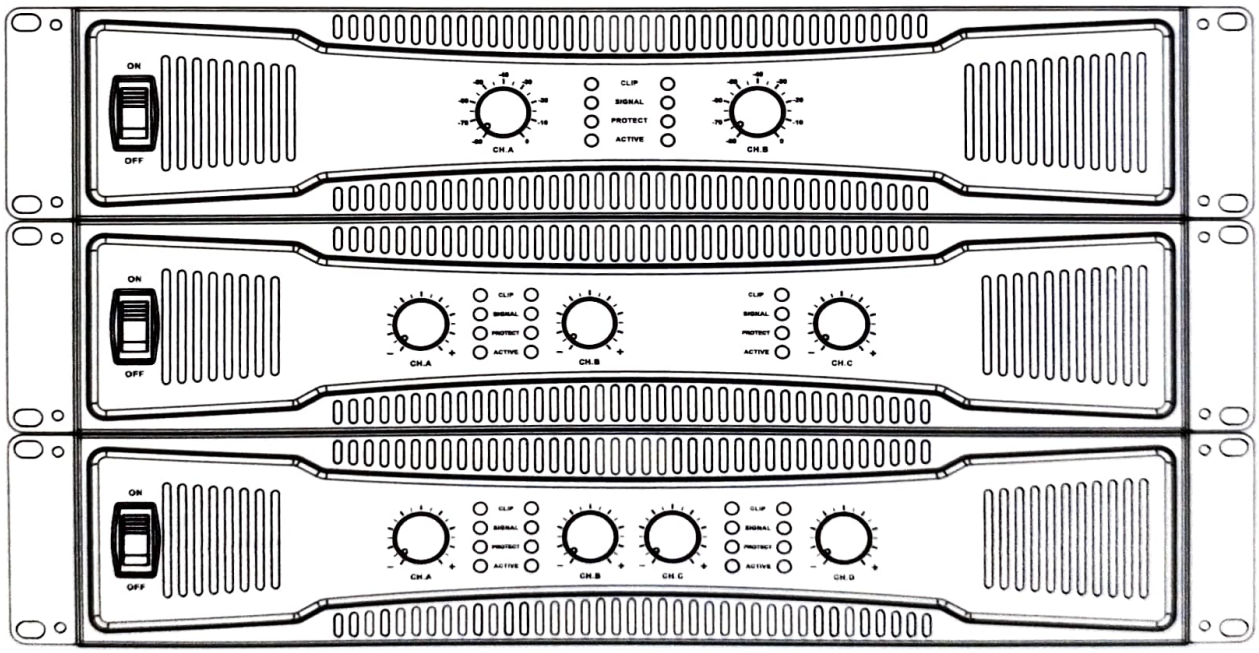
Professional Amplifier
OWNER MANUAL



PROFESSIONAL AUDIO WORKS

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

TO PREVENT ELE CTRICSHOCK DO NOT REMOVE TOP OR BOTTOM COVERS. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL. DISCONNECTPOWER CORD BEFORE REMOVING REAR INPUT MODULE TO ACCESS GAIN SWITCH.

AVIS
RISQUE DE CHOC ELECTRIQUE N'OUVREZ PAS

A PREVENIR LE CHOC ELECTRIQUE N'ENLEVEZ PAS LES COUVERTURES. RIEN DES PARTIES UTILES A L'INTERIEUR. DEBRANCHER LA BORNE AVANT D'OUVRIR LA MODULE EN ARRIERE

WARNING

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE!

Magnetic Field

CAUTION! Do not locate sensitive high-gain equlpment such as preamplifiers or tape decks 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 recommen locating the amplifier(s) in the bottom of the rack and the preamplfier or other sensitive equipment at the top.

