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PROFESSIONAL POWER AMPLIFIER
FOUR CHANNEL SERIES
Model:
D600
D1204



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. Use the mains plug to disconnect the apparatus from the mains.
16. **WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.**
17. **DO NOT EXPOSE THIS EQUIPMENT TO DRIPPING OR SPLASHING AND ENSURE THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, ARE PLACED ON THE EQUIPMENT.**
18. **THE MAINS PLUG OF THE POWER SUPPLY CORD SHALL REMAIN READILY OPERABLE.**

MAGNETIC FIELD:

CAUTION! Do not locate sensitive high-gain equipment such as preamplifiers directly above or below the unit. Because this amplifier has a high power density, it has a strong magnetic field which can induce hum into unshielded devices that are located nearby. The field is strongest just above and below the unit. If an equipment rack is used, we recommend locating the amplifiers in the bottom of the rack and the preamplifier or other sensitive equipment at the top.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



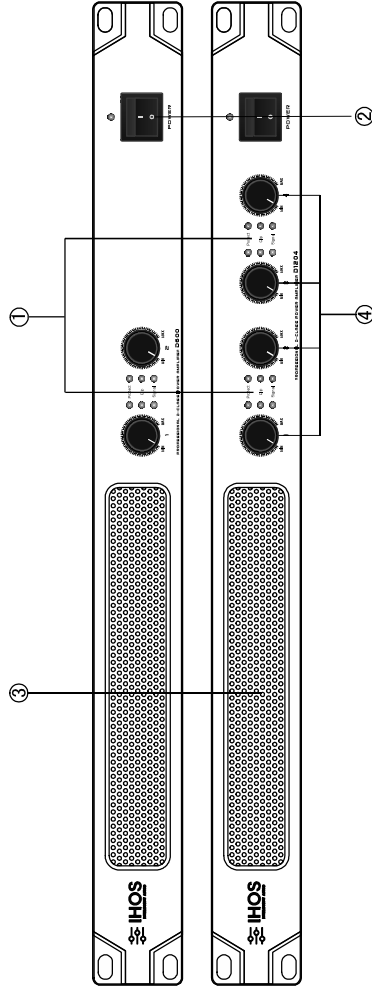
WELCOME

4.55 is all in 1U rack mounted, extreme convenient and aims for the small to medium-sized sound reinforcement installation. It offers amazing sound and solid reliability. All the sophisticated technology cohesion exists in the four-layer circuitry design.

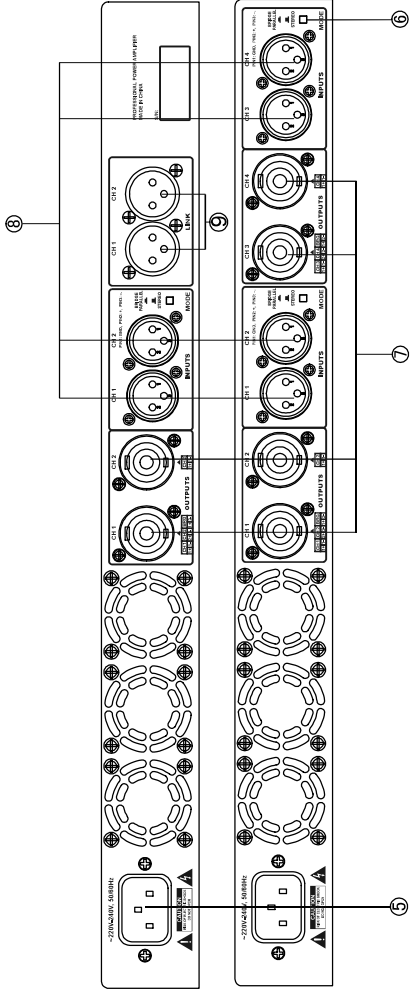
FEATURES

- ▶ Wide range of power supply: 180~264V, greatly adaptive to unstable environment.
- ▶ Well designed switching power supply, continuously provides sufficient power.
- ▶ Class D topology design results in high efficiency of 90%, saving energy and environmental friendly.
- ▶ The four layer circuitry design, switching power supply and Class D topology contributes to a light weight of 1U chassis.
- ▶ Infinitely variable speed cooling fan of high quality and forced-air cooling guarantee efficient heat dissipation.
- ▶ Comprehensive protection circuitry guards includes amplitude limiting, start up/shut down anti-shocking, DC protection, output short circuit and thermal protection.

