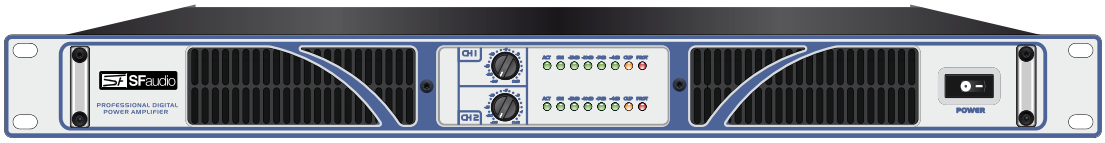
SFaudio

SFV-SERIES

User Manual

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Important Safety Precautions & Explanation of Symbols

1- Read these instructions.
2- Keep these instructions.
3- Heed all warnings.
4- Follow all instructions.
5- WARNING: To prevent fire or electric shock, do not expose this equipment to rain or moisture. Do not use this apparatus near water.
6- Clean only with a dry cloth.
7- Do not block any ventilation openings.
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 plug has two blades and a grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit your outlet, consult an electrician for the replacement of the obsolete outlet.
10- Protect the power cord from being walked on or pinched, particularly plugs, convenience receptacles, and the point where they exit from the apparatus.
11- Unplug the apparatus during lightning storms or when unused for long periods of time.
12- 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.

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

The lightning flashes printed next to the OUTPUT terminals of the amplifier are intended to alert the user to the risk of hazardous energy. Output connectors that could pose a risk are marked with the lightning flash. Do not touch output terminals while amplifier power is on. Make all connections with amplifier turned off.

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 product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING: To prevent fire or electric shock, do not expose this equipment to rain or moisture.

PREFACE

Thank you for your purchase of our professional audio equipment. Please read the manual carefully before you use the product, it will give you correct guidance, and it is useful for the equipm ent's normal work and extending its life.

We have always been trying to develop our professional audio equipment with high-tech, high performance and with competitive price. Up to now, we own different models, covering high, secondly, and low three levels and are able to provide high quality equipments for different kinds of occasions. In the process of research and development, we have been trying to inpour high-tech soul to every product, and to create high quality equipments.

We do that only for one purpose: we hope our customers will really benefit from our high-tech, high-performance and competitive price products, as well as good after-sales services and technical backstopping.

Model	SFV380	SFV480	SFV750	SFV900
8Ω Stereo Output Power	200W	260W	390W	470W
4Ω Stereo Output Power	380W	480W	750W	910W
2Ω Stereo Output Power	600W	750W	1200W	1450W
8Ω Bridge Output Power	720W	950W	1400W	1650W

