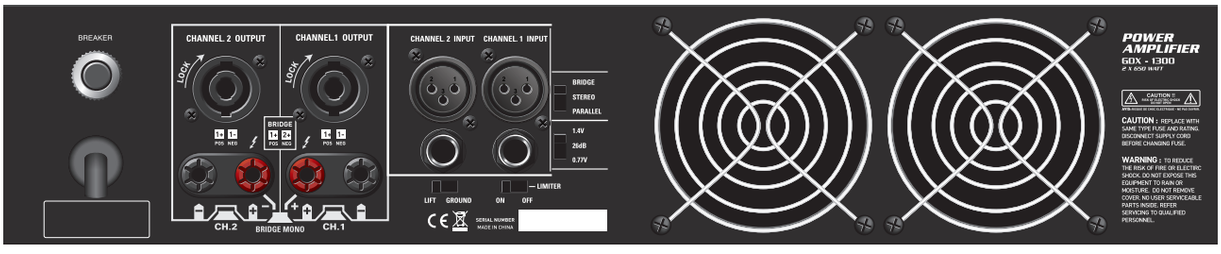
USER MANUAL

GDX series

POWER AMPLIFIER



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IMPORTANT Safety instructions

CAUTION To reduce the risk of electric shock, do not remove any cover(or the rear section). No user serviceable parts inside. Refer servicing to qualified service personnel only.

WARNING To reduce of fire or electric shock, do not expose this appliance to rain and moisture. Electrical equipments should NEVER be kept or stored in damp environments.

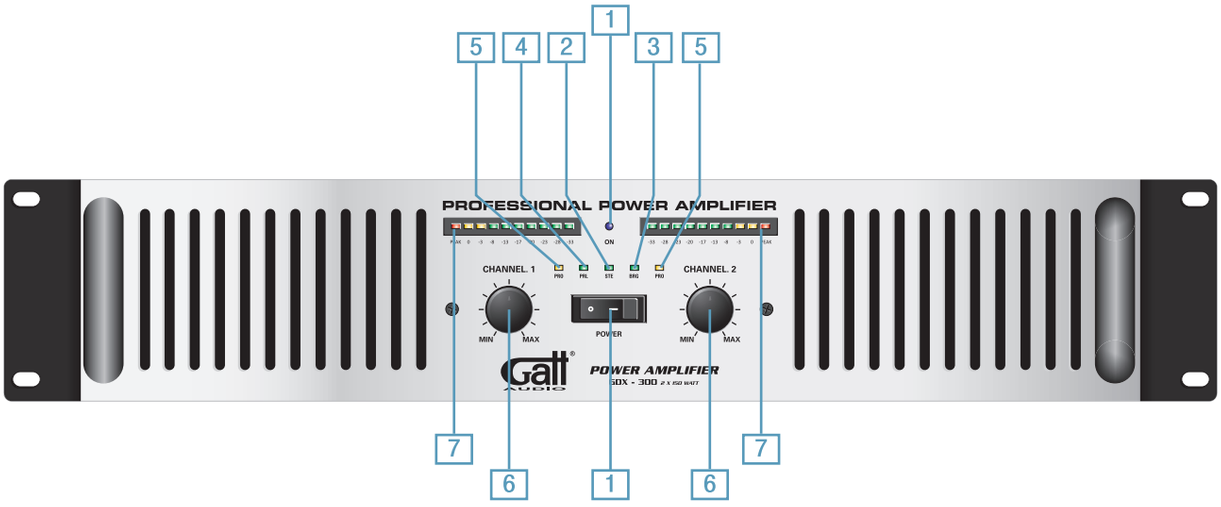
This symbol, wherever appears, is intended to alert the user to the presence of un-insulated dangerous voltage within the appliance's enclosure that may be of sufficient magnitude to a risk of electric shock.

This sym bol, wherever appears, is intended to alert the user to the presence of important operating and maintenance (servicing) instruction in the literature accompanying this appliance.

