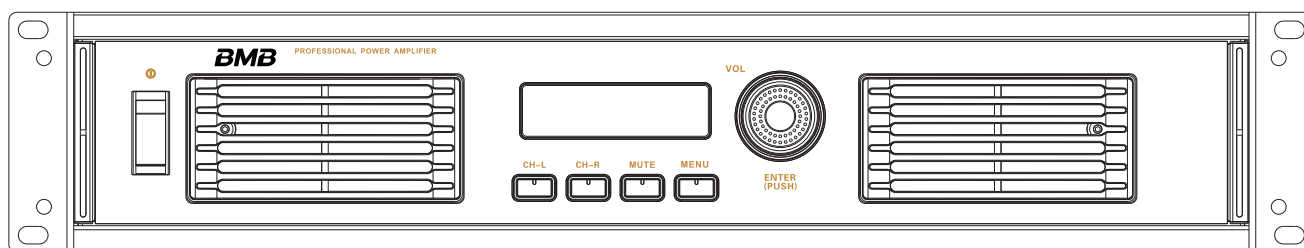


OPERATING INSTRUCTION



Thank you very much for choosing this professional power amplifier.

Please read this handbook page by page carefully, in order to make the best of it.

The handbook can help you timely when you encounter any problem.

Contents

Use the amplifier safely	1	System connection	13
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USE THE AMPLIFIER SAFETY



• ABOUT THE SAFETY SYMBOLS





The lightning flash with arrowhead symbol, within equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's 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.

INSTRUCTIONS FOR THE PREVENTION OF FIRE, ELECTRIC SHOCK, OR INJURY TO PERSONS

About  WARNING and  CAUTION Notices

 WARNING	Used for instructions intended to alert the user to the risk of death or severe injury should the unit be used improperly.
 CAUTION	Used for instructions intended to alert the user to the risk of injury or material damage should the unit be used improperly. Material damage refers to damage or other adverse effects caused with respect to the home and all its furnishings, as well to domestic animals or pets.

About the Symbols

	The  symbol alerts the user to important instructions or warnings. The specific meaning of the symbol is determined by the design contained within the triangle. In the case of the symbol at left, it is used for general cautions, warnings, or alerts to danger.
	The  symbol alerts the user to items that must never be carried out (are forbidden). The specific thing that must not be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the unit must never be disassembled.
	The  symbol alerts the user to things that must be carried out. The specific thing that must be done is indicated by the design contained within the circle. In the case of the symbol at left, it means that the power supply cable plug must be unplugged from the outlet.

Safety Alert

- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

----- ALWAYS OBSERVE THE FOLLOWING -----

WARNING

Do not disassemble or modify by yourself

Do not open (or modify in any way) the unit or its power supply cable.



Do not repair or replace parts by yourself

Do not attempt to repair the unit, or replace parts within it (except when this manual provides specific instructions directing you to do so). Refer all servicing to your retailer.



Do not use or store in the following types of locations

- Subject to temperature extremes (e.g., direct sunlight in an enclosed vehicle, near a heating duct, on top of heat-generating equipment); or are
- Damp (e.g., baths, washrooms, on wet floors); or are
- Exposed to steam or smoke; or are
- Subject to salt exposure; or are
- Humid; or are
- Exposed to rain; or are
- Dusty or sandy; or are
- Subject to high levels of vibration and shakiness; or are
- In a place near cooking utensils where the unit may be subjected to soot, smoke, fume or heat.



Do not place in an unstable location

Make sure you always have the unit placed so it is level and sure to remain stable. Never place it on stands that could wobble, or on inclined surfaces.



Use only the supplied power cord

Use only the attached power-supply cord. Also, the supplied power cord must not be used with any other device.



Do not bend the power cord or place heavy objects on it

Do not excessively twist or bend the power cord, nor place heavy objects on it. Doing so can damage the cord, producing severed elements and short circuits. Damaged cords are fire and shock hazards!



Avoid extended use in high volume

The sound pressure level produced by this equipment is used together with speaker would probably cause permanent hearing loss, please don't operate this equipment under high volume level for a long time. If you feel hearing loss or tinnitus, you should immediately stop using the equipment and see a doctor quickly.



Dangerous voltage

The lightning flash with arrowhead symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



USE THE AMPLIFIER SAFETY

⚠ WARNING

Don't allow foreign objects or liquids to enter unit; never place containers with liquid on unit

Do not place containers containing liquid on this product. Never allow foreign objects (e.g., flammable objects, coins, wires) or liquids (e.g., water or juice) to enter this product. Doing so may cause short circuits, faulty operation, or other malfunctions.



Turn off the unit if an abnormality or malfunction occurs

Immediately turn the unit off, remove the power supply cable from the outlet, and request servicing by your retailer:

- The power supply cord, or the plug has been damaged; or
- If smoke or unusual odor occurs; or
- Objects have fallen into, or liquid has been spilled onto the unit; or
- The unit has been exposed to rain (or otherwise has become wet); or
- The unit does not appear to operate normally or exhibits a marked change in performance.



Adults must provide supervision in places where children are present

When using the unit in locations where children are present, be careful so no mishandling of the unit can take place. An adult should always be on hand to provide supervision and guidance.



Do not drop or subject to strong impact

Protect the unit from strong impact.
(Do not drop it!)



⚠ WARNING

Do not share an outlet with an unreasonable number of other devices

Do not force the unit's power-supply cord to share an outlet with an unreasonable number of other devices. Be especially careful when using extension cords—the total power used by all devices you have connected to the extension cord's outlet must never exceed the power rating (watts/amperes) for the extension cord. Excessive loads can cause the insulation on the cord to heat up and eventually melt through.



Check the voltage of your local mains supply

The power cord should not be connected to a direct current (DC).



The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.



The external wiring connected to Speaker terminals requires installation by an instructed person or the use of ready made leads or cords.



Use this unit at an elevation lower than 2,000 meters.



⚠ CAUTION

Place in a well ventilated location

The unit should be located so their location or position does not interfere with their proper ventilation.



Manage cables for safety

Try to prevent cords and cables from becoming entangled. Also, all cords and cables should be placed so they are out of the reach of children.



Avoid climbing on top of the unit, or placing heavy objects on it

Never climb on top of, nor place heavy objects on the unit.



⚠ CAUTION

Do not connect or disconnect the power cord with wet hands

Never handle the power supply cable or its plugs with wet hands when plugging into, or unplugging from, an outlet or this unit.



Disconnect everything before moving the unit

Before moving the unit, disconnect the power supply cable and all cords coming from external devices.



Unplug the power cord from the outlet before cleaning

Before cleaning the unit, turn it off and unplug the power supply cable from the outlet.



Unplug the power cord from the outlet before repairing

Before repairing the unit, turn it off and unplug the power supply cable from the outlet.



Keep small items out of the reach of children

To prevent accidental ingestion, always keep them out of the reach of small children.



When unusing the unit for an extended period of time

When you leave your home for a long period of time, turn OFF the power and remove the power supply cable from the AC outlet. This will prevent from unexpected accident and fire.



The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.



If the power plug or appliance coupler as a disconnect device, the disconnect device should maintain a convenient operation.



IMPORTANT NOTES, MAIN FEATURES

Important notes

1. Power Supply

- ◆ Do not connect this unit to same electrical outlet that is being used by an electrical appliance that is controlled by an inverter or a motor (such as a refrigerator, washing machine, microwave oven, or air conditioner). Depending on the way in which the electrical appliance is used, power supply noise may cause this unit to malfunction or may produce audible noise. If it is not practical to use a separate electrical outlet, connect a power supply noise filter between this unit and the electrical outlet.
- ◆ To prevent malfunction and equipment failure, always make sure to turn off the power on all your equipment before you make any connections.

2. Placement

- ◆ Using the unit near other equipment containing large power transformers) may induce hum. To alleviate the problem, change the orientation of this unit; or move it farther away from the source of interference.
- ◆ This device may interfere with radio and television reception. Do not use this device in the vicinity of such receivers.
- ◆ Noise may be produced if wireless communications devices, such as cell phones, are operated in the vicinity of this unit. Such noise could occur when receiving or initiating a call, or while conversing. Should you experience such problems, you should relocate such wireless devices so they are at a greater distance from this unit, or switch them off.
- ◆ Do not expose the unit to direct sunlight, place it near devices that radiate heat, leave it inside an enclosed vehicle, or otherwise subject it to temperature extremes. Excessive heat can deform or discolor the unit.
- ◆ When moved from one location to another where the temperature and/or humidity is very different, water droplets (condensation) may form inside the unit. Damage or malfunction may result if you attempt to use the unit in this condition. Therefore, before using the unit, you must allow it to stand for several hours, until the condensation has completely evaporated.
- ◆ Depending on the material and temperature of the surface on which you place the unit, its rubber feet may discolor or mar the surface. You can place a piece of felt or cloth under the rubber feet to prevent this from happening. If you do so, please make sure that the unit will not slip or move accidentally.
- ◆ Do not put anything that contains water on this unit. Also, avoid the use of insecticides, perfumes, alcohol, nail polish, spray cans, etc., near the unit. Swiftly wipe away any liquid that spills on the unit using a dry, soft cloth.

