



ENTERTAINMENT

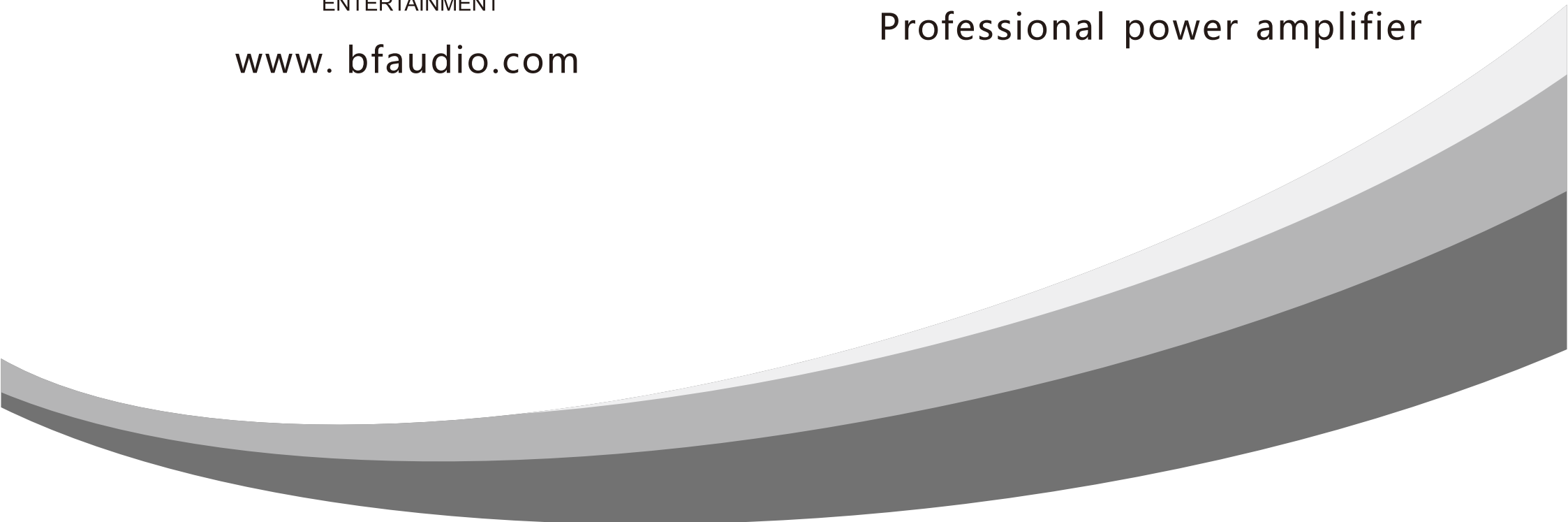


ENTERTAINMENT

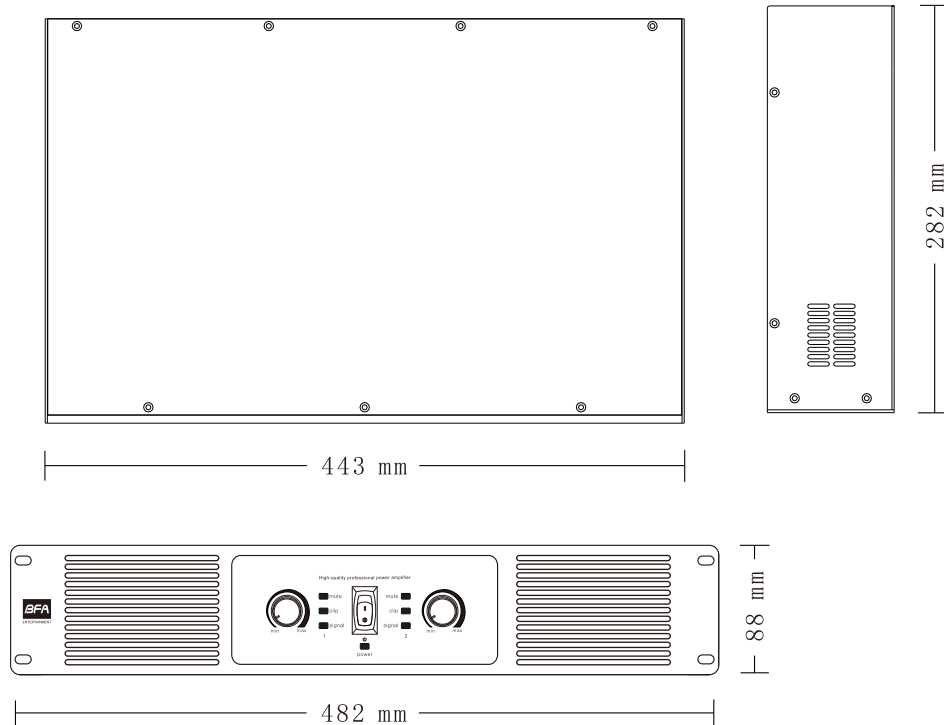
www.bfaudio.com

Operation Manual

Professional power amplifier



Equipment size



Notes

- please read this user manual carefully.
- please keep good user manual.
- please note that all warning.
- please comply with the operating rules.
- please use dry cloth to wipe.
- please don't jam vent.
- please do not install in will generate heat equipment near, such as radiator, thermal control loading device, oven, cooling wind direction and the machine instead of the equipment.
- please check plug electrode or earthing safety. If plug already aging damage Or and your socket do not match. Please to electrical engineering consulting know how to replace the old socket.
- please pay attention to protect wires, do not trample or extrusion.
- please use the company designated accessories or accessories.
- in during thunder happening or long time need not when, please pull the plug this equipment.
- if the damage to the equipment, the need for maintenance, please to the company designated qualified personnel for maintenance.
- to avoid shock hazard, please do not remove cover. Internal no users can repair parts, please contact the qualified professional maintenance.
- machine has not insulation "dangerous" voltage, on the body produce shock hazard, please open the case.
- to prevent fire or shock, please don't put equipment exposed to rain or moisture environment, don't near the place where water use of this equipment.
- high service output next to the lightning sign warns the user output volume have shock hazard, equipment power open do not contact output terminal, it is possible to cause dangerous output connector are marked with lightning symbol.