Safety Instructions

1. Read Instructions à All the safety and operating instructions should be read before this products is connected and used.
2. Retain Instructions à The safety and operating instructions should be kept for future reference.
3. Heed Waning à All warnings on this appliance and in these operating instructions should be followed.
4. Follow Instruction à All operating and other instructions should be followed.
5. Heat, Water and Moisture à Do not place this appliance to close to any high heat sources such as radiators. Also this appliance should be kept away from direct contact with liquids.
6. Ventilation à The appliance should be situated so that it's location or position does not interfere with it's proper ventilation. For example, the appliance should not be situated on a sofa, bed, or similar surface that may block the ventilation opening; or keep the appliance away of those objects such as newspapers, carpet which may cover the ventilation opening or impede the flow of air through the ventilation opening.
7. Power Source & Power Cordà This appliance should be connected to a power supply only of the type described in these operating instructions, or marked on the unit. Power supply cord should be routed so that the are not likely to be walked upon or pinched by the items placed on or against them. When removing the cord from a power outlet be sure to remove it by holding the plug attachment and not by pulling on the cord. Check the total maximum power of your AC wall outlet and make sure it has the enough power to match the Power Consumption of this appliance, otherwise you could overload the wall outlet, which could cause fire.
8. Internal / External Voltage Selectorsà Internal of external voltage selector switches, if any, should only be reset and re-equipped with a proper plug for alternative voltage by a qualified service technician . Do not attempt to alter this yourself.
9. Object & Liquid Entry à Take care to avoid any objects falling into or liquids are not spilled in to the inside of the appliance.
10. Cleaningà Unplug the appliance first and clean only with a dry cloth.
11. Non-use Period à The power cord of the appliance should be unplugged from the outlet when left unused for long periods of time.
12. Unpacking & Setup à Please check your appliance for any damage after unpacking(before connecting) and contact your dealer in case of any related complains. Take care of choosing your installation place and the correct AC connection. If built in to a case, be aware that the depth and the weight of some kind appliance(such as Amplifier) does require an additional fixing on the backside or the use of rack shelf supports. Never mount the amplifier in a rack just by fixing it on the front plate – Manufacturer takes no responsibility in this case.
13. Damage Requiring Service à Servicing is required when the appliance has been damaged in any way, such as power cord or plug is damaged, liquid has been spilled or objects have fallen in the appliance, the appliance has been exposed to rain or moisture, does not operate normally, or has been dropped. Refer all servicing to qualified service personnel or contact your dealer. Do not attempt to repair by yourself.

FRONT PANEL



1. Power switch

When this switch is pushed down, the power on/off transient protection starts working. After 3 to 4 seconds, you can hear kniak once; the amplifier is soft started. After another 1-2 seconds, there will be another kniak the amplifier is ready to work.

2. CH1 input level control

Adjust it to get the volume desired. When you are far away from the amplifier, please adjust it according to the markings on the front panel indicating the amount of attenuation applied to the input signal. Use this control only when running the amplifier in Bridge and Bridge mode.

3. CH2 input level control

Adjust it to get the volume desired. When you are far away from the amplifier, please adjust it according to the markings on the front panel indicating the amount of attenuation applied to the input signal.

4.CH1/CH2 peak level indicating LEDs (red)

The LEDs will be on in the two situations:

A: When the output signal has reached its clipping level, the LED lights; possibly resulting in distortion. Should this occur, adjust the input level control so that the Peak LED turns off.

B: As the signal has been input, the Peak LED lights continuously, but the speaker has no voice, it is possibly that it is short circuited for loading. You should turn off the amplifier. Find out where the trouble is and renew operation.

5. Power on/off LED

Indicating the amplifier is on.

6. Bridge mode indicating LED (green)

This LED will be on when working under Bridge mode.

7. Mode selector

Select Stereo or Bridge mode .

8. Signal LED (green)

The green signal led indicates that a music signal is present at this channel input.

9. CH1/CH2 protection indicating LEDs (yellow)

The LEDs will be on in the following three conditions:

a) 3-5 seconds after turning on power, or after turning off power, the amplifier is under unstable status.

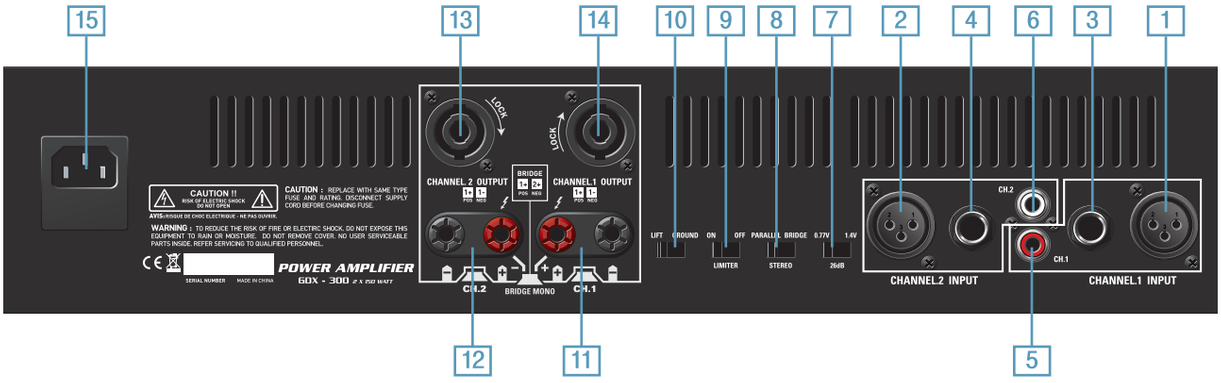
Indicating the power amplifier is still disconnected from speakers.

b) When the amplifier parts' temperature is over 85 .