3. Maintenance

- ◆ For everyday cleaning wipe the unit with a soft, dry cloth or one that has been slightly dampened with water. To remove stubborn dirt, use a cloth impregnated with a mild, non-abrasive detergent. Afterwards, be sure to wipe the unit thoroughly with a soft, dry cloth.
- ◆ Never use benzine, thinners, alcohol or solvents of any kind, to avoid the possibility of discoloration and/or deformation.

4. Any other notes before using

- ◆ Use a reasonable amount of care when using the unit's buttons, sliders, or other controls; and when using it's jacks and connectors. Rough handling can lead to malfunctions.
- ◆ Never strike or apply strong pressure to the display.
- ◆ When disconnecting all cables, grasp the connector itself—never pull on the cable. This way you will avoid causing shorts, or damage to the cable's internal elements.
- ◆ When you need to transport the unit, package it in the box (including padding) that it came in, if possible. Otherwise, you will need to use equivalent packaging materials.
- ◆ Some connection cables contain resistors. Do not use cables that incorporate resistors for connecting to this unit. The use of such cables can cause the sound level to be extremely low, or impossible to hear. For information on cable specifications, contact the manufacturer of the cable.

5. Notes before connection

- ◆ Please cut down the power when connecting.
- ◆ Input and output connector on the amplifier, black stands for cathode. Red stands for anode. Please confirm that the connection of the cathode and anode is right and fastness.
- ◆ Fix-up the connector. The ill connection may lead no voice output, or noise.
- ◆ Please hold the connector of the cable when pull out the power connector from the power socket.

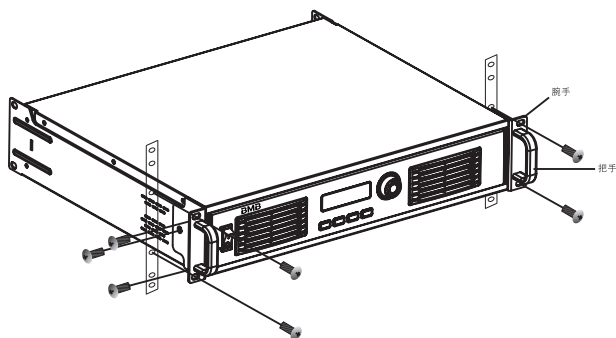
Main characteristic

- ◆ The power supplier technology was our patent, high efficiency, low fever, small volume, high quality and inexpensive;
- ◆ DSP manage analog signal, more brainpower, more flexible, more accurate.
- ◆ Perfect circuit protection, reduce damage rate leaded by improper using efficiently.
- ◆ LCD screen, display the channel volume, room temperature and function menu accurately, and operating intuitive.
- ◆ Each channel can set the maximum voice.
- ◆ Limiting 4 or 5 gear selection

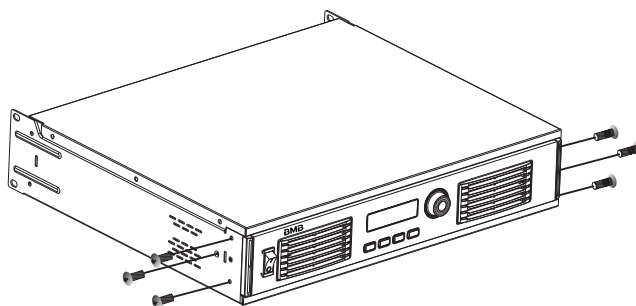
EQUIPMENT INSTALLATION

Equipment cabinet installation

Lift the power amplifier handle, put the power amplifier into the equipment cabinet. After confirm the smooth, use screws to tight the screw holes both on the front panel's wrist hand and the cabinets, thus the power amplifier is fixed on cabinet (like picture 1). if you no need to put into the cabinet, you can remove the wrist and hand handle, use the incidental screws to lock the screw holes in the machine's two sides. (like picture 2).



picture-1

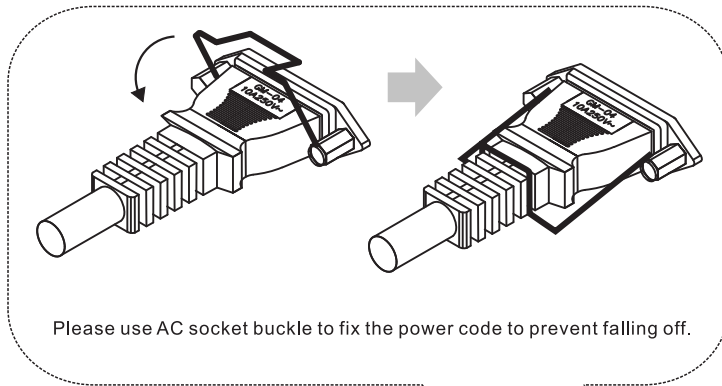
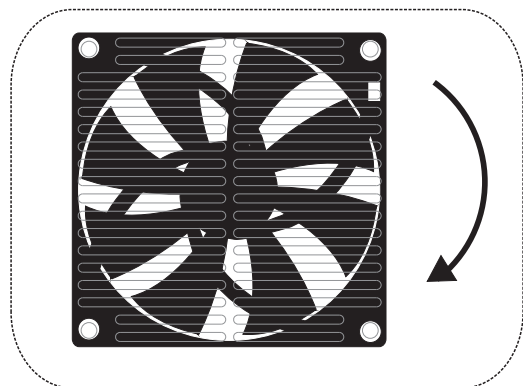


picture-2

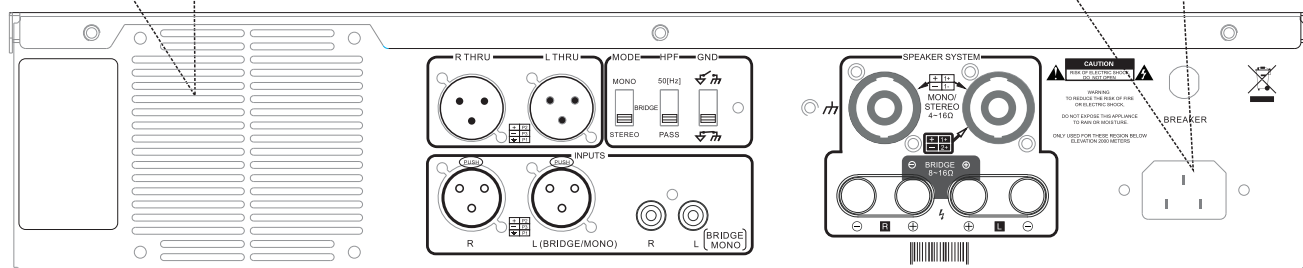
Cooling fan installation and Power Fix

Install the cooling fan of the amplifier, please make sure that the fan is clockwise when you face the rear panel (like the following picture), so the internal heat could be discharged and safe working temperature would be ensured.

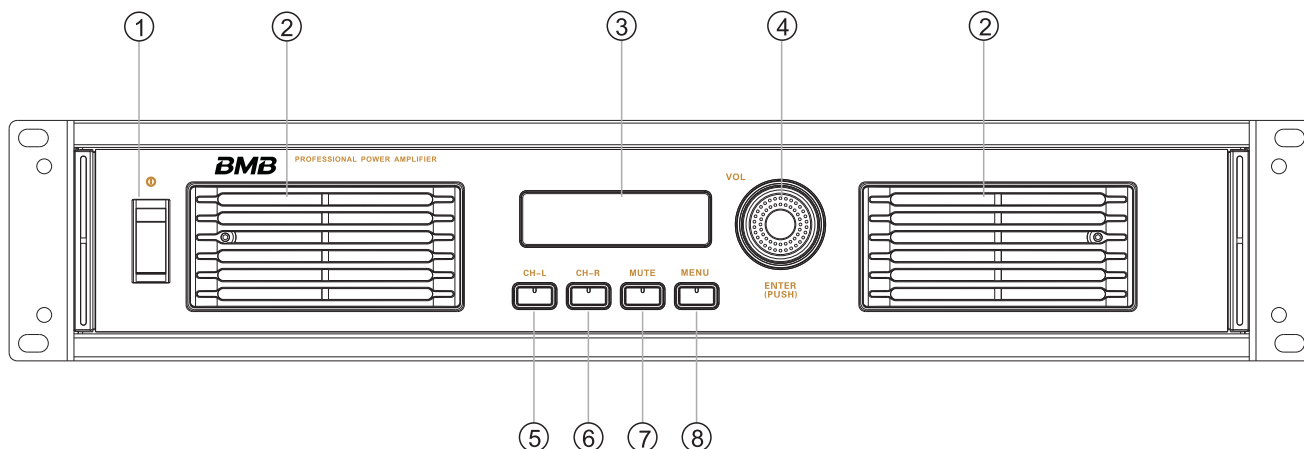
In order to protect the normal ventilation of the cooling fan outlet, the rear board of amplifier should be settled far away from the wall or other objects at least 15-20 cm



Please use AC socket buckle to fix the power code to prevent falling off.



FRONT-PANEL INTRODUCTION



① Power switch

Button up connected the power, button down cut down the power

② Radiator griller

Air inlet for heat radiating, do not shelter

Cleaning method: Remove the Allen screw in the radiator griller with Allen key, take down the radiator griller, then proceed the dust removal.