DETAILED SAFETY PRECAUTIONS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

AWARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

ACAUTION: Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.

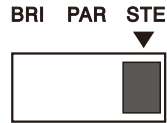
- Check the AC voltage before connecting the plug The unit must be properly grounded to avoid electrical shock to the operator. Choose the main supply for the sound system with care, and do not share sockets or grounding with light dimmers.
- Separate audio and lighting cables at right angles to minimize the possibility of interference keep unbalance cables as short as possible.
- Check your cables regularly and label each end for easy identification.
- Before switching on the main power, set the input level adjustment, faulty wiring, defective cables, or bad connections.
- Always turn the unit on before turning on the power amplifier; always turn it off after tuning of the amplifier.
- Always turn off the main power before connecting or disconnecting the unit.
- Never use solvents to clean the unit Clean the unit with a soft, dry cloth.

Technical parameters

MODEL	JK-3000V	JK-5000V
Stereo power (8Ωhms)	300Wx2	500Wx2
1KHz0.1% THD (4Ωhms)	500Wx2	800Wx2
1KHz0.1% THD (2Ωhms)	600Wx2	1000Wx2
Bridge mono Power (8Ωhms)	900W	1200W
Bridge mono Power (4Ωhms)	1100W	1600W
Signal to noise	96dB	102dB
Slew Rate	40V/us	45V/us
Damplng Factor	300	400
Frequency response	20Hz-20kHz (±0.5dB)	
THD	0.09%	
IMD	≤0.01% Rated Power@8Ωhms	
Input sensitivity	0.775V	
Input impedance	10kohms-20kohms	
Input CMRR	≤-75dB	
Cross talk	≤-70dB	
LEPindicator	Signal, Protect, Dctive, Clip/Liniting	
Main power supply	~220v 50/60Hz	

Pattern setting

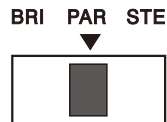
1. Stereo mode setting



Switch the position.

