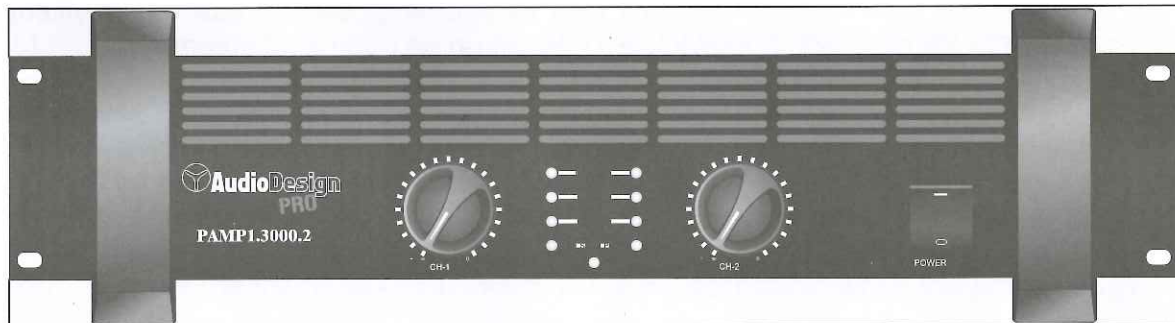


 **AudioDesign**
PRO

PAMP1.3000.2



PROFESSIONAL POWER AMPLIFIER

OVERVIEW

For years, our engineers worked hard at R&D one kind of clever and honest amplifiers.

PAMP1 3000.2 new amplifier can be connected up to 2 Ohm in Stereo and 4 Ohm in bridge mode so to meet any connection request. Simple and easy control make the amplifiers become the first choice in professional audio field.

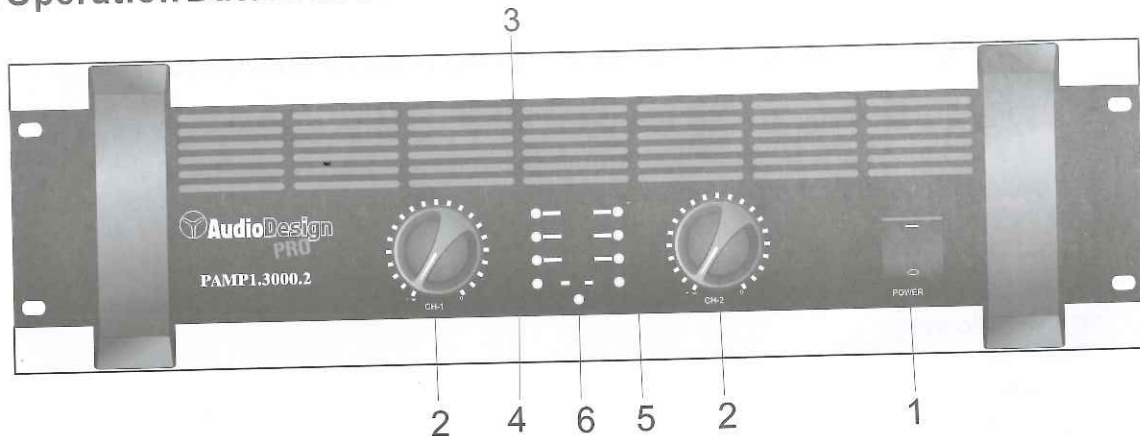
ATTENTION

WARNING - using electric product, basic precautions should always be followed, including the following:

- (1) Read all the **SAFETY INSTRUCTIONS** before using the product
- (2) To reduce the risk of injury, close supervision is necessary when the product is used near children
- (3) Do not use this product near water-for example, near a bathtub, washbowl, kitchen sink, in a wet basement or near a swimming pool or the like.
- (4) This product is capable of producing sound levels that could cause permanent hearing loss. **DO NOT** operate for a long period of time at high volume or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
- (5) This product should be located so that its location or position does not interfere with its proper ventilation
- (6) This product should be located away from heat sources such as radiators, heat registers or other products that produce heat
- (7) The product should be connected to a power supply only of the type described on the operating instructions as marked on the product. Always ensure that a good quality mains lead is used applicable for your country
- (8) If the mains fuse need be replaced, **DISCONNECT THE PRODUCT FROM THE MAINS SUPPLY**. The fuse is above the mains IEC socket, and must be replaced with a fuse of the type and rating stated on the rear panel. If a replacement fuse fails immediately, contact your local service agent. **DO NOT** replace with a higher value
- (9) The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time. When unplugging the power-supply cord, **DO NOT** pull on the cord, but grasp it in the plug.
- (10) Ensure the mains isolation switch is readily accessible when the product is in use
- (11) Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
- (12) The product should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Object have fallen, or liquid has been spilled into the product; or
 - C. The product has been exposed to rain; or
 - D. The product does not appear to operate normally or exhibits a marked change in performance; or
 - E. The product has been dropped or the enclosure damaged.
- (13) **DO NOT** attempt to service the product beyond that described in the user maintenance instructions. All other servicing should be referred to qualified service personnel.
- (14) **WARNING-DO NOT** place objects on the product's power cord or place it in a position where anyone could trip over, walk on or roll anything over it. **DO NOT** allow the product to rest on or to be installed over power cords of any type. Improper installations of this type create the possibility of fire hazard and / or personal injury.

Main Operation Button and Function

Front Panel



1. Power ON/OFF Switch

When press this button, the prevent wave shock current shall start and soft boot up, after 3-4 seconds, you can hear the relay holding ("Ca Ca" noise). The soft boot up finish, then after 1-2 second too, the double noise can heard once time, the amplifier already connect the speaker, now this equipment in stand by status.

2. CH 1 - CH 2 input level adjust knob

You can use this knob to adjust volume according your need, also you can accord the graduation of front panel to adjust when position far from speaker.

3. CH 1 / CH 2 protect LED (RED)

it will be light-up in 3 kind status

1. At 4-6 second after power on, the amplifier now booting to stand by status, it still haven't connect to the speaker, to avoid high current shock to the speaker.
2. Over 85° C of the power parts cover
3. the amplifier work un-normally, centre-voltage move to unbalance

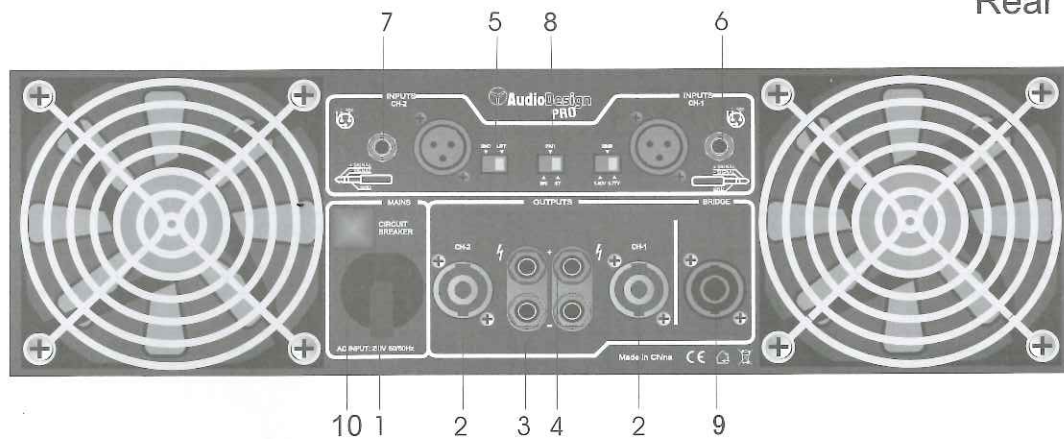
4. CH 1 / CH 2 cut-wave LED (YELLOW)

When Flasching, show the amp Clipping

When continuously, show that signal have been interrupted due to a probable short circuit. If so, please switch off and check all connection carefully

5. SIGNAL indication LED (green)

6. Mode indication LED: Mono / Stereo / P AR



1 Power cord receptacle and fuse

When occurs a problem on this appliance the fuse is cut off power to prevent form a problem. To replace, use standard fuse as specified on this appliance

2. Ch 1 and Ch 2 speak-on output socket

To connect speakers when working in stereo mode, the way of connecting is 1+2+; 1-2-

3. Ch 1 and Ch 2B binding output connector

As the work is in stereo mode, can use speaker for connecting , the way of connecting is red + / black -