③ LCD display screen

LCD screen display the room temperature or the strength of input signal when the amplifier works normally and without operating; LCD display the menu when operating

④ VOL/ENTER switch button (this is the button and also is a switch)

Generally, the switch can change the voice and locked related operating after press the button; it double has choose and determining function when used with menu

⑤ CH-L :

Left-voice switch

⑥ CH-R :

Right-voice switch

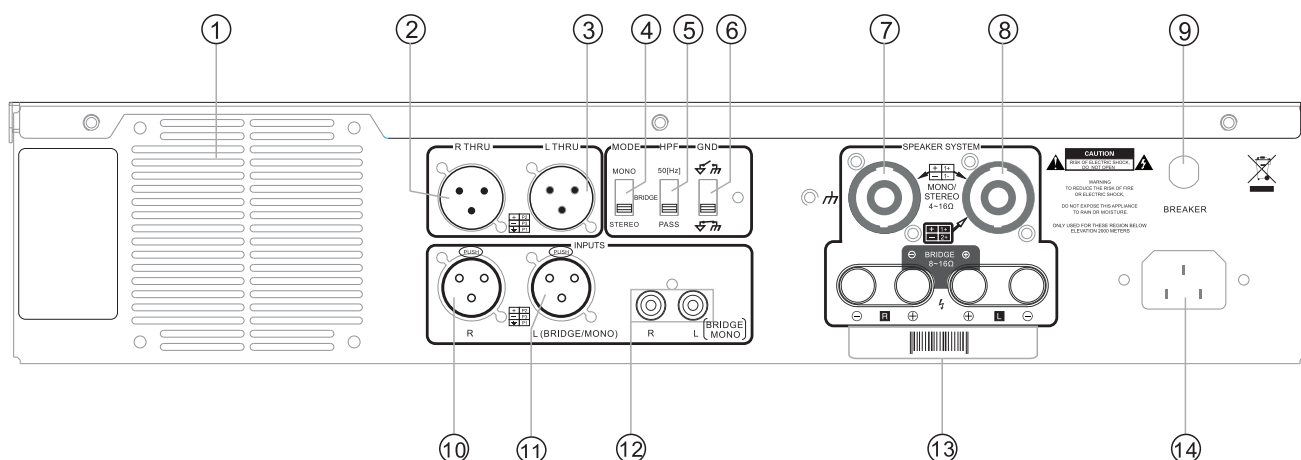
⑦ MUTE :

Mute button

⑧ MENU :

Function menu includes kinds of function operating

REAR-PANEL INTRODUCTION



① Rear-panel introduction

Fan outlet

② R-THRU signal output connector (Cannon male connector)

This connector can output the R channel input single without amplifying, used for more than one amplifier.

③ L-THRU signal output connector (Cannon male connector)

This connector can output the L channel input single without amplifying, used for more than one amplifier.

④ Voice mode switch

Through this switch, you can choose MONO mode(single track), STEREO mode(stereo signal), BRIDGE mode (bridge connection)

⑤ HPF switch

High-frequency filter switch, set the switch to 50HZ to cut the signal under 50HZ, set the switch to PASS to do nothing.

⑥ Earth-connection switch

Set the switch upper means without earth-connection, set the switch down means earth-connecting

⑦ Right track NL4 speaker output connector(1+,1-)

R track amplifying signal output connector, connect with speaker or audio

⑧ Left track NL4 speaker output connector(1+,1-)

L track amplifying signal output connector, connect with speaker or audio

Notice: L track and R track NL4 SPEAKON output connector connect with speaker, the resistance range of the speaker is 6ohm~8ohm, do not less than 4ohm, and 8ohm is recommended

⑨ Over current protector

The over current protector will flick out when the current was out of the related range, and the power will be cut down to protect the device. Press the button by hand will recover and the device will re-work normally

⑩ Balance right track signal connector (Cannon female connector)

When stereo mode, connect with the right track input signal

⑪ Balance left track signal connector (Cannon female connector)

When stereo mode, connect with the right track input signal; when MONO mode or BRIDGE mode, connect with single track signal

⑫ Double track non-balanced signal input RCA connector (RCA)

Female L connector connect with left track signal, R connector connect with right track signal

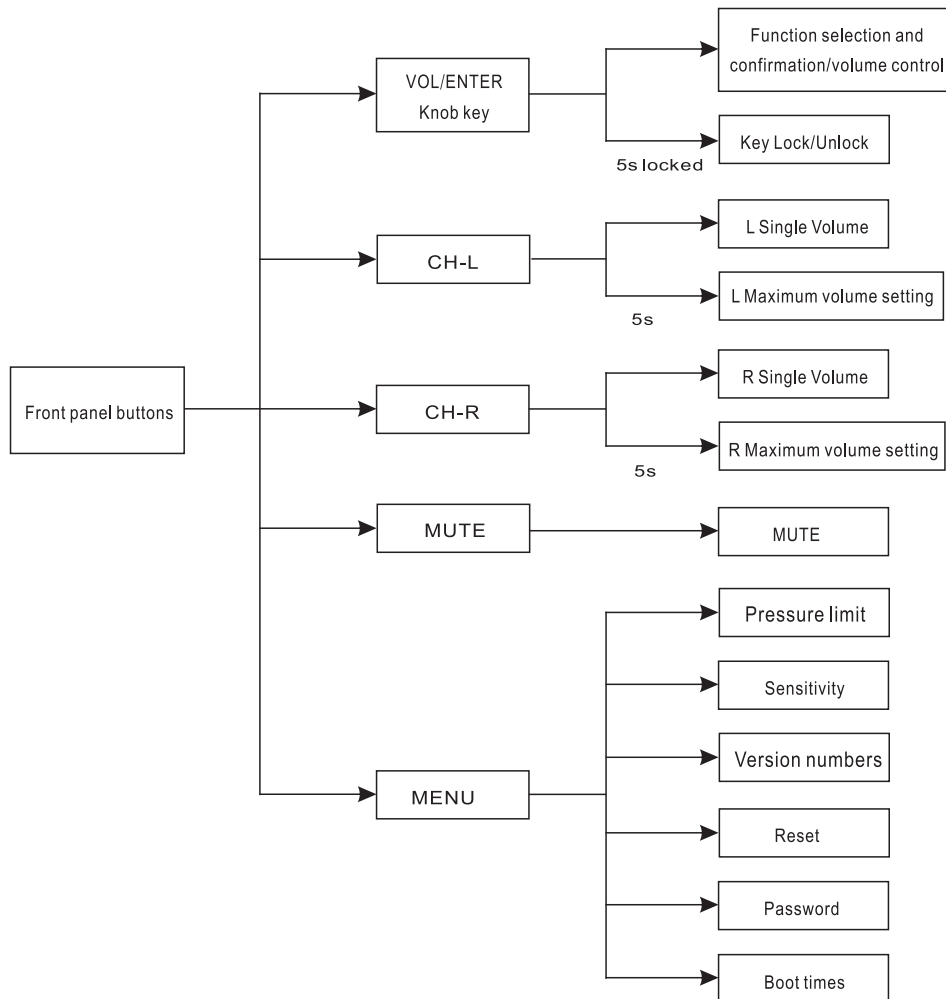
⑬ Wiring terminal output connector

The output connector of L track and right track (parallel to SPEAKON), each have a anode wiring terminal (right) and a cathode wiring terminal (black)

⑭ AC Power input interface(220-240 50/60Hz)

Using socket buckle to prevent the power code falling off. (As shown in the diagram on page 4)

FRONT PANEL BUTTONS FUNCTION TREE



FUNCTION MENU OPERATION

Turn on the amplifier, the electric relay of the chief power will turn on first, and the relay of the track volume will turn on in 5 seconds, and then the volume will rise to the value last time before shutdown.

◆The amplifier work normally, without any other operating, and no signal input, the screen will display the room temperature.

```
CHL Temper.: 28
CHR Temper.: 27
```

◆The amplifier work normally, without any other operating, but with the signal input, the screen will display the strength of the volume.

```
CHL .....
CHR .....

```

1.Channel volume adjustment

◆When the amplifier work normally, switch the volume switch can adjust the value of both of the tracks.

```
VOLUME CHL    63
VOLUME CHR    63
```

◆Press the CH-L button, the screen displays the volume value of the left track and flickering, and switch the VOL button can adjust the value of the left volume.

◆Press the CH-R button, the screen displays the volume value of the right track and flickering, and switch the VOL button can adjust the value of the right volume.

