side lay or upend this apparatus.
  --DO NOT put this apparatus in the places of insufficient heat dissipation space, such as bookcase or closet(or wall mounted brackets)
  --DO NOT cover this apparatus with a tablecloth or put it on the carpet or bed.
  --Leave enough space around this apparatus so as to guarantee the normal heat dissipation. The heat dissipation space should be at least 10cm for two sides and the above.
  --If there is insufficient airflow, the inner temperature will warm up, which may lead to amplifier's faulty and even fire.
  --If users intent to move this apparatus, firstly unplug the power plug from the AC receptacle and then pull out all the connected cables. Otherwise it may cause damage of the cables and even fire or electric shock.
- Specialized cable can only be used when connecting the speaker with power amplifier. Otherwise it may cause fire.
- Before connecting this apparatus, turn off all the audio apparatus and speakers. Use the suitable cable and conduct the connection in accordance with the instructions.
- Before the power amplifier is turned on, do remember to turn the volume controller on the panel to the minimum first. Otherwise the burst of sound may cause hearing impairment.
- If this power amplifier is not used for a long-time, do remember to pull out the power plug from the AC receptacle. Otherwise it may cause fire.

Put all the accessories of this power amplifier (such as the machine legs, instruction manual and plastic bag) to the places where children can not reach.

Introduction

It saves approximately 40% power consumption and reduces the size of generators. Since lower RMS currents are reached during using, it reduces the cable sections. Less emissions on the cables because of lower harmonics of the mains frequency, which produces less hum and induced distortion because of perturbed mains. All in all, as the latest developed Class D amplifier, the promising quality has the characteristics of light weight, low heat, high efficiency, exquisite and crystal clear treble, rich mid frequency and clean bass. It works stably in the wide voltage ranges of AC 180-264V. Four layers circuitry designed is of independent R&D and reaches the leading level in the world.

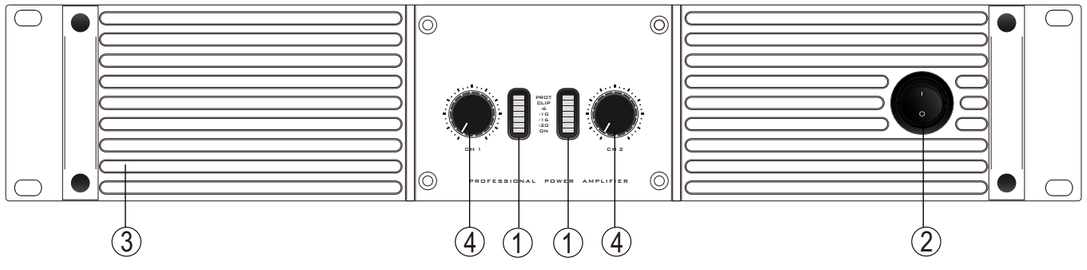
Features

- Advanced Class D topology design, and 4 layer PCB of high standard give a compact and clean layout;
- High efficiency, less power consumption and lower heat emission, smaller size and light weight;
- SMPS is of independent R&D, which supplies sufficient and continuous power;
- Clean and clear sound, exquisite treble, punchy and flexible bass;
- Neutrik input and output sockets deliver better sonic performance;
- Selective input sensitivity: 23dB, 26dB,29dB,32dB,35dB,38dB,41dB,44dB;
- Complete protections against Overload, Overheat, Short Circuit, DC and limiter, switch on/off anti-shocking ;
- Widely apply to various sound reinforcement venues.

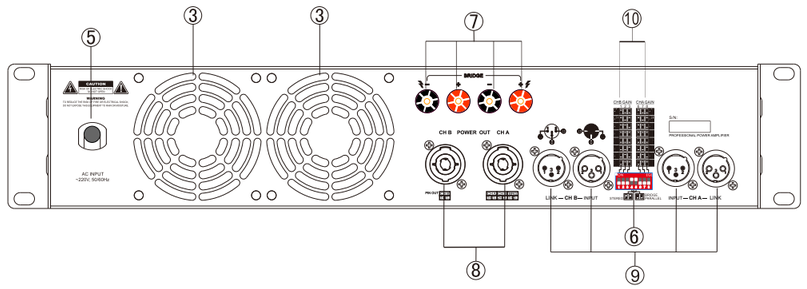
Testing Standards

-ICT Test
-High Voltage Test
-Grounding Test
-Advanced Vibration Test
-24-hour Loaded Aging Test
-Global Audio Standard-AP tests Complete Data

Functions of The Front Panel and Rear Panel



①LED indicator lights: PWR, SIG, electrical level, CLIP, PROT
②Power switch
③Ventilation holes
④Volume controllers of CHA and CHB



⑤Power plug
⑥DIP switch to choose input sensitivity and operation mode of STEREO,PARALLEL/BRIDGE
⑦Output sockets: binding post
⑧Output sockets: Speakon
⑨Input sockets: Male&Female XLR
⑩Indication table of sensitivity choice

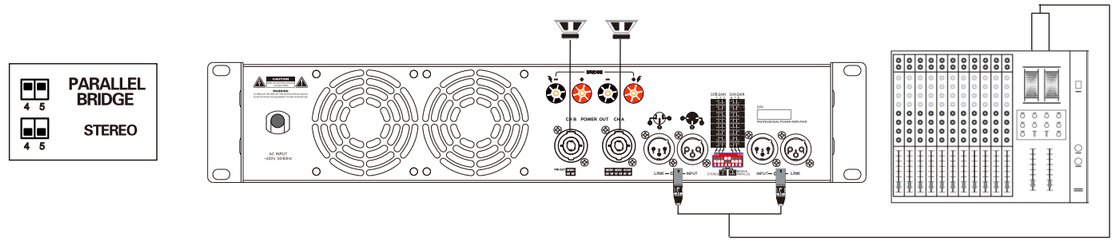
Operation Modes And Connection

There are three operation mode options: STEREO, BRIDGE and PARALLEL. Stir the DIP switch on the rear panel to choose.

1.Operation mode of STEREO

Turn off the power amplifier before connection and rotate the volume controller of each channel at minimum. Make sure the switch button is down in the position of 4 and 5(as pictured below) to have a STEREO operation mode. And stir the DIP switch to choose the suitable input sensitivity according to the indication table on the rear panel. Connect the input and output wiring for both channels as pictured below. Pay a special attention to the polarity of the connection between the speaker and amplifier.

Signal gets through from INPUT ChA to OUTPUT CHA, INPUT CHB to OUTPUT CHB.



2.Operation mode of BRIDGE

The wiring of BRIDGE operation mode is typical.

Turn off the power amplifier before connection and rotate the volume controller of each channel at minimum. Make sure the switch button is up in the position of 4 and 5 (as pictured below) to have a BRIDGE operation mode. And stir the DIP switch to choose the suitable input sensitivity according to the indication table on the rear panel. Connect the input and output wiring for both channels as pictured below. Pay a special attention to the polarity of binding post output sockets (CHA + and CHB-), and the Speakon output sockets (1+ spk+, 2- spk-).

Signal gets through from INPUT CHA, get out from OUTPUT CHA.