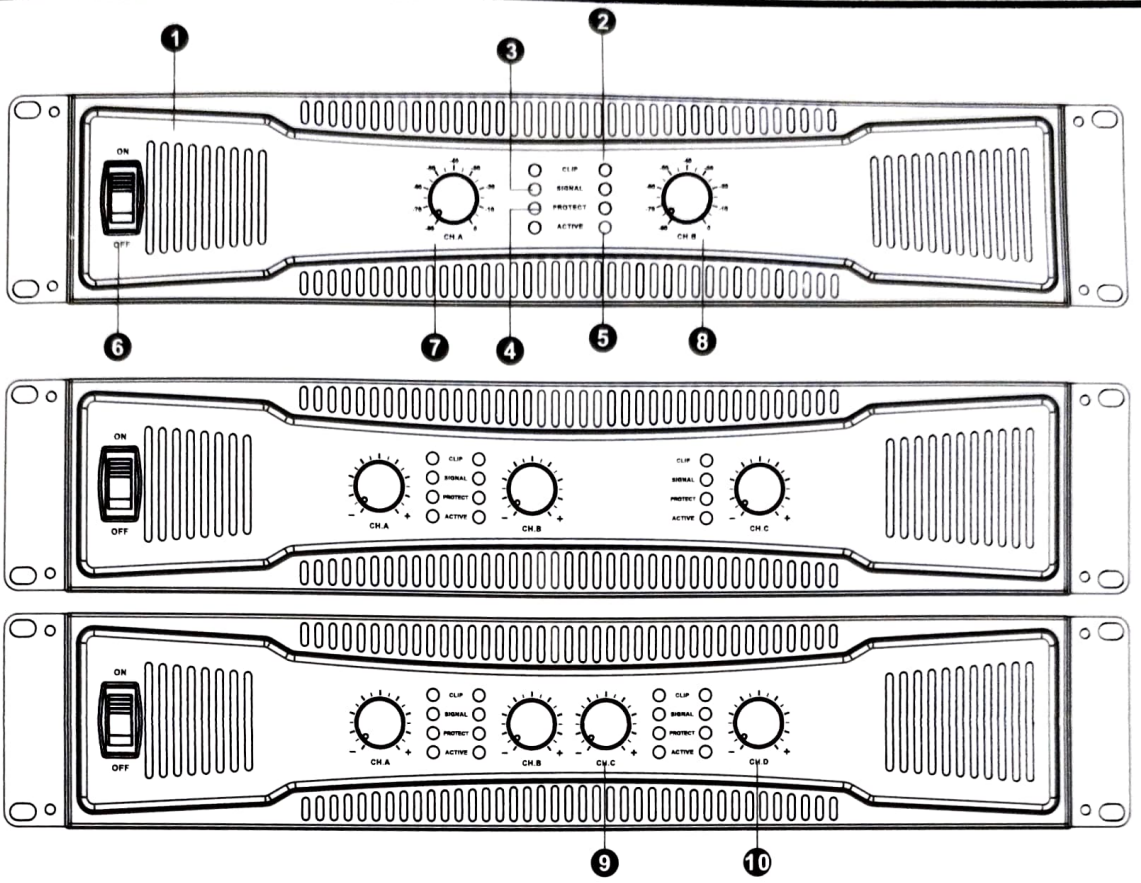
WATCH FOR THESE SYMBOLS:

The lightning bolt triangle is used to alert the user to the riks of electric shock

The exclamation point triangle is used to alert the user to important operating or maintenance instructions.

Printed on recycled paper

Professional Power Amplifier



1. The air outlet
This part is the air outlet, please don't block it

2. Clipping tips
Used to indicate the borne power amplifier output amplitude clipping. / the speaker needs more than borne power amplifier output limit clipping are produced when/if light
shine in a row, very Can be input signal is too strong/input and lower gain.
Please note that borne power amplifier is not can improve the distortion

3. Signal
When this indicator is only display borne power amplifier is in safe operating condition

4. Protection indicator light
When the indicator, meaning that is borne power amplifier in protected mode, cut off the device will find problems. This type of borne power amplifier is overheating, overload, short circuit, dc and soft switch

5. The Power Indicator Light
Said when the light power amplifier has been switched on after

6. The Power Switch
Use this switch to connect borne power amplifier's power

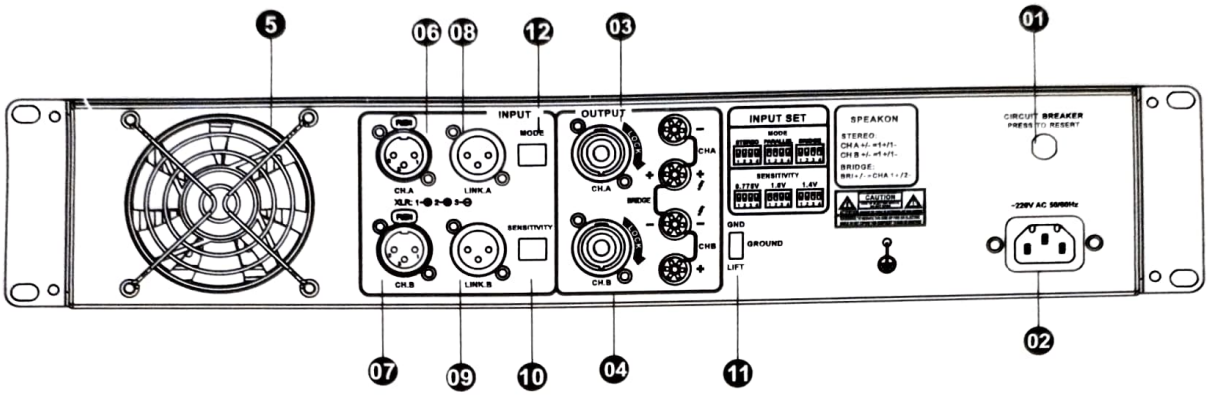
7. channel A volume control
In stereo mode, the a input volume potentiometer allows channels. In bridge mode (left), the potentiometer allows to adjust the volume of the two channels at the same time