WARRANTY CONDITIONS

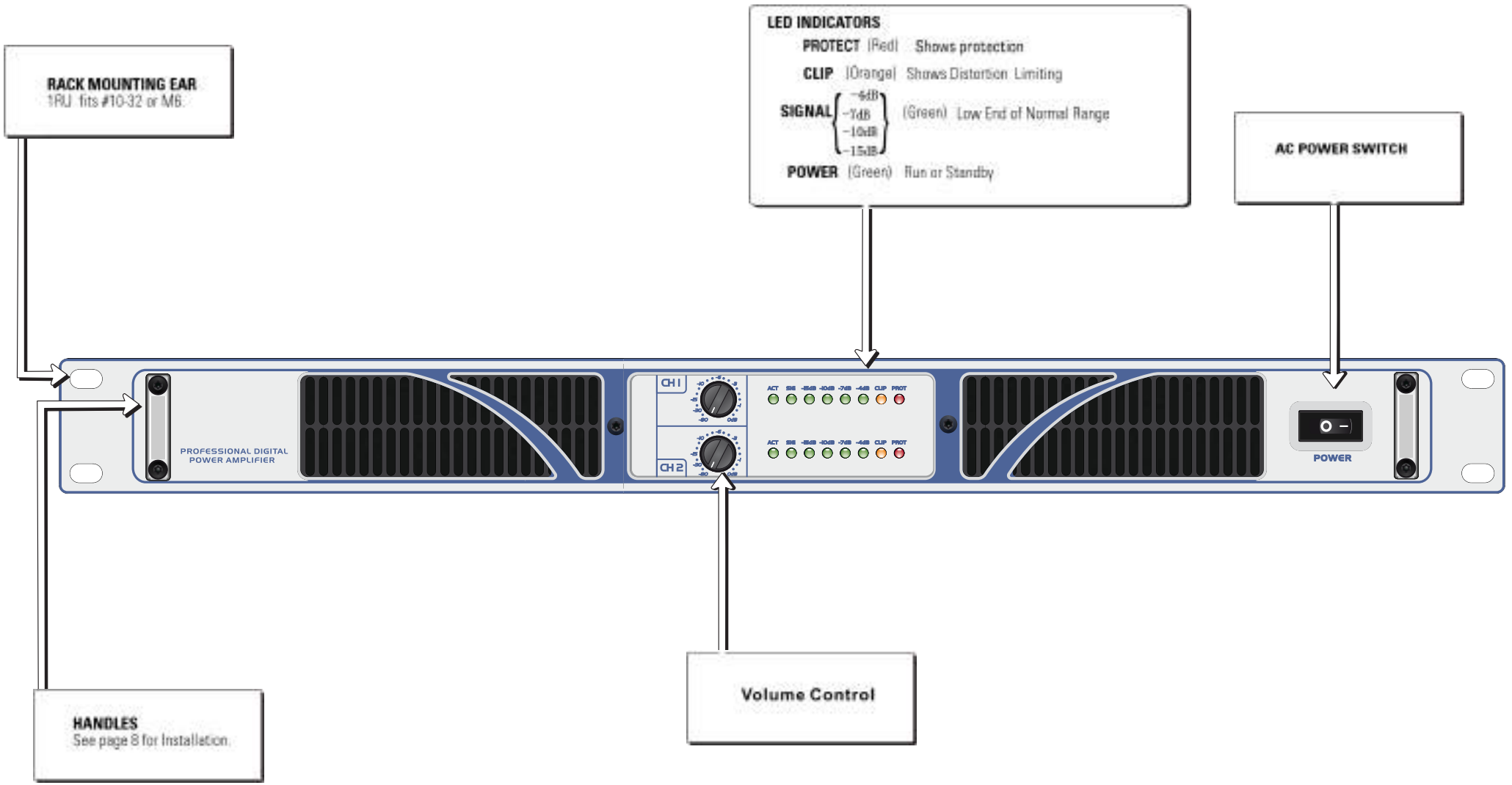
All products are warranted for a period of one year from all manufacturers defects.