Functions of The Front Panel and Rear Panel



- ① LED indicator lights: ON, SIG(SIGNAL), CLIP, PROT(PROTECT)
- ② Power switch
- ③ Ventilation holes
- ④ Volume controllers of CH1, CH2, CH3 and CH4



- ⑥ Power plug
- ⑦ Switch button to choose operation modes of STEREO, PARALLEL/BRIDGE
- ⑧ Output sockets: Speakon
- ⑨ Input sockets: Male&Female XLR
- ⑩ Input link: Male&Female XLR

SETUP

1. Unpack and install the amplifier. Please unpack and inspect your amplifier for any damage that may have occurred during transit. If damage is found, notify the transportation company immediately. Only you can initiate a claim for shipping damage. We will be happy to help as needed. Save the shipping carton as evidence of damage for the shipper's inspection. We also recommend that you save all packing materials so you will have them if you ever need to transport the unit. Never ship the unit without the factory package!



WARNING: Before you start to set up your amplifier, make sure you read and observe the Important Safety Instructions found at the beginning of this manual.

2. Wire Inputs and Outputs

2.1 Stereo Mode Wiring

IMPORTANT: Before wiring, rotate the sound control knob to the minimum, turn off the amplifier and unplug its power cord.

Choose the STEREO mode on the rear panel by pressing the button:



Connect the inputs and outputs as Figure 1. Pay attention to the polarity of the connection between the speaker and amplifier. Sound volume of Output CH1, CH2, CH3 and CH4 is controlled by sound volume control knobs of each channel on the front panel respectively.

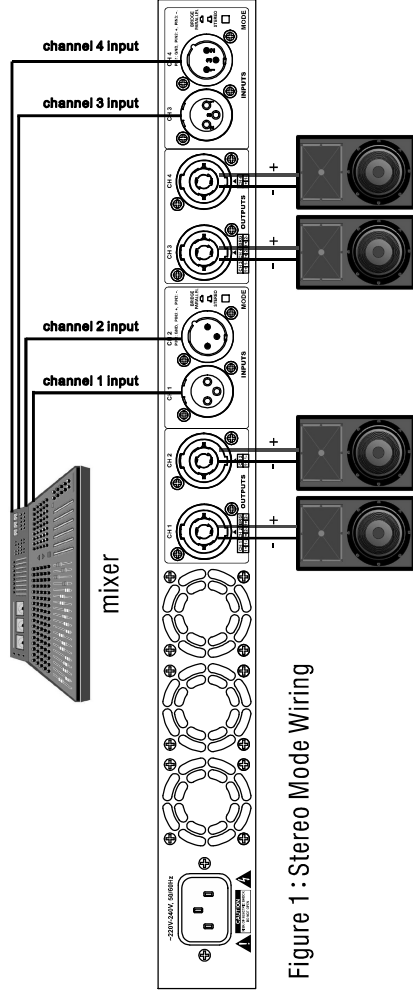


Figure 1 : Stereo Mode Wiring

2.2 Bridge Mode Wiring

IMPORTANT: Before wiring, rotate the sound control knob to the minimum, turn off the amplifier and unplug its power cord.

Choose the BRIDGE mode on the rear panel by pressing the button:



Connect the inputs and outputs as Figure 2. Pay a special attention to the polarity of Speakon output sockets (1+, 2-). Sound volume of Output CH1 and CH3 is controlled by sound volume control knobs of CH1&CH2 (together), CH3&CH4 (together) on the front panel respectively.