8. Channel B Volume Control
In stereo mode, the a input volume potentiometer allows channels.

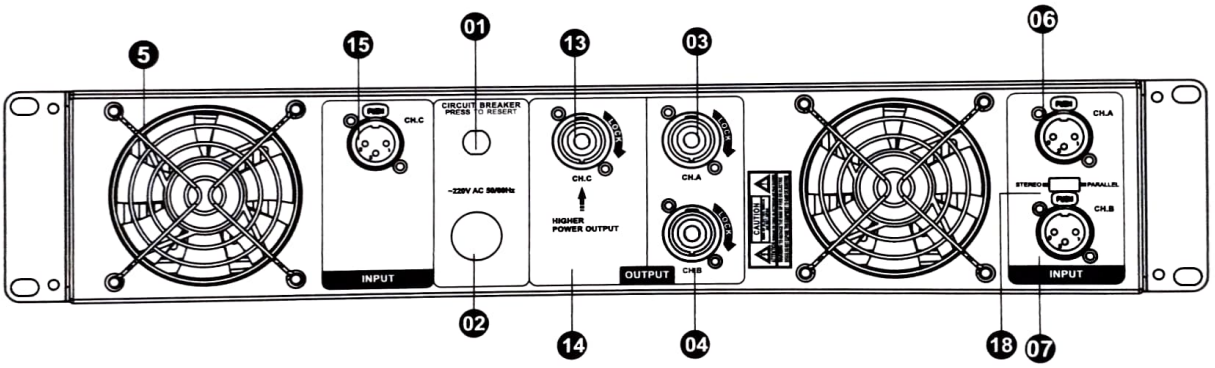
9. Channel C Volume Control
In stereo mode, the a input volume potentiometer allows channels.

10. Channel D Volume Control
In stereo mode, the a input volume potentiometer allows channels.

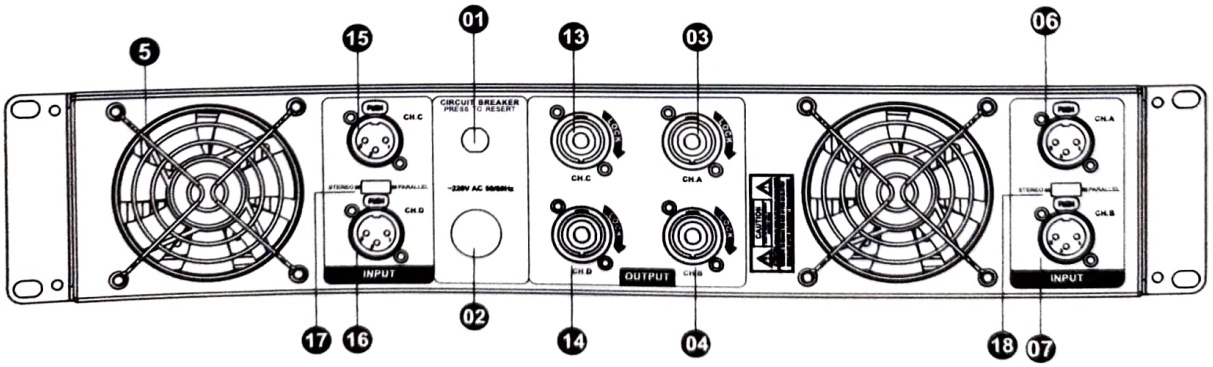
TWO CHANNEL



THREE CHANNEL



FOUR CHANNEL



01. The fuse
The fuse is used to protect the unit.In order to avoid the abnormal voltage the damage to the native city.When changing must use the fuseof the same specifications

02. The ac power cord
The power line connected to a power outlet

03. Channel A rotating output
Will this rotation output from speaker, the connection is +1-1

04. Channel B rotating output
Will this rotation output from speaker, the connection is +1-1

05. Air outlet
Please don't block the net

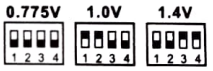
06. XLR Input channel A
This is a balanced input XLR input Then an input to your mixer left sound channel output

07. XLR Input channel B
This is a balanced input XLR input Then an input to your mixer left sound channel output

08. Channel A connection socket
The balance of socket is used to connect to other borne power amplifier

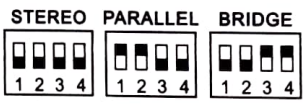
09. Channel B connection socket
The balance of socket is used to connect to other borne power amplifier