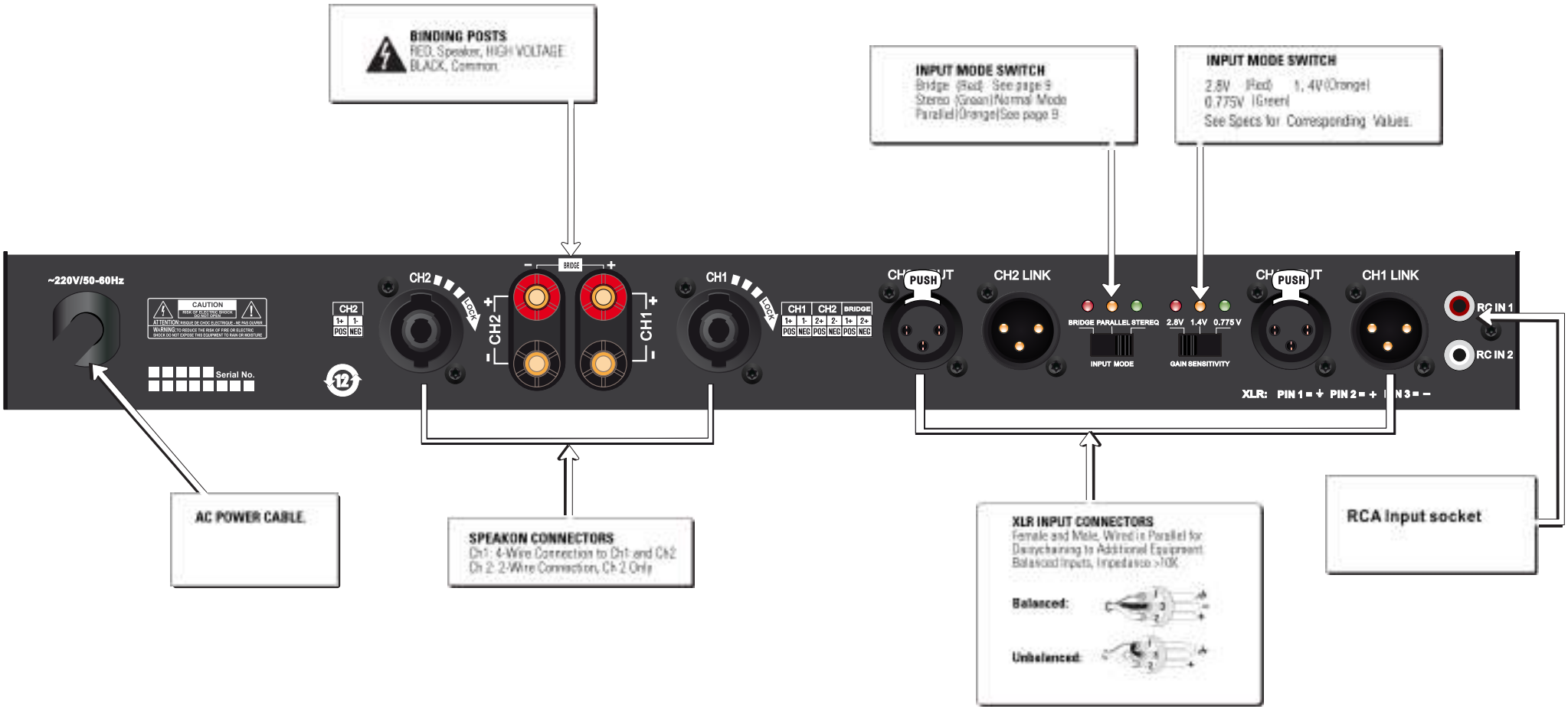
The warranty is void if their are any signs of tampering of the unit, unless authorized by an agent of in writing.

The amplifiers have all protections but bad use can damaged the amplifier and is not covered by the warranty.

For any further information or question regarding the amplifier please contact your distributor or place from which you purchased this product.

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RACK MOUNTING EAR
1RU fits #10-32 or M6
LED INDICATORS
PROTECT (Red) Shows protection
CLIP (Orange) Shows Distortion Limiting
SIGNAL -6dB -7dB -10dB -15dB (Green) Low End of Normal Range
POWER (Green) Run or Standby
AC POWER SWITCH
PROFESSIONAL DIGITAL POWER AMPLIFIER
CH1
CH2
POWER
HANDLES
See page 8 for Installation
Volume Control


BINDING POSTS
RED, Speaker, HIGH VOLTAGE
BLACK, Common
INPUT MODE SWITCH
Bridge (Red) See page 9
Stereo (Green) Normal Mode
Parallel (Orange) See page 9
INPUT MODE SWITCH
2.8V (Red) 1.4V (Orange)
0.775V (Green)
See Specs for Corresponding Values.
~220V/50-60Hz
CAUTION
Serial No.
CH2
CH1
BRIDGE
PUSH
CH2 LINK
CH1 LINK
BRIDGE PARALLEL STEREO
INPUT MODE
2.8V 1.4V 0.775V
GAIN SENSITIVITY
RC IN 1
RC IN 2
XLR: PIN 1 = + PIN 2 = +
AC POWER CABLE
SPEAKON CONNECTORS
Ch1: 4-Wire Connection to Ch1 and Ch2
Ch 2: 2-Wire Connection, Ch 2 Only
XLR INPUT CONNECTORS
Female and Male, Wired in Parallel for
Daisychaining to Additional Equipment
Balanced Inputs, Impedance >10K
Balanced:
Unbalanced:
RCA Input socket

FRONT PANEL FEATURES

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AC power switch

- control all the power for the amplifier. When power is on, whether it is under running or st-andby mode, green power LED should be lit.

Prorectled (red, each channel)

- Indicates that the channel is in protect mode (speakers disconnected by output relay).
- The LED glows bright red while amp is muted for any reason. This normally occurs each time the power is turned on or off. Muting at other times indicates overheating or other protective behavior.

