SFDP-SERIES

User Manual EN



PROFESSIONAL POWER AMPLIFIER

www.sfaudio.es

Important Safety Precautions & Explanation of Symbols

EN

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.



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.

INTRODUCTION

This series Amplifiers hanker for higher speed,bigger damping factor,more rich functions and advanced protection system. It is designed with excellent coolingsystem,compact and stable mechanical aseismatic capabilities, and can be used in live concert,disco,night Clubs,etc.

WARRANTY CONDITIONS

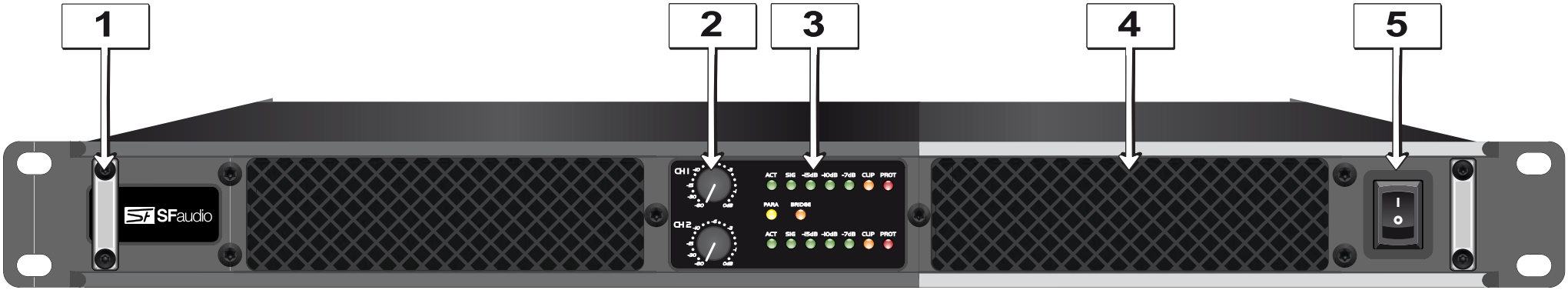
All products are warranted for a period of one year from all manufacturers defects.

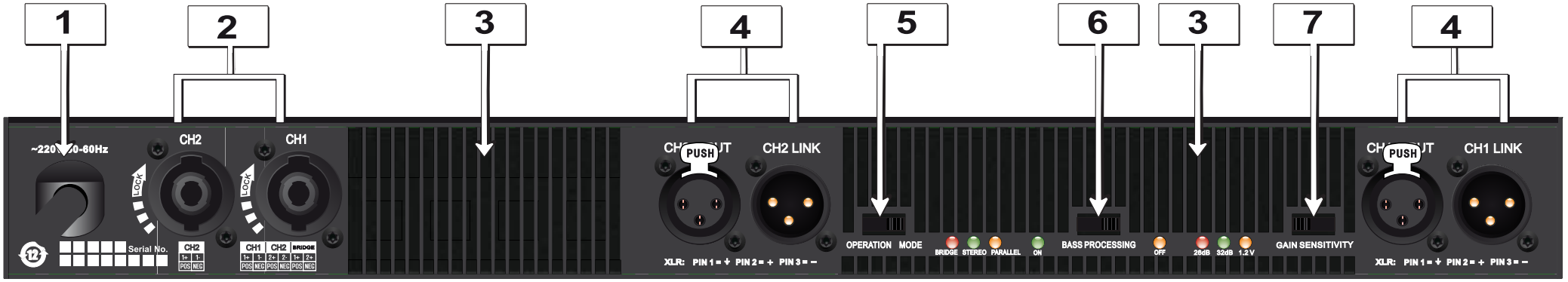
The warranty is void if their are any signs of tampering of the unit, unless authorized by an agent of in writing.