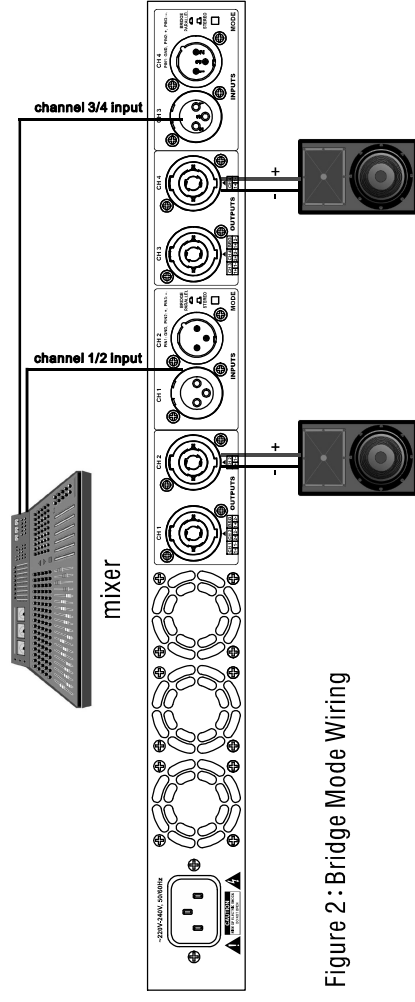



Figure 2 : Bridge Mode Wiring

2.3 PARALLEL Mode Wiring

IMPORTANT: Before wiring, rotate the sound control knob to the minimum, turn off the amplifier and unplug its power cord.

Choose the PARALLEL mode on the rear panel by pressing the button: . Connect the inputs and outputs as Figure 3. Pay attention to the polarity of the connection between the speaker and amplifier. Sound volume of Output CH1, CH2, CH3 and CH4 is controlled by sound volume control knobs of CH1/CH2, CH3/CH4 on the front panel.

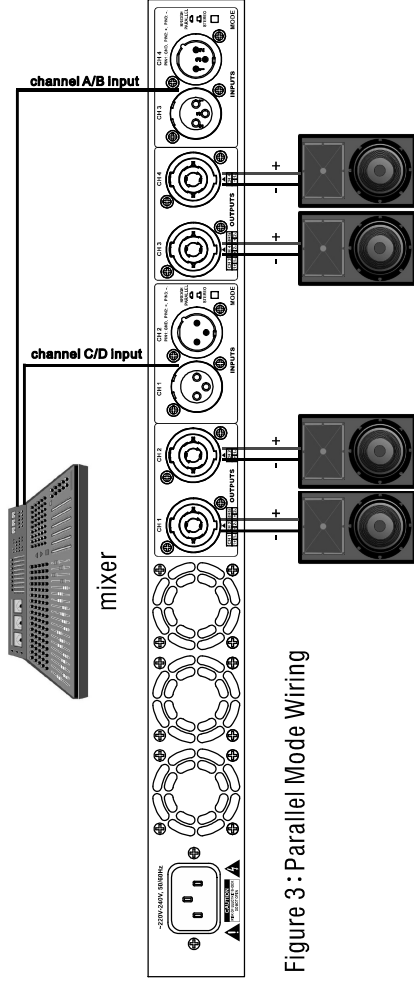


Figure 3 : Parallel Mode Wiring



There are yellow CLIP LED lights for each channels which indicates clipping. If CLIP light flickers, it indicates the signal has been clipped. When the power amplifier works normally, it is a normal 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 control knobs on the front panel.

Specifications

Output Power	D1204	
Model	D600	4x300W
8Ω	2x300W	4x500W
4Ω	2x500W	NA
2Ω	NA	2x900W
Bridge 8Ω	900W	NA
Bridge 4Ω	NA	
AC Main Power	AC~200-240V/50-60Hz	
Power Supply	AC~200-240V/50-60Hz	
Audio		
Input Sensitivity	0.775 V	
Frequency Response	15Hz-30kHz(±1dB)	
S/N Ratio	100dB	
THD+N	<0.1%	
Input Impedance	20kΩ Balance, 10kΩ Unbalance	
Slew Rate	28V/μs	
Damping Factor	>240(1kHz.8Ω)	
Construction		
Product Dimensions	(WxHxD) 483mmx44mmx252mm	
Packing Size	(WxHxD) 550mmx70mmx320mm	
Net/Gross Weight	5.1KG/5.9KG	

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WARNING: NOT SUGGEST TO USE AT LOAD OF STEREO 2 Ω!