2.Set or cancelling the maximum volume of the single track

◆Set the maximum volume of the left track, press the CH-L button for 5 seconds, the screen displays "CHL:Max Vol**?", and the maximum volume value is flickering, then switch the "VOL" to the value which you want, then press the ENTER button, the screen displays "CHL:Max Vol SET" as show in the picture, then the left volume value is set successfully.

```
AMPLIFIER
CHL: Max Vol ?
```

```
AMPLIFIER
CHL: Max Vol SET
```

◆After setting the maximum volume of the left track, press the CH-L for 5 seconds, the screen display "CHL:Max Vol CNL", then canceled the maximum volume of the left volume.

```
AMPLIFIER
CHL:Max Vol CNL
```

◆Set the maximum volume of the right track, press the CH-R button for 5 seconds, the screen displays "CHR:Max Vol**?", and the maximum volume value is flickering, then switch the "VOL" to the value which you want, then press the ENTER button, the screen displays "CHR:Max Vol SET" as show in the picture, then the right volume value is set successfully.

```
AMPLIFIER
CHR: Max Vol 60?
```

```
AMPLIFIER
CHR: Max Vol  ?
```

```
AMPLIFIER
CHR:Max Vol SET
```

◆After setting the maximum volume of the right track, press the CH-R for 5 seconds, the screen display "CHR:Max Vol CNL", then canceled the maximum volume of the right volume.

```
AMPLIFIER
CHL:Max Vol CNL
```

3.Mute or cancel mute

◆Press the MUTE button, the mute LED shines, and the screen display "AMPLIFERMUTE ON", which stands for the amplifier was mute. The amplifier will remember the volume before mute automatically.

```
AMPLIFIER
MUTE ON
```

◆Press the MUTE button once again, the mute LED extinguished, the amplifier will recover the volume from mute to the volume which have remembered before, and the mute canceled.

FUNCTION MENU OPERATION

4.The channel signal model

◆Amplifier mode selector switch on the rear panel, when it appropriated MONO, the screen shows "Mono Mode". At this point, L and R channels in and connected state, that is L-channel input signal after amplification by the power from both the L channel and R channel output.

AMPLIFIER
Mono Mode

◆When it appropriated STEREO, screen displays "Stereo Mode" L and R channels in stereo independent state, that is L-channel input signal through the power amplification output from the L channel , R-channel input signal through the power amplification output from R channel .

AMPLIFIER
Stereo Mode

◆When it appropriated Bridge , the screen displays "Bridge Mode", L and R channels into bridged state, ie L channel input signal through the power amplifier, the anode from the L and R cathode consisting of bridged output.

AMPLIFIER
Bridge Mode

5.Limiter function

◆When the mode switch is in the channel signal BRIDGE, when you press the MENU Function menu key, the screen appears the menu prompts "Function Menu" and "Limit Select?" (If Function menu does not in limiter module, you can rotate VOL knob to select the limiter module), and then press ENTER knob to confirm, the screen appears bridge limiter tips "Limit Select" and "Limit: OFF?" . Rotating the VOL button to choose the limiting device switch and power value(DAP-8000 amplitude limiting can choose OFF,800W, 700W,600W,500W,400W; DAP-5000 amplitude limiting can choose OFF, 500W,400,300,200W), then press the ENTER key to confirm, the screen appears OK prompt means amplitude limiting success.

Function Menu
Limite Select ?

Limit Select
Limit: OFF ?

Limit Select
Limit: 200W ?

Limit Select
Limit: 200W OK

◆When the mode switch is in the channel signal BRIDGE, when you press the MENU Function menu key, the screen appears the menu prompts "Function Menu" and "LimiteSelect?" (If Function menu does not in limiter module, you can rotate VOL knob to select the limiter module), and then press ENTER knob to confirm, the screen appears bridge limiter tips "Limit Select" and "Bri Lmt: OFF?" . You can rotate VOL knob to select the limiter switch (BRIDGE mode only choose limiter ON or OFF) and press ENTER knob to confirm, the screen appears OK limiting hint that the limiting success.

Function Menu
Limite Select ?

Limit Select
Bri Lmt: OFF ?

Limit Select
Bri Lmt: ON ?

Limit Select
Bri Lmt: ON OK

6.Restore factory settings

◆Press the MENU (Function menu key) to enter the Function menu selection mode. Rotating VOL knob, when the screen appears menu prompt "Function Menu" and "Reset Sys Coeff?", You can press the ENTER key to enter the factory setting knob module. At this point Rotate VOL knob to make no changes to yes, and then press ENTER to confirm, the screen appears "reset OK" prompt, namely to restore the factory settings successfully.

FUNCTION MENU OPERATION

Function Menu
Reset Sys Coeff?

Reset Sys Coeff
no ?

Reset Sys Coeff
yes ?

AMPLIFIER
reset.....ok

7. Software version query

◆Press the MENU (Function menu key) to enter the Function menu selection mode. Rotating VOL knob, when the screen appears menu prompt "Function Menu" and "SoftWareVers?". You can press the ENTER knob key to enter the software version query, at the moment the screen would display the software version name, like the following figure, the screen display of DAP-8000 and DAP-5000 respectively is "DAP8000 Ver1.2" and "DAP5000 Ver1.2".

Function Menu
SoftWare Vers ?

AMPLIFIER
DAP8000 Ver1.2

AMPLIFIER
DAP5000 Ver1.2

8. Locking the Controls

◆Press ENTER knob button for 5 seconds, the screen displays "Lock the keys no?" prompt, you can rotate VOL knob to no becomes yes. And then press ENTER knob key to confirm, the screen displays "Key is Lock" prompt, namely CH-L bond, CH-R key, MUTE button and MENU buttons have all been blocked, only VOL / ENTER knob keys can be used, according to the other four keys do not work, and the screen displays "Keys Locked".

Lock the Keys
no ?

Lock the Keys
yes ?

AMPLIFIER
Key is Lock

◆Press ENTER knob button for 5 seconds, the screen displays "Lock the keys yes?" prompt, you can rotate VOL knob to yes becomes no, then press the ENTER knob key to confirm, the screen displays "Key is Unock", that is keys to unlock.

Lock the Keys
yes ?

Lock the Keys
no ?

AMPLIFIER
Key is Unlock

9. Power-on password settings

◆Press the MENU (Function menu key) to enter the Function menu selection mode. Rotating VOL knob, when the screen appears menu prompt "Function Menu" and "Reset New Pswd?". Press the ENTER key to enter the power-on password setting knob module. At this point, the screen displays "Reset New Pswd" and "Old Pswd 1000" prompt. Rotate VOL knob to enter the initial password is 1012, press ENTER knob to confirm, the screen displays "New Pswd 1000" prompt. Rotate VOL knob to enter the new password you want to set, then press ENTER knob to confirm, the screen displays "Password set Ok" prompt, that is power-on password is set successfully.

Function Menu
Set Boot Time ?

Reset New Pswd
old Pswd 1000

Reset New Pswd
old Pswd 1012

FUNCTION MENU OPERATION

```
Reset New Pswd
new Pswd      1000
```

```
Reset New Pswd
Password set   ok
```

◆If you are not careful to forgot password , once again when you modify the password, you can enter the old password 941 universal initial password, and then re-set your password.

10.Boot times settings

◆Press the MENU (Function menu key) to enter the Function menu selection mode. Rotating VOL knob, when the screen appears menu prompt "Function Menu" and "Set Boot Time?", You can press the ENTER key to enter the boot times knob settings module. At this point, the screen displays "Set Boot Times" and "Password 1000" prompt, you can rotate VOL knob to enter the password (the last set power-on password), then press ENTER knob to confirm. The display shows "Set Boot Times" and "Times: 0200" prompt, you can rotate VOL knob to enter the number you want to set the value, pressing the ENTER knob to confirm. The screen displays "Set ok" prompt, that is boot times setting successfully.

```
Function Menu
Set Boot Time ?
```

```
Set Boot Times
Password      1000
```

```
Set Boot Times
Password      1012
```

```
Set Boot Times
Times:        0200
```

```
Set Boot Times
Set ok
```

11.Cancel boot times

◆Simultaneously pressing CH-R key and the MUTE button 8 seconds, the screen displays the prompt "CnlBoot Times" and "Password 1000" , you should rotate VOL knob to enter the password (the last set power-on password or universal password 931, and then press ENTER knob to confirm. hen the screen displays "Cnl ok" prompt, that is the number of canceled boot successfully.

```
Cnl Boot Times
Password      1000
```

```
Cnl Boot Times
Cnl ok
```

12.Universal password

◆Universal Passwords are 941 and 931, respectively used for power-on password setup and boot times to cancel the operation (described above has been done).

13.Input Sensitivity

◆Press the MENU (Function menu key) to enter the Function menu selection mode. Rotating VOL knob, when the screen appears menu prompt "Function Menu" and "Input Sensitive?", You can press the ENTER knob key to enter the input sensitivity setting module. At this time, the screen appears prompt "Sensitivity In Signal: 0.77V?" Rotating VOL knob to select 0.77, 1.20, 1.40, 1.60 key to adjust the sensitivity of different values, and then you can press ENTER knob to confirm the value on the screen. Values on the screen after the question mark disappears, that is sensitivity setting success.

```
Function Menu
Input Sensitive?
```

```
Sensitivity
InSignal :0.77v?
```

```
Sensitivity
InSignal :1.60v?
```

```
Sensitivity
InSignal :1.60v
```

AMPLIFIER AUTOMATIC PROTECTION

1.Short circuit protection

◆Amplifier resistance testing by sampling real current to the L channel, for example, when a short-circuit L channel amplifier or current overload, short circuit or overcurrent instantaneous amplifier will carry an instant automatic protection, the screen display as "CHL: Short", this primary protective effect only a moment, and then amplifier will return to normal. R channel as well.

```
CHL:   Short
CHR: Temper.:20
```

◆Sustained short circuit or over current, over 5 s power amplifier, immediately shut off the channel screen shows "chlorophyll: protected" clew, the secondary protection power amplifier will automatically return to normal after 10 s, namely open channel.

```
CHL: Protected
CHR: Temper.:20
```

◆When the secondary protection repeatedly 8 times, power amplifier will be the ultimate protection, namely close channel cannot recover. At this point, the screen shows "chlorophyll: Protected" prompt.