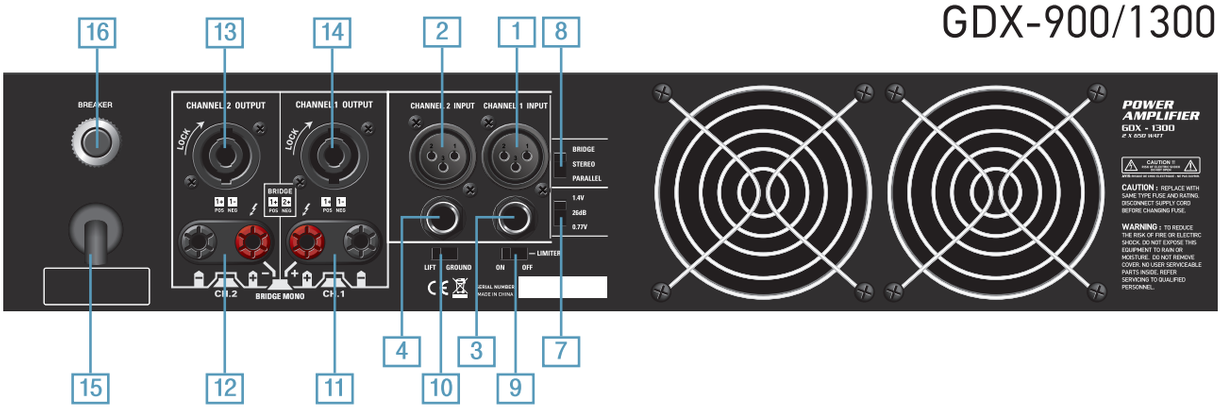
c) When something is wrong with the amplifier.

REAR PANEL

GDX-300/600



GDX-900/1300



1. CH1 XLR input connector

A standard XLR socket. Pin1: ground Pin2: positive Pin3: negative

2. CH2 XLR input connector

A standard XLR socket. Pin1: ground Pin2: positive Pin3: negative

3. CH1 1/4 JACK input connector

Used by 1/4 standard connector,. You can usunbalanced or balanced input jack.

(Tip: signal + Ring: signal - Sleeve: ground)

4. CH2 1/4 JACK input connector

Used by 1/4 standard connector,. You can use unbalanced or balanced input jack.

(Tip: signal + Ring: signal - Sleeve: ground)

5. CH1 RCA INPUT CONNECTOR

6. CH2 RCA INPUT CONNECTOR

7. SENS

Three-step switch to adjust amplifier sensitivity according to signalsourrce

8. SETEREO/PARALLEL/BRIDGE

Three-position operating switch(see OPERATING MODES chapter).

9. LIMITER

Switch for activating the limiter, which fixes at 5% the maximum distortion value,thus protecting loudspeakers and improving listening quality at high volumes.

10. Ground/Lift switch

Setting the amplifier to be grounded or lifted.

11. CH1 binding post output

Used by a standard binding connector. (red+,black-)

12. CH2 binding post output

Used by a standard binding connector. (Red+,black-)

13. CH2 Speakon output connector

Used by a standard Speakon connector. (1+ 2+, 1- 2-)

14. CH1 Speakon output connector

Used by a standard Speakon connector. (1+ 2+, 1- 2-)

15. Power supply

16.Resettable fuse

When the amplifier malfunctions, the fuse will automatically disconnect the circuit loop; after the trouble is removed, the fuse will automatically reset, and resume working.

OPERATING PROCEDURE

1: Operating procedure for STEREO mode

Turn off the amplifier;

Enlace the red CHA output post with the "+" connecting line of the left Speaker and enlace the black CHA output post with the "-" connecting line of the left Speaker;

Enlace the red CHB output post with the "+" connecting line of the right Speaker and enlace the black CHB output post with the "-" connecting line of the right Speaker;

Set the running mode switch to STEREO;

Turn on the amplifier

2: Operating procedure for BRIDGE mode.

Turn off the amplifier;

Enlace the red CHA output post with the "+" connecting line of the Speaker;

Enlace the red CHB output post with the "-" connecting line of the Speaker;

Set the running mode switch to BRIDGE;

Turn on the amplifier.

Note: Above connecting process are for qualified person only.

SPECIFICATIONS

		GDX-300	GDX-600	GDX-900	GDX-1300
Rated Power	4Ω Stereo	150W + 150W	300W + 300W	450W + 450W	650W + 650W
	8Ω Stereo	100W + 100W	200W + 200W	300W + 300W	450W + 450W
	8Ω Bridge	300W	600W	900W	1300W
Frequency response		20Hz ~ 20 KHz (-1.5dB)			
T.H.D		Less than 0.1%			
Input sensitivity		750mV	650mV	750mV	750mV
Input impedance		20KΩ Balanced , 10KΩ un-balanced			
S/N ratio		More than 85dB			
Crosstalk at rated output/8Ω		More than 70dB			
Damping factor/8Ω/1 KHz		More than 400			
Protection		Short Circuit, Current Limit, DC Fault			
Indicator		Power,Protect,Clip,Bridge			
Cooling system		1 x Two Speed Fan			
Mains power supply		AC 115/230V, 50/60Hz			
Dimension		482(W) x 299(D) x88(H) mm		482(W) x 342(D) x88(H) mm	
Weight		9.5 kg	12.5 kg	13.5 kg	15.5 kg

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