10. Input sensitivity selector
This option allows you to select input Sensitivity v1.0 is 0.775 v or 0.775 v



11. 24 Earthing selection
When you have a murmur of speakers, please select in the on position

12. Operating mode selector
This switch is used to connect borne power amplifier
mode of operation: Stereo mode : input or channel
and output 2 will be used



13. Channel C rotating output
Will this rotation output from speaker, the connection is +1-1

14. Channel D rotating output
Will this rotation output from speaker, the connection is +1-1

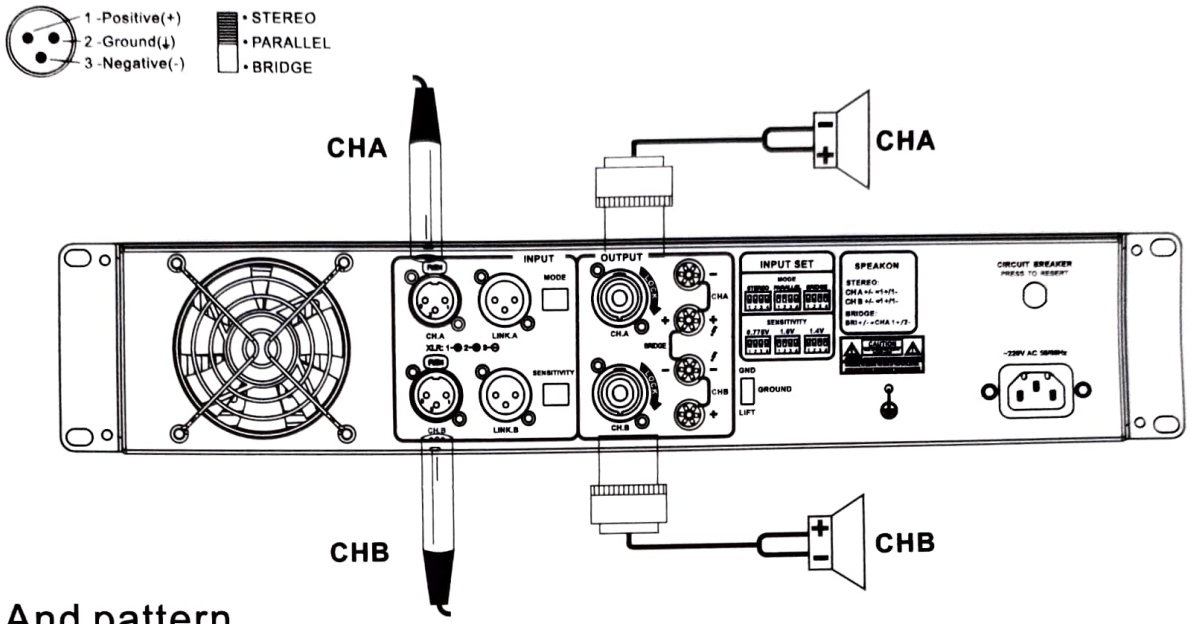
15. XLR Input channel C
This is a balanced input XLR input Then an input to your mixer left sound channel output

16. XLR Input channel D
This is a balanced input XLR input Then an input to your mixer left sound channel output

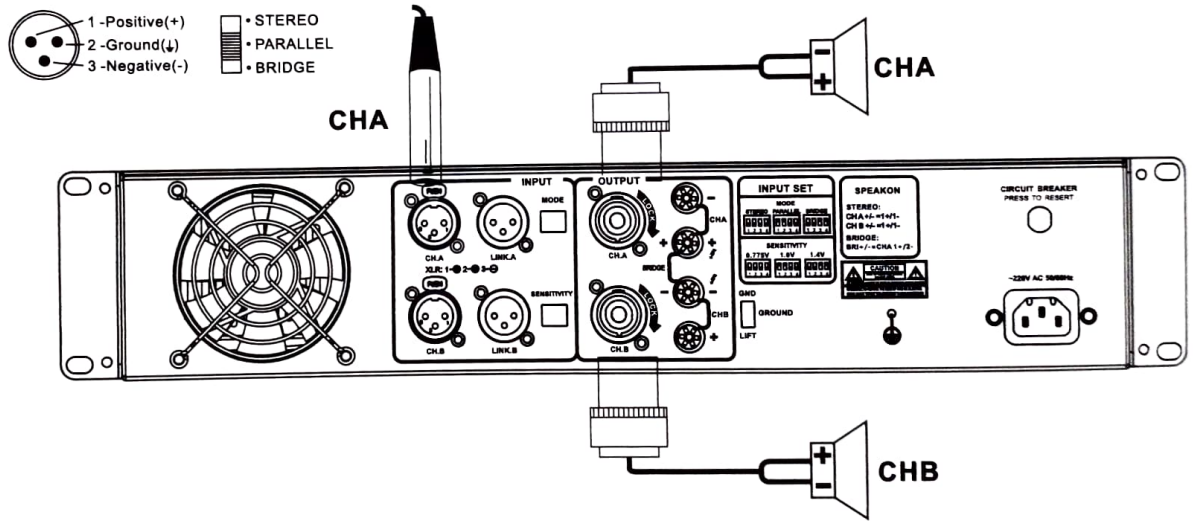
17. Operating mode selector
This switch is used to connect borne power amplifier
mode of operation: Stereo mode input or parallel input