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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1
2
3
4
5
SFaudio
CH1
CH2
ACT
SIG
-15dB
-40dB
-7dB
CLIP
PROT
PARA
BRIDGE


1
2
3
4
5
6
3
7
4
~220V 50-60Hz
CH2
CH1
Lock
Serial No.
CH2
CH1
CH2
BRIDGE
POS
NEG
PUSH
CH2 LINK
XLR: PIN 1 = + PIN 2 = + PIN 3 = –
OPERATION MODE
BRIDGE
STEREO
PARALLEL
ON
BASS PROCESSING
OFF
26dB
32dB
1.2 V
GAIN SENSITIVITY
PUSH
CH1 LINK
XLR: PIN 1 = + PIN 2 = + PIN 3 = –

FRONT PANEL FEATURES

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1、Mounting the handles

- Mount the round holes located inside the rack-mounting ears with rigt phillips-head screws.

2、Volume control

- This potentiometer allows adjusting all input level.

3、Indicator

① Protect LED (red)

- When this protect LED lights up, indicates this channel is under protection (speaker is cut off by relay)
- when amplifier is muted by damage, this LED lights up with bright red, which normally happens when opening or shutting down power. Muting happens when it's over heat or with other protective case.

② Clipping LED (orange, each channel)

- Any illumination of the clip indicates a state of over modulation (distortion at extremely high volumes). In this case, check the output signal of your mixer and turn down the input gain control. Please keep in mind that the power amplifier con not correct any distortion.

③ Signal LED −5dB/−10dB/−15dB (green, each channel)

- When signal level reaches (speakers is cut off by relay).If this LED is still lighting when no signal inputs, it might be with interfere or other abnormal condition.

④ Active LED (green)

- When power is on, the green power LED should be lights up.

4、AIR ENTRANCE

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

5、Power switch

- After electrified, continued click 2 seconds of the power switch, power amplifier automatically open / closed.

REAR PANEL FEATURES

1、Ac power cable and ac voltages

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

2、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-.

3、AIR ENTRANCE

- Air flow vents, do not block.

4、INPUT CONNECTIONS

- precision balanced input can get excellent AC humming suppression, all sensitivity settings are accepted > 21dBu input level
- male and female ends of XLR for each channel , plug-in terminal block , this input is a balanced XLR input , connect this input to the mixer output.

5、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).

7、Gain sensitivity switch, 3 position: 26dB, 32dB, 1.2V

- 26dB (red) and 32dB (green) is set for providing the same voltage gain for all models. When using these settings, the sound emitted by all models is with the same size, but larger power amplifier has greater headroom.
- 1.2V(orange) is set for providing the same gain sensitivity for all models. Sound emitted by the larger amplifier is larger, but the headroom is the same