2.DC protection

◆When the L channel Amplifier DC output, the amplifier DC protection automatically shuts down the output, while the screen displays "CHL: DC Protected" prompt. R as well.

```
CHL: DC Protected
CHR: Temper.:20
```

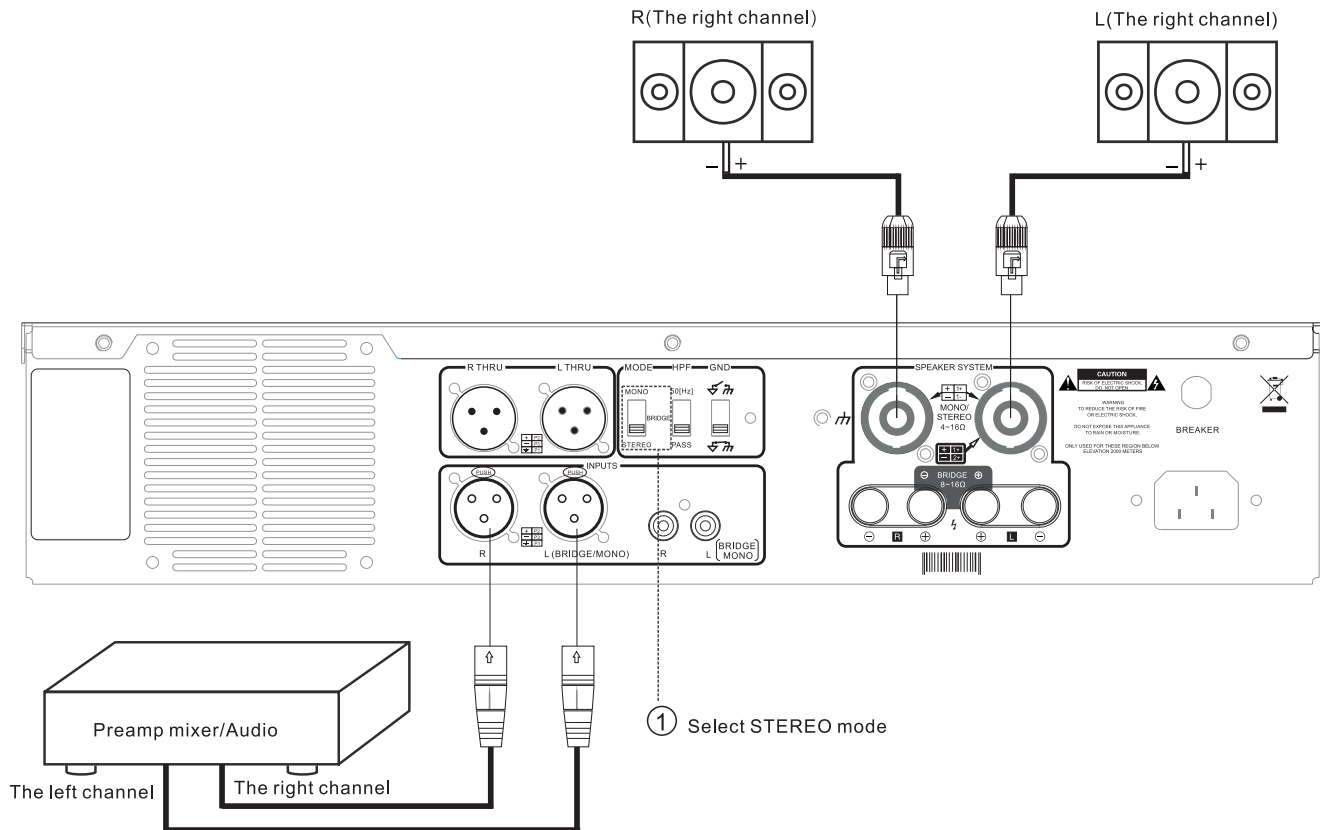
◆When L / R channel has two DC output, the amplifier automatically DC protection, while cutting off the L channel and R-channel output. The screen also shows "CHL: DC Protected" and "CHR: DC Protected" prompt.

```
CHL: DC Protected
CHR: DC Protected
```

SYSTEM CONNECTION

The stereo

The stereo amplifiers, is recorded audio stereo signal source by the front-end processor, power amplifier, speakers and other equipment of the sound system for the replay, to a certain extent, reducing the dimensional feeling and administrative levels of sound.



The stereo connection method is:

After the amplifier panel channel signal in STEREO mode switch gears (pictured above), the power amplifier is in a STEREO mode,

using XLR connectors, connect the STEREO audio L channel to the left of the amplifier L sound channel input interface,

connect the STEREO sound source of the right channel to R sound channel input interface of the power amplifier.

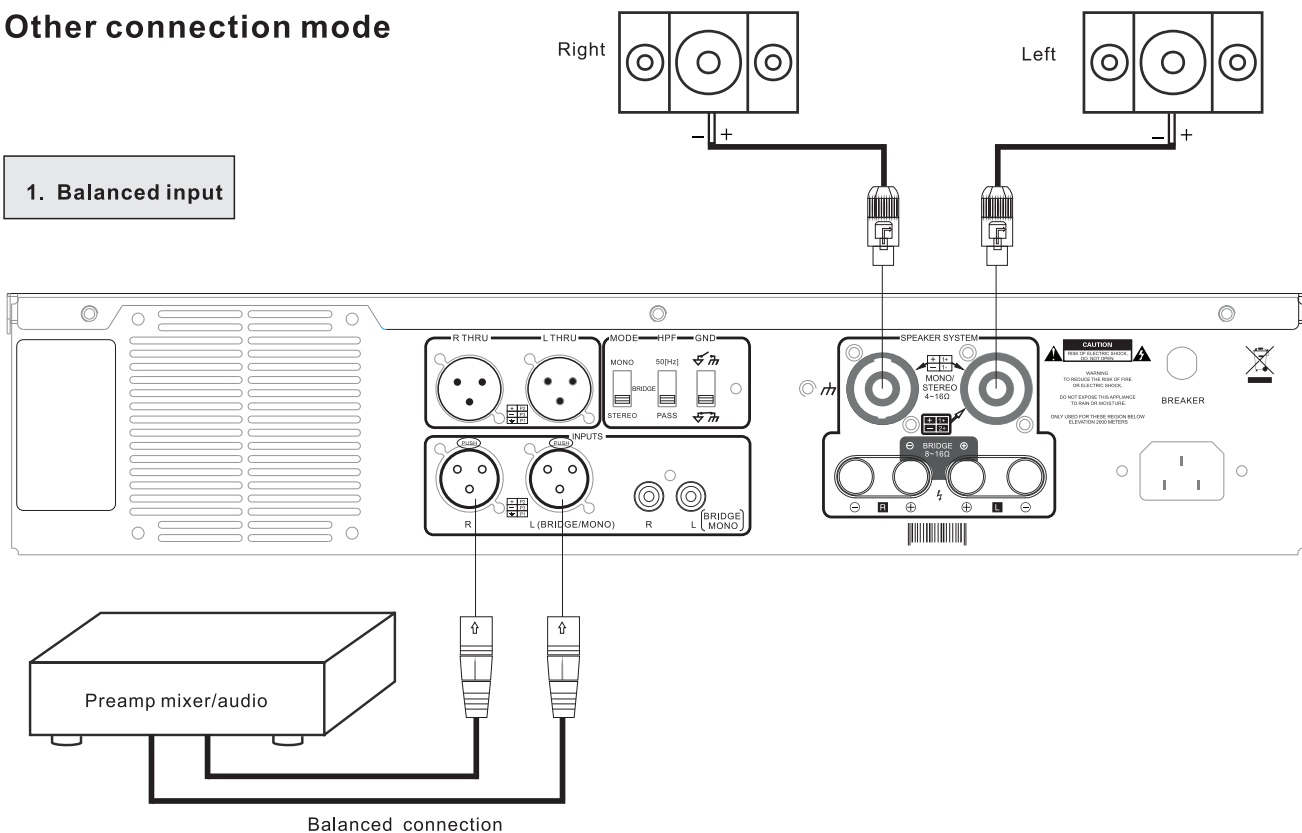
Using RL4SPEAKON lines to connect power amplifier L channel NL4 SREAKON output interface to the Left channel speakers .

Using RL4SPEAKON lines to connect power amplifier R channel NL4 SREAKON output interface to the right channel speakers (pictured above).