18. Operating mode selector
This switch is used to connect borne power amplifier
mode of operation: Stereo mode input or parallel input

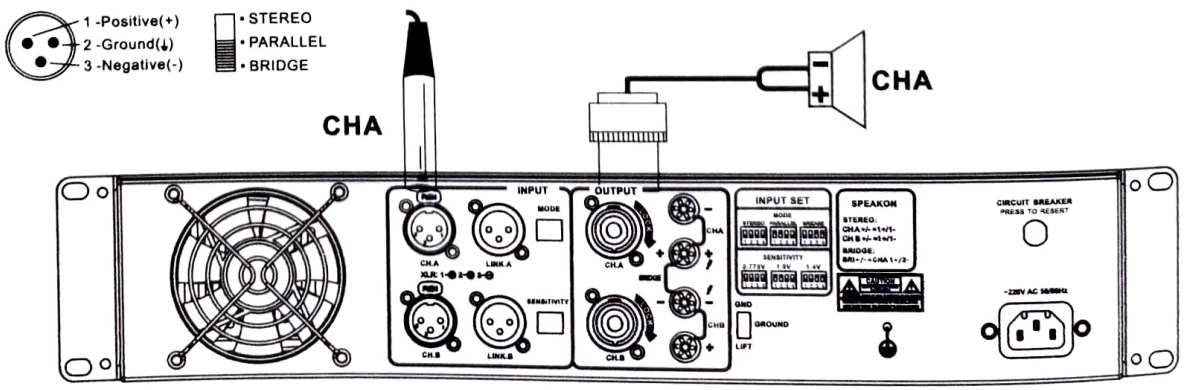
Stereo Mode



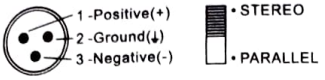
And pattern

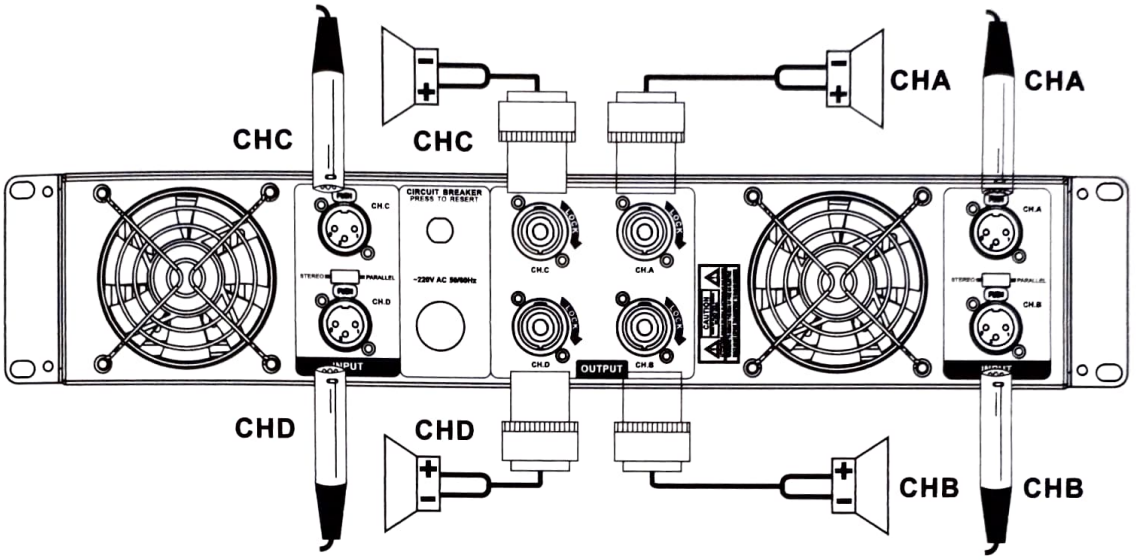


Design Pattern - Bridge