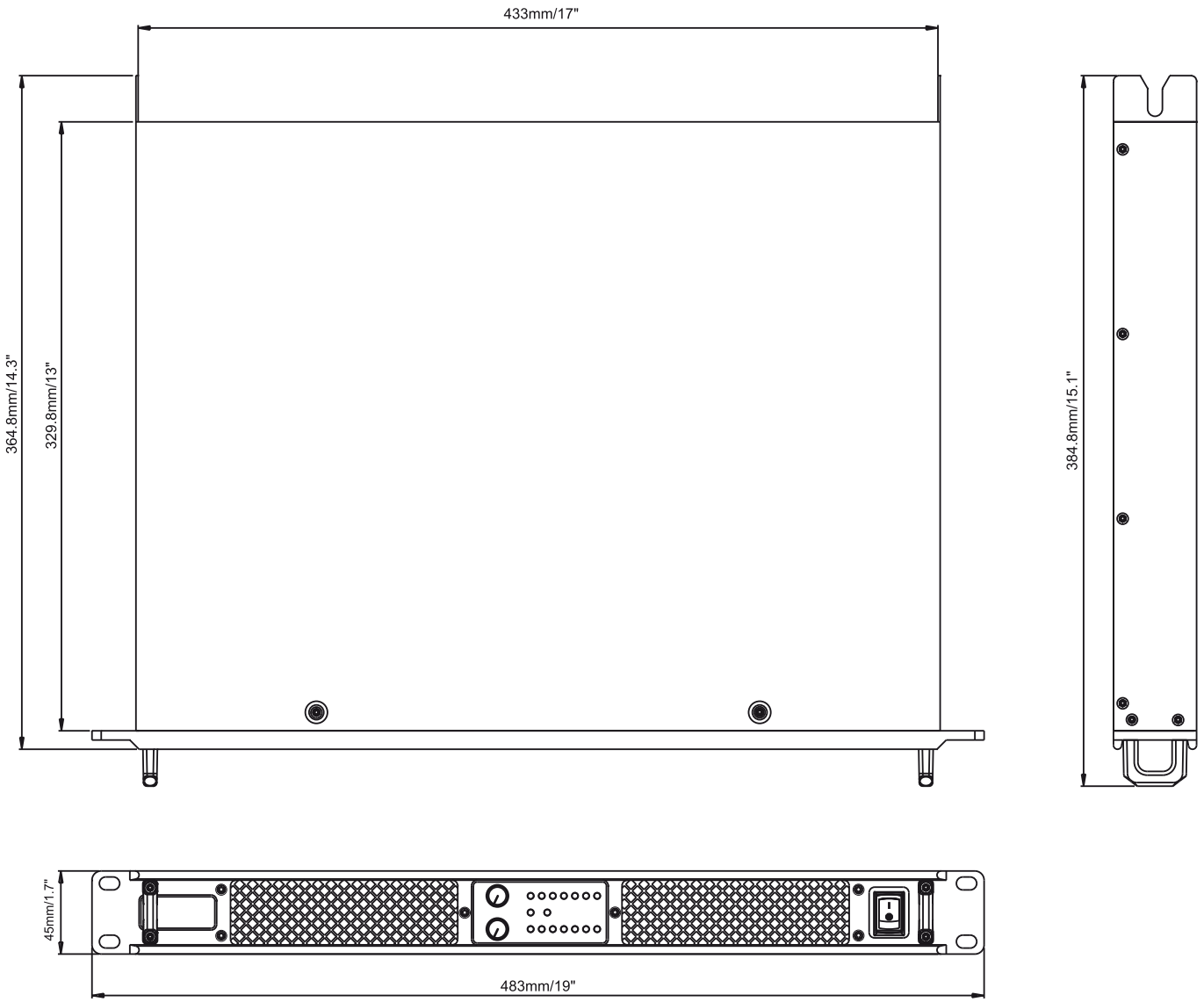
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Rack Mounting and Dimensions

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.



Model	SFDP1000	SFDP1300	SFDP1600	SFDP2000
8Ω Stereo Output Power	560W	800W	1000W	1200W
4Ω Stereo Output Power	1050W	1300W	1650W	2000W
**2Ω Stereo Output Power	1950W	2400W	3000W*	3600W*
8Ω Bridge watts	1850W	2300W	2850W	3450W
**4Ω Bridge watts	3050W*	3750W*	4700W*	5600W*
Output Circuitry	D			
Frequency response（8Ω）	6.8Hz-34kHz			
THD+N /KHz	0.01—0.03%			
S/N rate	-104dB			
Damping factor	＞600			
Crosstalk	＞70			
Input sensitivity	1.2V/32dB/26dB			
Input impedance	>10KΩ balanced/unbalanced			
Front panel control	Volume controller;AC power switch; LED: Power (green), Bridge (orange),parallel (yellow),Signal (green)-7dB (green) /-10dB (green)/-15dB (green), Clipping (orange),Protection (red)			
Rear panel control	Input Mode: Parallel (yellow), stereo (green), bridge(red); Sensitivity: 26dB (red), 32dB (green), 1.2V (yellow); BASS Processing : OFF (yellow), ON (green)			
Input connector	Convex / concave Terminal XLR			
Output connector	Speakon			
Cooling	3 fan, airflow from the front panel to rear panel, Stepless wind speed, according to the temperature.			
Dimensions	483mm/19"×364.8mm/14.3"×45mm/1.7"			

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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"