Clip LED (orange, each channel)

- When amp mute for some reason, this LED glows bright orange. This usually happens when the power is turned on and off. Other times indicated overheating or other protection occurs.
- When clipping occurs, this LED flashes bright orange. Intensity and duration is dependson thedegree of clipping.
- When it's limiting, the LED brightness is only half. When Clipping –limiter circuit is enabled, this occurs in all products.

-4/-7/-10/-15 LED (green, each channel)

- Display LED indicators on each channel . If this LED remains lit when no signal input, there maybe interference or other abnormal conditions.

Power LED (green)

- with power on, the green power LED should be lit. When the amplifier is on standby, the LED will be significantly dimmed.

Gain Control

- Each channel controlled by the encoder, each stepping up to 3dB, Stepping maximum to 83dB.

Ventilation slots

- Amplifier gets indraft air from the right panel , out from the left panel, which will shed the heat, to avoid overheating of the rack case.When the amplifier works busy, the fan will be speed up, discharging more hot air.

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REAR PANEL FEATURES

INPUT CONNECTIONS

- Precision balanced inputs offer superior hum rejection.
- Female and male XLR, This XLR input is a balanced input Connect this input to the output of your mixer.

Input mode switch, 3 position: Bridge/stereo/ parallel

- Bridge Mode(red LED): Use input 1 (channel 1) and output 1;
- Stereo Mode(green LED): using channel 1 and channel 2 as the signal input source;
- Mode(orange LED): using channel 1 and channel 2 as the signal input source;

- **7-8: Input Sensitivity mode**

0.775V/1.2V/2.2V/3.0V(customer can adjust it according to actual demand)

- **9 : Fan adjustment mode**

Default mode: automatic speeding cooling fan (customer can adjust it according to actual demand)

- **10 : Stereo / Parallel/ bridge mode:**

Switched down to the ON position to be stereo mode: using channel 1 and channel 2 as the signal input source.

Switched up to be:

1, Parallel mode: use input 1 (channel 1) and output 2(when the mode switch is switched to this position, orange indicator lights on)

2, Bridge Mode: Use input 1 (channel 1) and output 1 (when the mode switch is switched to this position, orange indicator lights on)

SPEAKER CONNECTIONS-SPEAKONS

- Ch1 provides 4-wire access to both channels using the standard convention:Ch1 uses 1+,1-,and Ch2 uses 2+and 2-.
- Ch2 provides 2-wire access to Ch2 only,using 1+,1-.

SPEAKER CONNECTIONS-Binding Posts

- The red terminal for binding post is "positive"; black side output is "negative" (not common)

AC POWER CABLEAND AC VOLTAGES

- This cable is plugged into the power outlet, (before you use this function, please check whether it is the rated supply voltage)