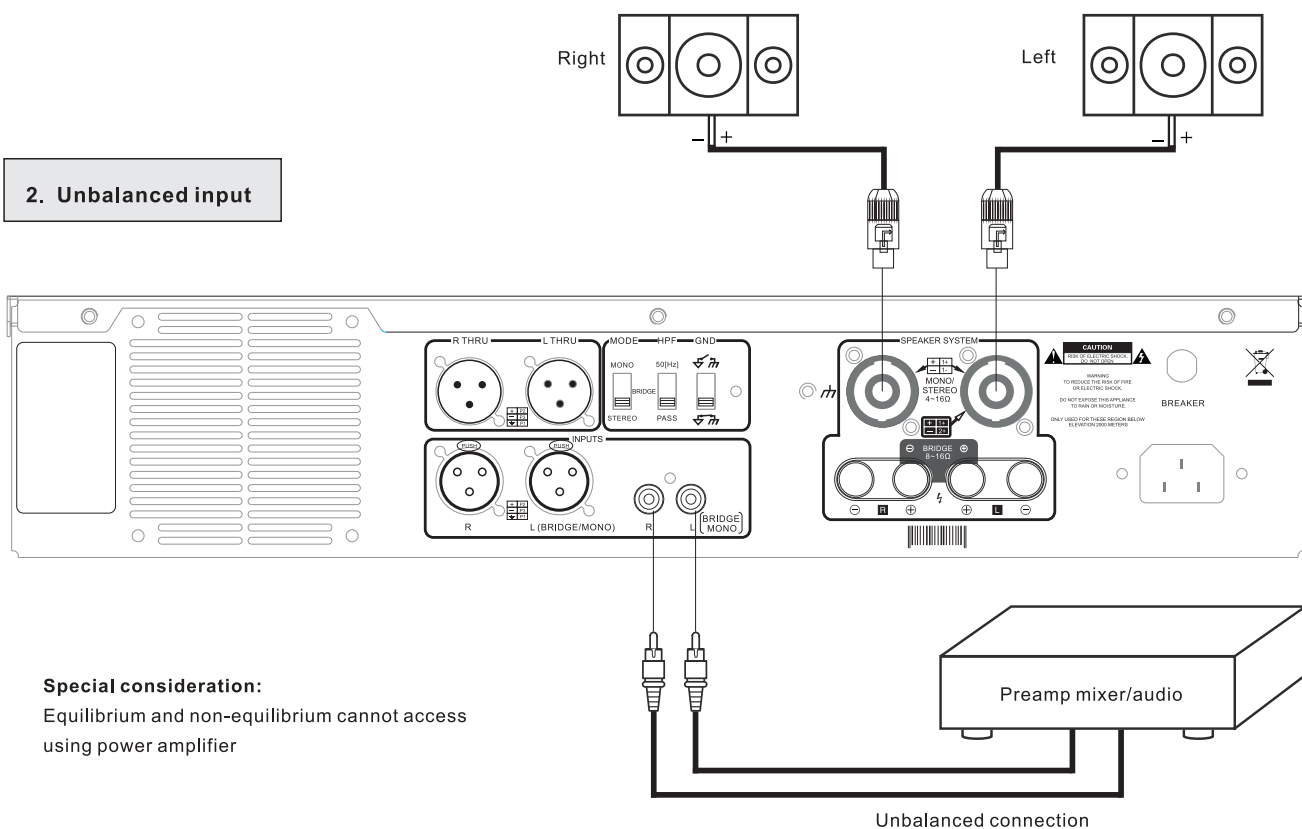
SYSTEM CONNECTION

Other connection mode

1. Balanced input



2. Unbalanced input

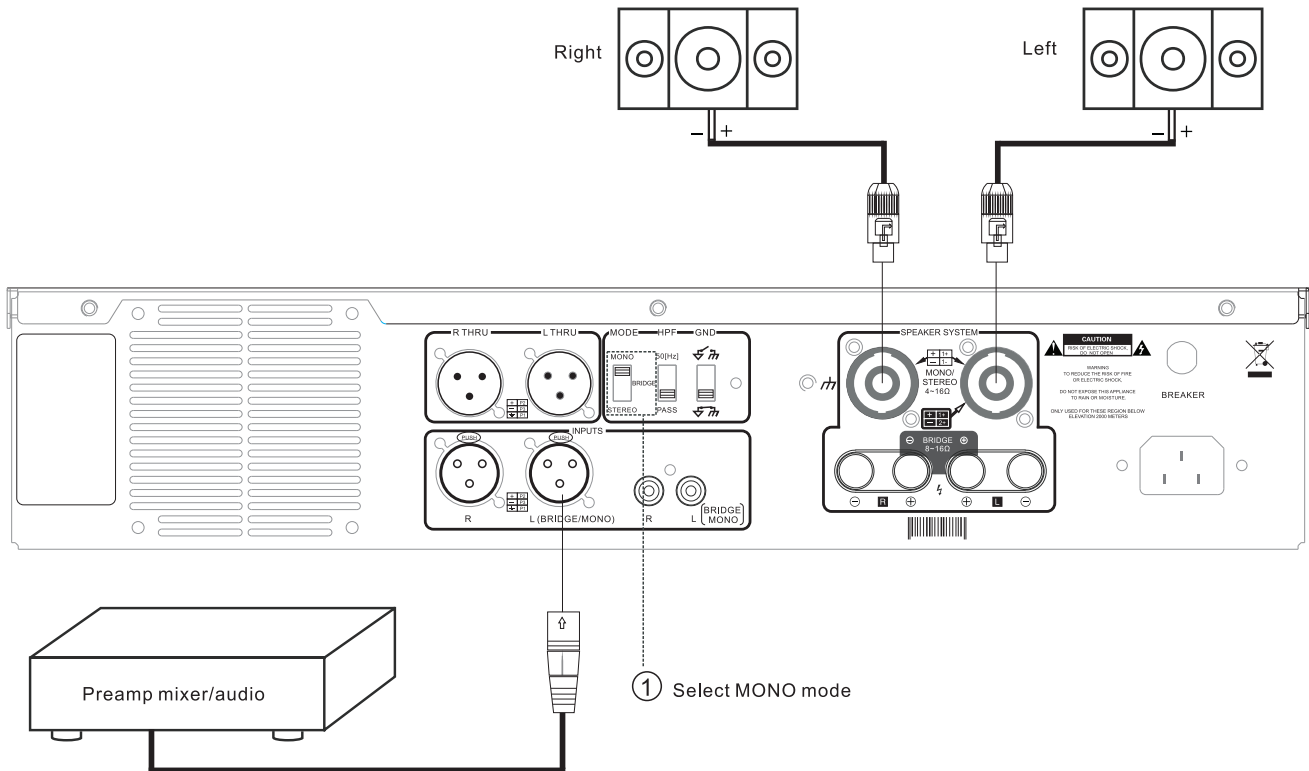


Special consideration:

Equilibrium and non-equilibrium cannot access using power amplifier

SYSTEM CONNECTION

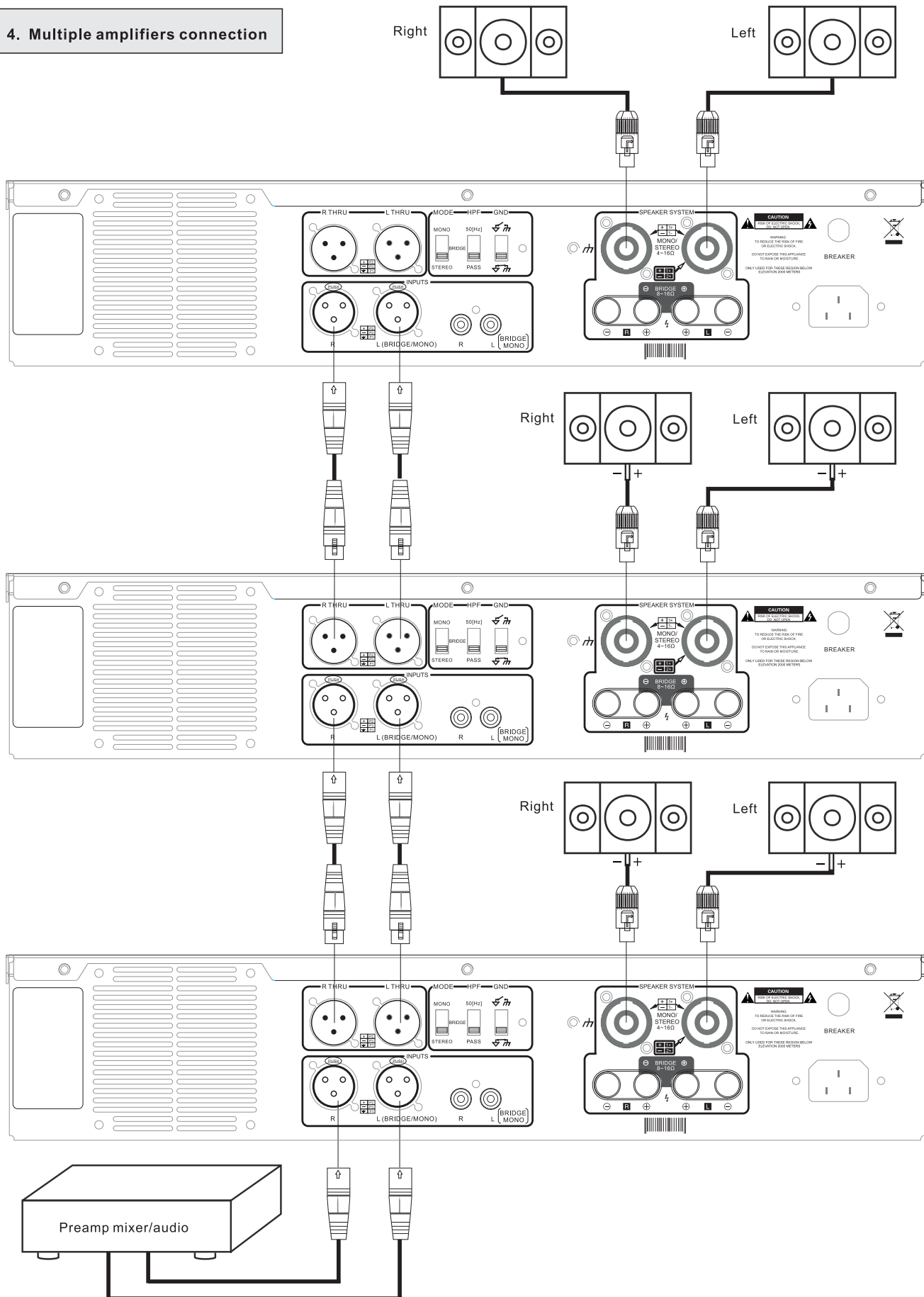
3. Mono input



When power amplifier of the back panel channel signal mode switch in the MONO files (such as in the picture above), the power amplifier in MONO mode, using XLR signal lines or RCA (lotus) signal lines, connect the MONO audio power amplifier of L channel input interface. Using NL4 SPEAKON connection respectively connect power amplifier L channel and R to the two speakers (just as pictured above).