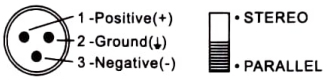


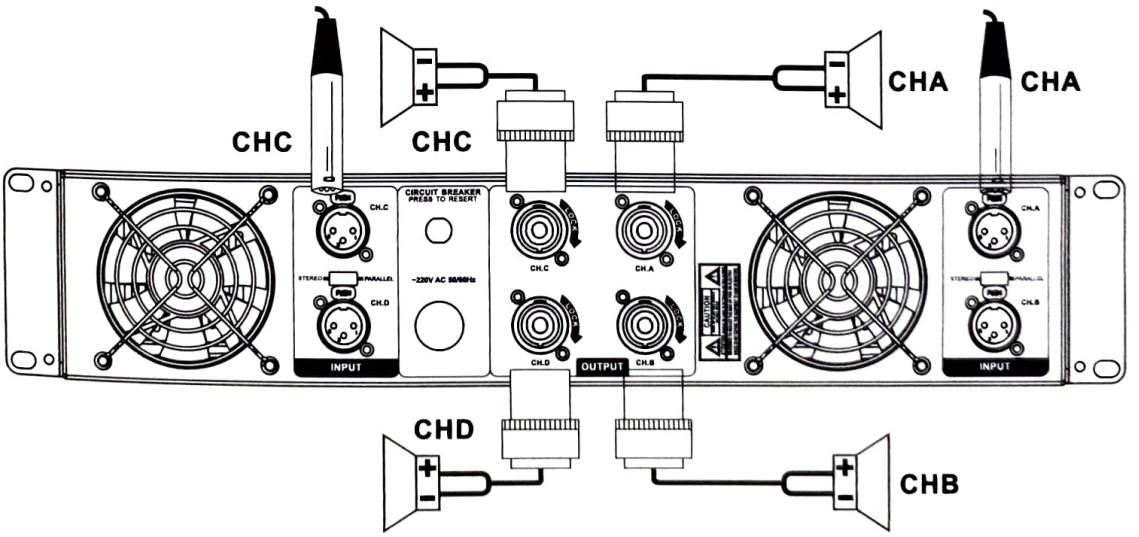
Stereo Mode



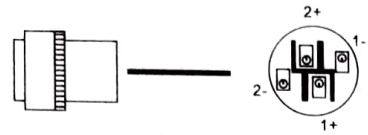


And pattern

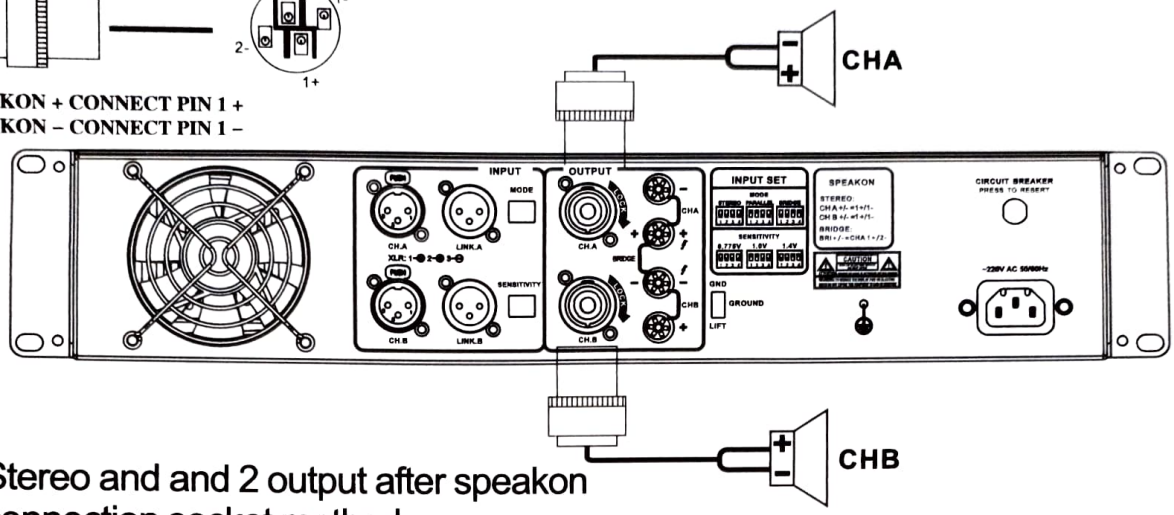




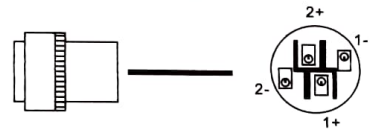
Output speakon socket can also be used to connect
Stereo and and 1 output after speakon connection socket method