AIR ENTRANCE

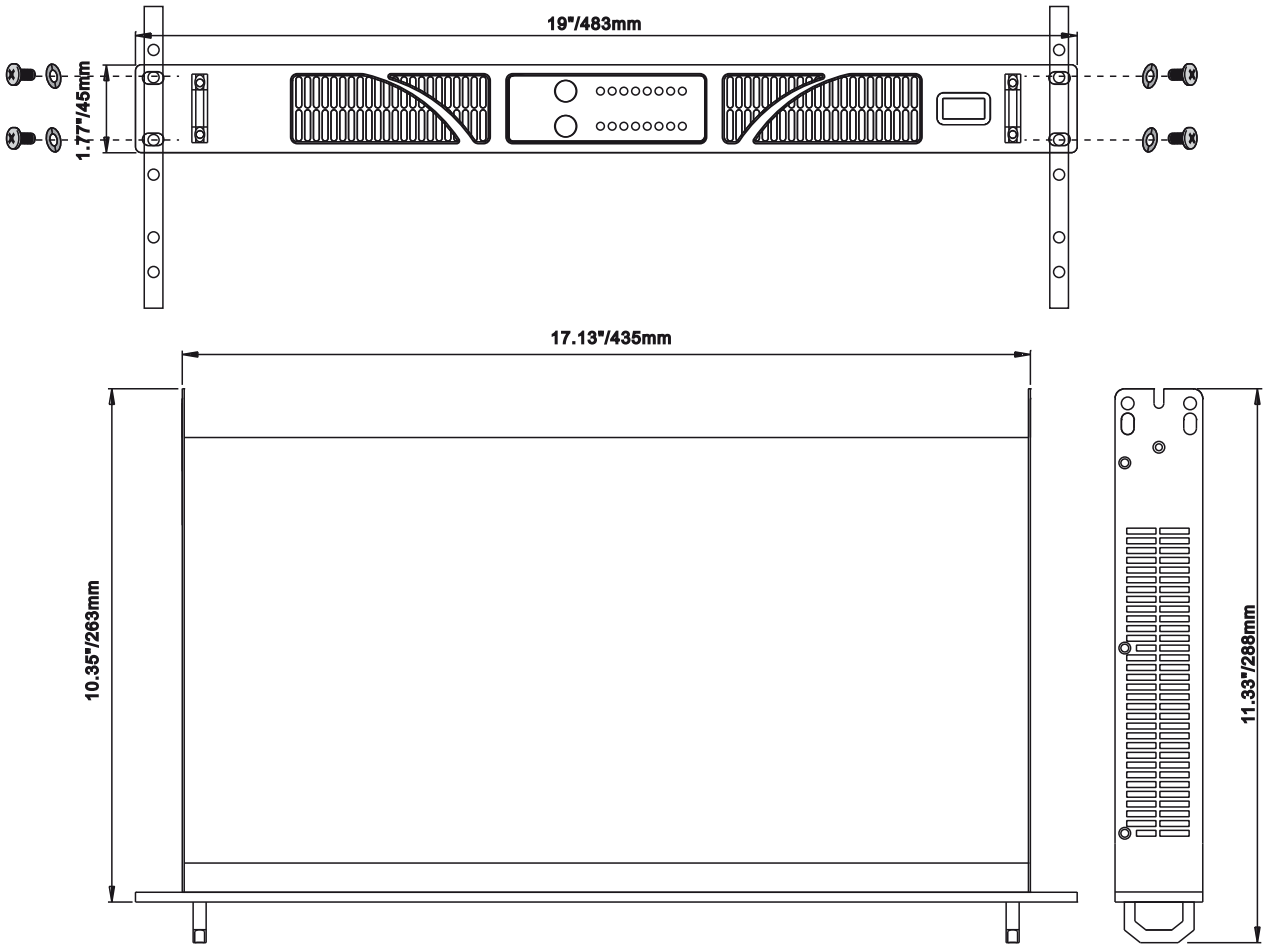
- Air entrance part is for cooling .Don't obstruct it.

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Rack Mounting and Dimensions

Use four screws and washers to mount the amplifier to the equipment rack rails. To use the amplifier outside a rack, attach the self-adhesive rubber feet to the bottom.

For portable, mobile, or other applications where the rack assembly may be moved, we strongly recommend supporting the rear of the amplifier.



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**2Ω Stereo Output Power	600W	750W	1200W	1450W
8Ω Bridge Output Power	720W	950W	1400W	1650W
THD+N (1KHz)	0. 02-0. 05%			
Frequency response	10Hz-20kHz,			
S/N rate	-100dB			
Damping factor	-600			
Output circuitry	D			
Input sensitivity	2.8V	1. 4V	0.775V	
Input impedance	10KΩ balnce/unbalnce			
Front panel control	AC switch; gain control; Power(Green)、Signal-4 dB /-7dB/-10dB/-15dB(Green)、Protect(Red)、Clip(Orange)			
Rear panel control	Input Mode: Bridge(Red),Parallel(Orange), Stereo(Green), sensitivity: 2.8V(Green), 1. 4V(Orange), 0. 775V(Red)。			
Input connector	Male XLR; female XLR;RCA PIN JACK			
Output connector	Binding post:red for output, black for general; Speakon			
Power Requirments	220V/50~60Hz			
Product dimension	483mm×45mm×263mm			
Shipping	5.3kg			

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**Do not recommend using this product in this type of extreme situation; and pls try to avoid using this type of method, which will shorten the normal life of the product!

"Specifications subjet to change without notice"

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