SYSTEM CONNECTION

4. Multiple amplifiers connection



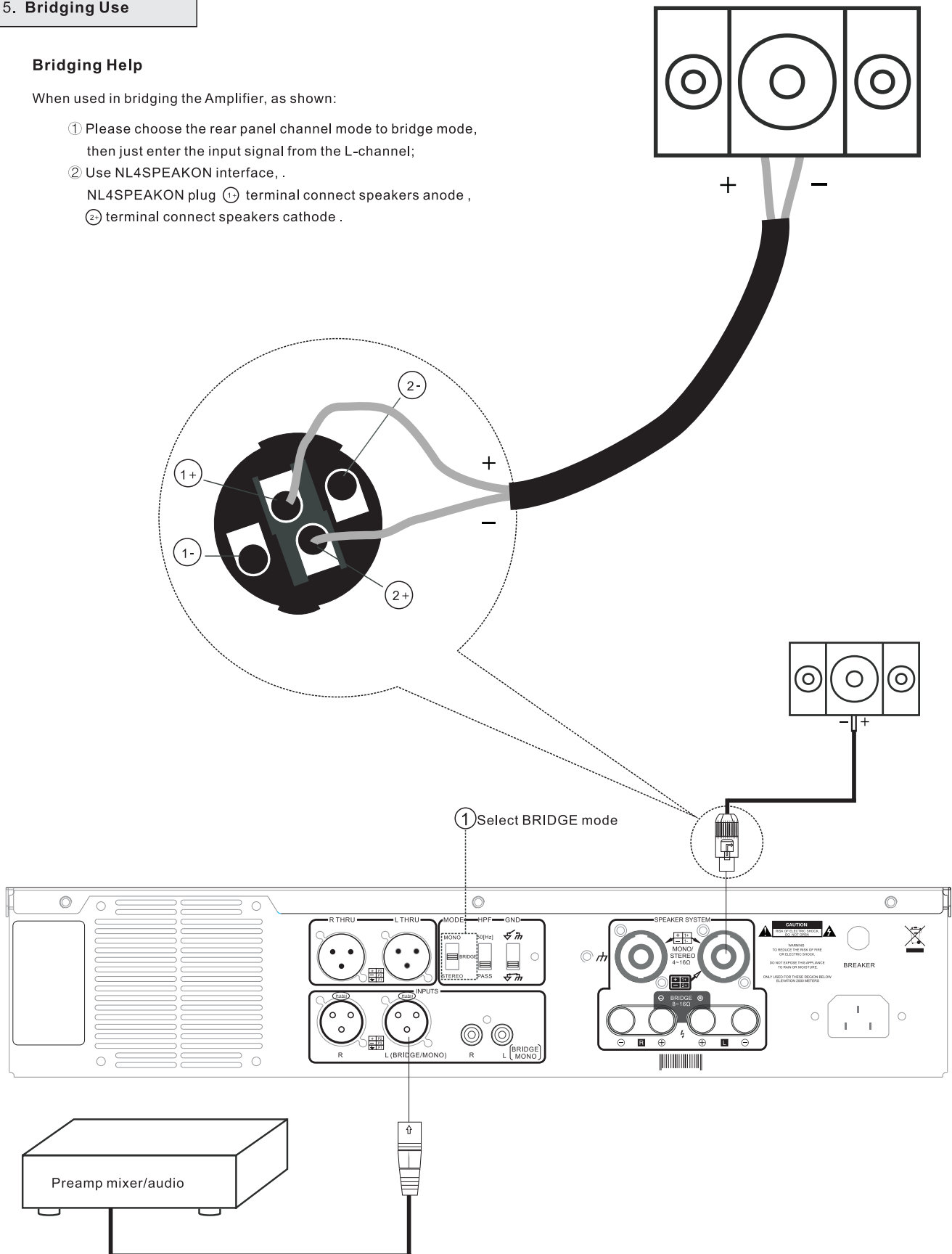
SYSTEM CONNECTION

5. Bridging Use

Bridging Help

When used in bridging the Amplifier, as shown:

- ① Please choose the rear panel channel mode to bridge mode, then just enter the input signal from the L-channel;
- ② Use NL4SPEAKON interface, .
NL4SPEAKON plug ① terminal connect speakers anode ,
② terminal connect speakers cathode .



SYSTEM CONNECTION CONSIDERATIONS

1. XLR interface connections

XLR male plug can be inserted into the XLR female interface of device directly. When unplugged, you need to press the PUSH switch of XLR female connectors and you can unplug the XLR male plug; XLR female plug can be inserted into the XLR male interface of device directly. The plug switch will automatically lock; When unplugged, you need to press the female plug switch and you can unplug the XLR female plug.

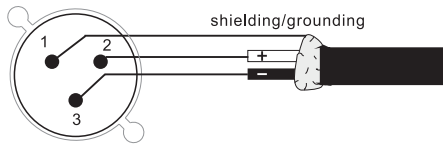
XLR terminal connection method

Balance connection : Terminal-1 blocked or grounded, Terminal-2 connect the anode, Terminal-3 connect the cathode

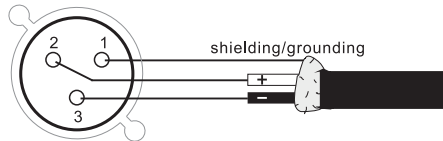
Unbalance connection: Terminal-1&3 blocked or grounded, terminal-2 connect the anode(like the following picture).

① Balance the connection

Cannon male

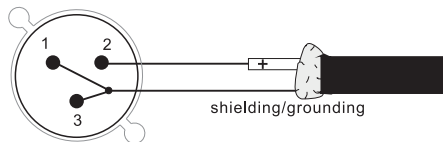


Cannon female

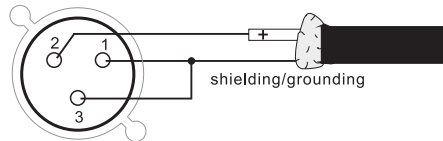


② Unbalance the connection

Cannon male



Cannon female

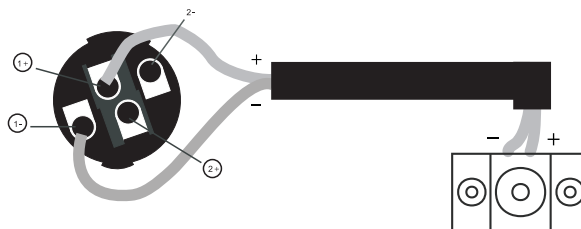


2. NL4 SPEAKON interface connection

The NL4 SPEAKON plug socket after insert clockwise in position, NL4 SPEAKON plug switch will automatically lock;

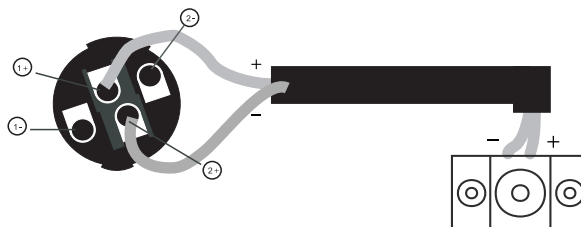
When you push down the NL4 SPEAKON plug switch, NL4 SPEAKON plug can be pulled out after counterclockwise rotation.