In stereo mode, each channel signal is independent.

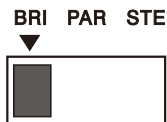
2. Parallel mode setting



Switch the position.

In parallel mode, the signal needs to be input only, and the signal is internally connected in parallel. 2 channel output consistent, volume independent control.

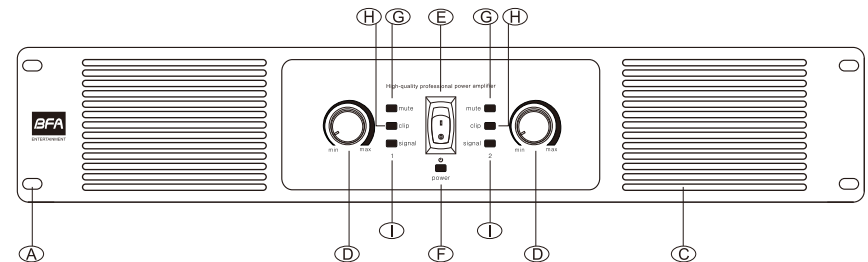
3. Bridge mode setting



Switch the position.

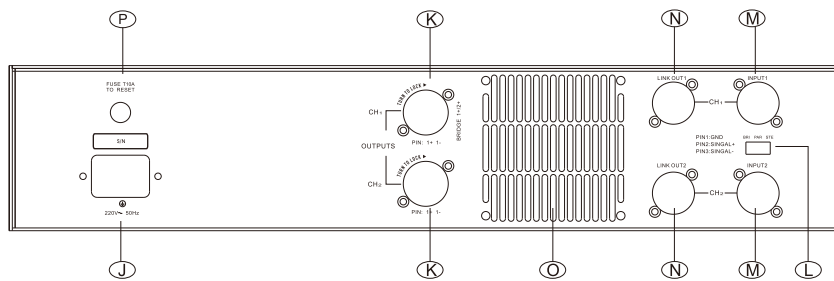
In the bridge mode, the signal is input from CH1, the volume of each channel is adjusted equally, and the output is connected to CH11+ CH2 1+.

Panel function declaration



- A、Standard Mounting Holes
- B、Handles
- C、Ventilation Slots
- D、Volume Control
- E、Power Switch
- F、Power
- G、Protect
- H、Clip
- I、Signal

Back board function declaration



- | | |
|----------------------|----------------------|
| J、AC Power Input | N、Signal Output |
| K、Output To Speaker | O、Fan |
| L、Mode Select Switch | P、Overload protector |
| M、Signal Input | |

Input and output signal wiring method

- input signal connection methods:
The input signal can be received corleone socket or 1/4 on socket, balance input connection see chart 4-1, unbalanced input method (see figure 4-2, it is suggested that give priority to the balance input connection, especially when Signal wire is longer, can effectively reduce communication hum.



Never connecta "+" output to ground or to another "+" output!

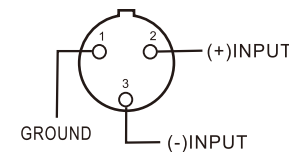


FIGURE5-1
BALANCED INPUT CONNECTION

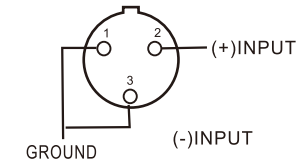
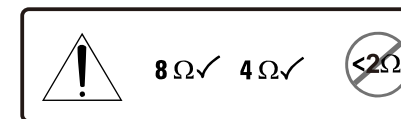


FIGURE5-2
UNBALANCED INPUT CONNECTION

CONNECTING OUTPUTS

Speakers can be connected using banana plugs, spade plugs, or bare wire to the binding posts and neutrik plugs on the rear panel of the amplifier(See Figure rear panel). Consult the wire gauge chart to determine wire to the binding posts and neutrik plugs on the rear panel of the amplifier binding posts are considered "+" connecting to the positive poles of speakers, while the black binding posts are at signal ground, connecting to the negative poles of speakers(SeeSection 8 for in formation on bridged mode and its output configuration).



Impedance description