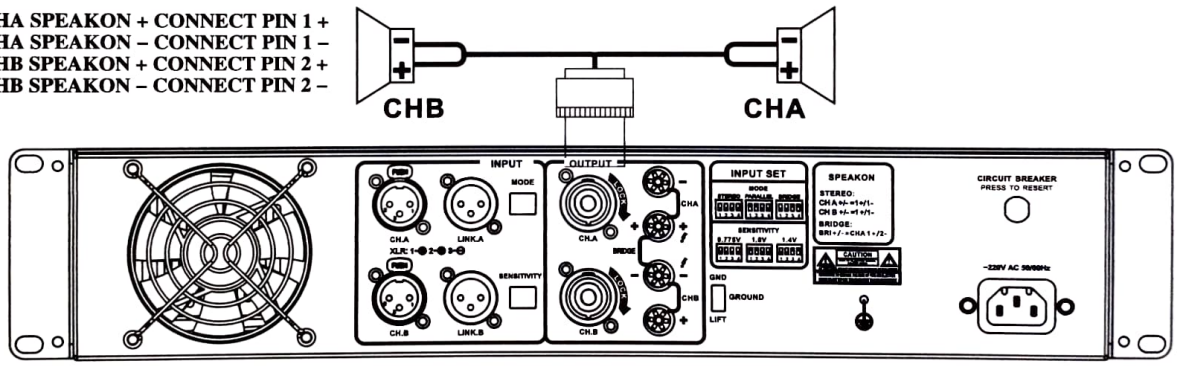
SPEAKON + CONNECT PIN 1 +
SPEAKON – CONNECT PIN 1 –



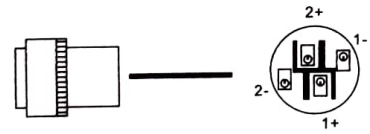
Stereo and and 2 output after speakon connection socket method



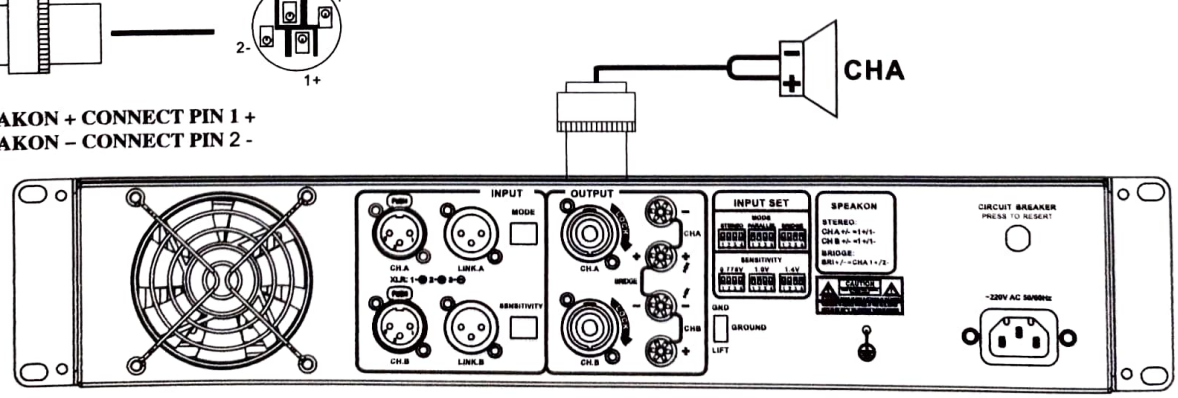
CHA SPEAKON + CONNECT PIN 1 +
CHA SPEAKON – CONNECT PIN 1 –
CHB SPEAKON + CONNECT PIN 2 +
CHB SPEAKON – CONNECT PIN 2 –



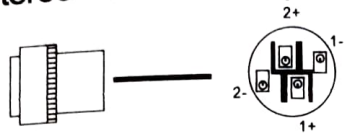
The bridge output speakon socket connection method



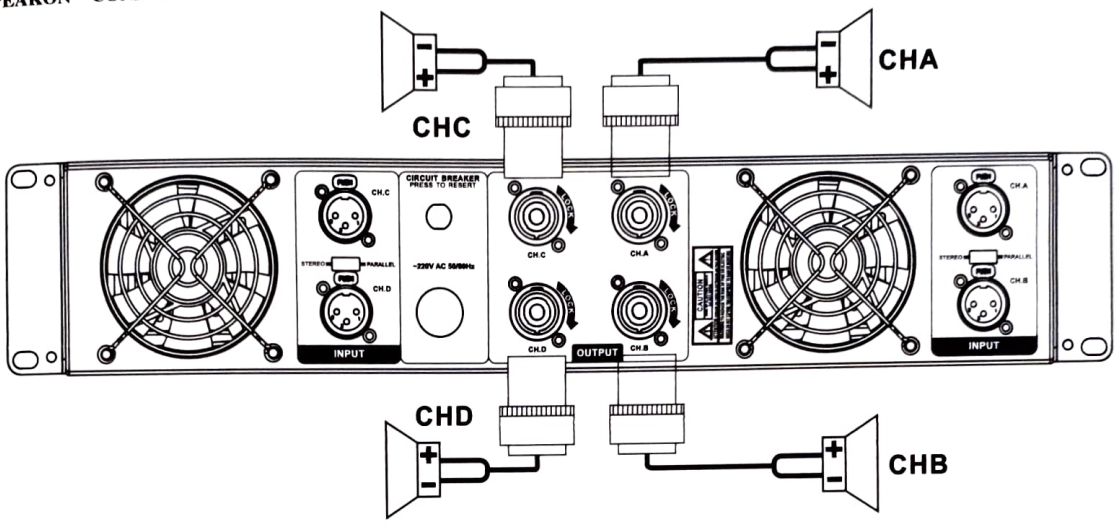
SPEAKON + CONNECT PIN 1 +
SPEAKON – CONNECT PIN 2 -