① in MONO mode or STEREO mode



picture-1

② in BRIDGE mode



picture-2

When the amplifier is in MONO mode or STEREO mode, SPEAKON connection method for (+) terminal of plug connect speakers anode, (-) terminals connect speaker cathode (as picture-1 showing); When the amplifier in BRIDGE mode, SPEAKON connection method for the (+) terminal of plug connect speakers the anode, (-) terminal connect speakers cathode(as picture-2 showing). (see the BRIDGE method)

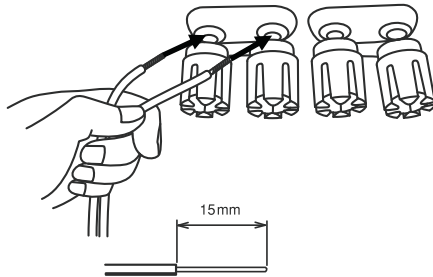
SYSTEM CONNECTION CONSIDERATIONS

3. The use of the parallel interface and terminal connection

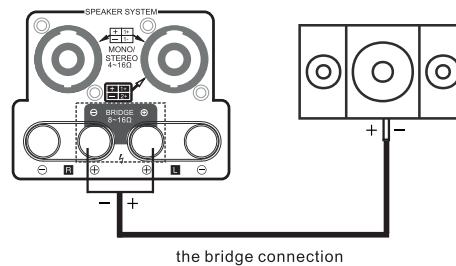
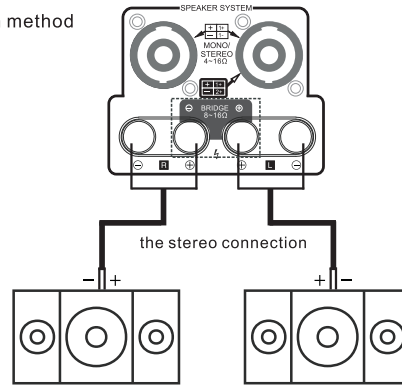
The terminal is parallel to the NI4 SPEAKON interface. When use terminal connection, you can choose one kind to proceed connection between the equipment and speaker or speakers.

As shown in figure, unscrewed the terminal, insert one end of the stripped speaker wire into the wire hole, then tighten the terminal.

When use terminal connections, birdge connection and stereo connection method were shown as the picture on the right.



Before connection,
first stripped wire ends with pliers sheath length 15mm.

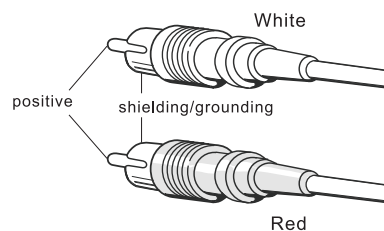
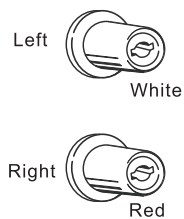


4. RCA plugs (lotus) connection

As shown in figure, when connect RCA plug type lead, please match the color -- Red wire connects to the red jack and white wire connects to the white. (Generally white for L channel, red for R channel)

The connecting method is a unbalanced connection. The method is:

The inside terminal connects to positive, the outside terminal connects to shield or grounding.



5. The correct switching devices

After the system is properly connected, please switch machine in normal order when using. Namely along the signal previous to back stage one by one to open the device level, against the direction of the signal from the rear stage one by one to turn off the device.

TROUBLESHOOTING

Fault	Possible Causes	Workaround
No power supply to the unit	• Cord plug from the power outlet off	• Firmly plug the cord into an electrical outlet
Power is turned on but no sound	• Volume knob may be set at the minimum	• Adjusted to the appropriate volume
	• Speaker wires off	• Connect the speaker wires correctly
	• Speaker wire breakage	• Repair wire breakage
	• speaker wires is shorted	• Repair short circuit
	• Should be connected equipment off	• Devices are properly connected
	• Mode has been selected BRIDGE	• Re-select the stereo mode
	• Channel is muted	• Press the MUTE button again to cancel mute
	• Over current protection times cause the machine to lock up	• Power off, reboot
	• No signal input	• Check and connect the audio equipment
Abnormal sound speaker or speakers	• Left and right channels reversed	• Left and right channels properly connected
No sound from microphone (However, you can play music output)	• Microphone switch in the OFF position	• put switch to the ON position
	• Microphone wire breakage	• Repair or replace
	• Microphone plug off	• Microphone plug is properly connected
Only one speaker with sound	• A channel volume is too small	• Increase the volume of the corresponding channel
Volume can not be increased	• Channel maximum volume has been set	• Cancel maximum volume setting
Key failure	• The buttons are locked	• Button unlock

SALES SERVICE

- (1) this device as it is found to have defects, your local dealers will charge a fee for you to repair and replace defective parts according to your request.
- (2) When you ask your local dealer for repairs before, first check the "Troubleshooting" chapter, and further examination.

Dealers Things to know:

If your customer put forward service requests , first check the following:

- determine the details of the fault
- check all wires and connection
- connected with the equipment of a lens or CD is clean
- will remind customers operating system considerations and use regulations

USER STYLE

- Although Kara OK builds character on the assumption that the correct use of time and place, otherwise, may sometimes disturb others. Please imagine for your neighbors.

- If you drunkenly singing, karaoke OK the volume may be too high.
Even small voice will become harsh, especially in the silence of the night.
Therefore, please pay special attention to volume levels, especially at night.
To prevent sound leakage, you better please close the window,
note that the user grace, in order to maintain a comfortable living environment.



INTELLECTUAL PROPERTY RIGHTS

- According to intellectual property law, broadcasting, music source, such as music cassettes, videotapes, CD, etc., are to be protected.
- In addition to their own enjoyment, but for commercial purposes, distribute or lease the music source, or sell to others, are required to obtain consent of the owner of intellectual property.

PRODUCT SAFETY

- The device is in accordance with the relevant product safety regulations, with a harmless material.

For China

Hazardous substances contained in the product description

The information describes in respect of the company's products contained in the specific hazardous substances and their safety.
This information applies to March 1, 2007 after the products manufactured by the Company.

Environmental and practical terms



This flag applies to domestic sales in China's electronic information products, which means that environmental protection use period of years. The so-called environmentally friendly and practical terms is defined from the date of manufacture of the prescribed period, the product will not contain harmful substances cause environmental pollution, not to persons, property caused serious adverse effects. Environment-friendly products and practical terms only follow instructions, the proper use of the product under conditions to be effective. Improper useful, will result in the risk of leakage of harmful substances.

Name and content of product of toxic and hazardous substances or elements

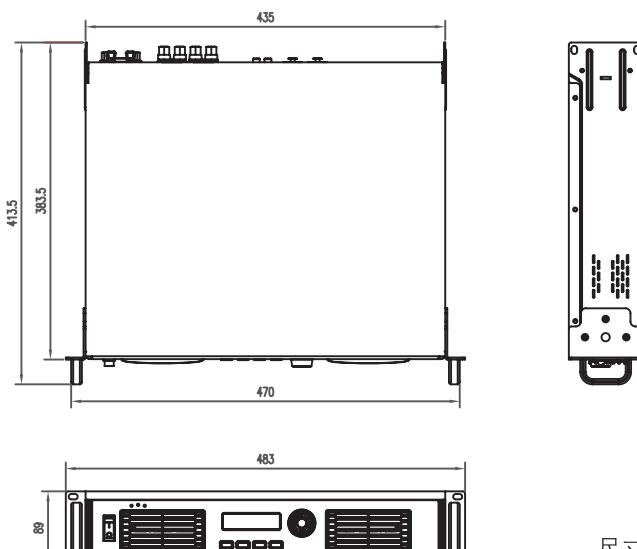
Names of Parts	toxic and hazardous substances or elements					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
Shell	×	○	○	○	○	○
Electronic components(printed circuit boards)	×	○	×	○	○	○
Accessories(power cord, AC adapter)	×	○	○	○	○	○

○: Indicates that the hazardous substance in all homogeneous materials of the part of the content follow SJ/T11363-2006 standard limit requirement.

×: Indicates that the hazardous substance in at least one of the homogeneous materials of the part of the content beyond SJ, T11363-2006 standard limit requirement. Because according to the existing technical level, there is little substance to replace it.

TECHNICAL PARAMETERS

DAP-8000/DAP-5000 Professional power amplifier parameters table

Parameter items	Standard conditions	DAP-8000	DAP-5000
Stereo mode	8 Ω 1kHz THD \leq 1%	\geq 800W	\geq 520W
Mono mode	8 Ω 1kHz THD \leq 1%	\geq 950W	\geq 640W
Bridge Mode	8 Ω 1kHz THD \leq 1%	\geq 2000W	\geq 1500W
Frequency Response	20Hz–20kHz	\pm 3dB	\pm 3dB
Total Harmonic Distortion	@8 Ω , 1kHz	0.04%	0.03%
Signal to Noise Ratio	A-weighted	\geq 98dB	\geq 98dB
Damping coefficient	@ 100Hz, 8 Ω	\geq 300	\geq 300
Voltage gain	@ 8 Ω , 1kHz	41 \pm 2dB	38 \pm 2dB
Channel separation	20–1000Hz @8 Ω	\geq 48dB	\geq 48dB
Input Impedance	@ 1kHz balance	20k Ω	20k Ω
Output Impedance	STEREO/MONO	4 ~ 16 Ω	4 ~ 16 Ω
	BRIDGE	8 ~ 16 Ω	8 ~ 16 Ω
Power consumption	AC power specifications	220V ~ 240V 50/60Hz	
	Consumed power	2800W	1800W
Structure diagram	 <p>尺寸单位:mm</p>		
Product dimensions	W * D * H	483mmx414mmx89mm	
Packaging dimensions	W * D * H	600mmx510mmx140mm	
Net weight		19kg	15kg
Gross Weight		22kg	18kg
Accessories	Hexagon wrench,screw,instructions		



BMB International Corp.
<http://www.bmb.com>