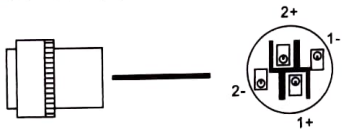
Output speakon socket can also be used to connect Stereo and and 1 output after speakon connection socket method



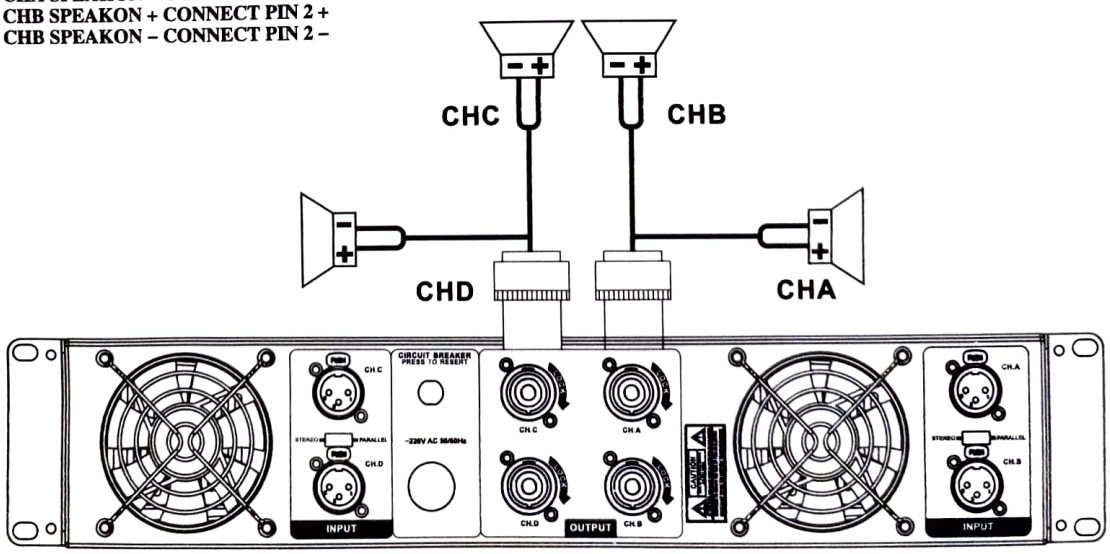
SPEAKON + CONNECT PIN 1 +
SPEAKON – CONNECT PIN 1 –



Stereo and and 2 output after speakon connection socket method



CHA SPEAKON + CONNECT PIN 1 +
CHA SPEAKON – CONNECT PIN 1 –
CHB SPEAKON + CONNECT PIN 2 +
CHB SPEAKON – CONNECT PIN 2 –



PERFORMANCE

MODEL	TWO CHANNLE			THREE CHANNEL	FOUR CHANNEL	
8ΩStereo Output Power	500W×2	700W×2	900W×2	800W×2+1300W	600W×4	800W×4
4ΩStereo Output Power	1000W×2	1400W×2	1800W×2	1600W×2+2600	1200W×4	1600W×4
8ΩBridge Output Power	1000W	1400W	1800W	/	/	/
Slew Rate	>28V/us					
Damping Factor	>300					
Signal to Noise Ratio	≥95dB					
Cross Talk	>80dB					
Output Circuitry	Class D					
Input Sensitivity(8Ω)	0.775V,1V,1.4V					
Frequency Response	20Hz-20KHz,+0,-1dB at watt					
THD+N(20Hz-20KHz)	<0.1%20Hz-20KHz					
Input Impedance	20KΩ baiance/10KΩunbalance					
Cooling	DC FAN					
Connectors	Input:XLR, Output:Speakon, connector					
Amplifier Protection	short circuit,thermal,over load,clip limiter,DC voltage,soft start ultrasonic and RF protection					

Performance specifications change without prior notice

Professional Amplifier

OWNERS MANUL