4. MONO binding output connector

To connect speaker when working in mono mode, , the way of connecting is (Ch A) Red + (sp+); (Ch B) Red + (sp-)

5. Ground lift switch

Setting tubs switch to ground and lift, you can break the ground loop between the amplifier and the chassis grounds of various components. The resistor is 100 K Ohm

6/7. Ch - 1 and Ch- 2 input connectors (XLR or Jack 6,3)

Using 6.3 mm Jack connector, you can use unbalance and balance

Tip= Signal + ring = signal - sleeve = ground

8.Selector switch operating mode

Position STE: stereo operation;

Position BRI: bridge operation

Position PAR: parallel operarion

9.MONO speak-on output socket

As the work is in mono mode, can use speaker for connecting, the way of connecting is 1+2; 1- 2-

PROFESSIONAL SERIES SPECIFICATIONS

MODEL	PAMP1.3000.2
8 Ohm RMS Power *	2x1.000 W
4 Ohm RMS Power *	2x1.500 W
2 Ohm RMS Power *	2x2.100 W
Bridged 8 Ohm RMS Power *	3.200 W
Bridged 4 Ohm RMS Power *	3.800 W
* Distortion < 0,05%	
Frequency Response	20 Hz - 20 KHz - 1,0 dB
Input Sensitivity	0,77 V / 32 dB / 1,0 V
Max input level	21 dBV / 9 V
Input impedance	20 K Ohm
Signal/Noise ratio	> 100 dB
Channel separation at max power - 8 Ohm	> 105 dB
Damping factor r f=1 KHz - 8 Ohm	> 500
Internal Slew rate	45 V / μ S
Protection	Short Circuit - Overload - Thermal Protection Transient Protection - Soft start
Power consumption	< 1.500 W
Alimentazione	CA 115 V / 230 V 50-60 Hz
Dimensions (LxPxA) mm	482 x 420 x 132 mm
Weight	28 Kg

Installation guide lines

DO NOT use these amplifiers in damp or high humidity environments.

Do not use outdoors or anywhere where liquids could fall or splash onto the amplifier.

Ensure the amp is adequately ventilated, with free airflow to the front and rear panels.

Keep away from other heat sources. If the amps are mounted in a rack with other amps, ensure there is adequate cool air flow front and rear. Note that air is drawn in through the back panel, and exhausted through the front panel.

NEVER cover the amplifiers, as they may overheat.

Our power amplifiers are designed to fit standard 19" racks, with a 2 U height and 17 depth. We recommend the use of rear rack supports, especially if the rack is to be mobile. Use shake proof washers or thread lock adhesive to prevent mounting bolts becoming loose in transit.

FAULT	PROBLEM	SOLUTIONS
No sound (power LED off)	AC supply not connected or switched off	Check AC connections and switches
	Blown fuse	Check and replace fuses at plug and IEC socket. USE ONLY SAME TYPE AND RATING!
NO sound (Power LED on)	No input, or input too low	Check input is connected, and LED
	Level controls set too low	Increase level controls
	Speakers faulty or not connected	Check speakers and speaker connections
Hum or buzz is audible	Noise from AC supply is being picked up in the signal path	Use good quality, shielded signal cables and ensure they are kept away from AC power cables and other AC powered equipment
	There is an earth problem	Use a mains tester to ensure the AC outlet has a good earth. Power connected equipment (e.g mixer and amp) from the same AC outlet where possible.
Distortion is audible	Excessive signal level somewhere in signal chain.	Use the LED to ensure the AC outlet has a good earth. Power connected equipment from the same AC outlet where possible
	Damaged or poor quality cables	Use only high quality cables of the appropriate type, protect them from damage and regularly check connections.
Sound cuts out or is intermittent	Damaged or poor quality cables or connectors, connectors not properly inserted, amp overheating	Check all cables and connections, refer to above sections regarding distortion and temp warning light

Service

All products are thoroughly examined and tested before leaving the factory, and if used correctly will give you many years of excellent service. However, if a problem arises, proceed as follows:

(A) contact the retailer from whom the unit was purchased and describe the symptoms of the fault.

(B) if the retailer cannot help, return the equipment to the national distributor for your country. Use the original packaging to protect the product from damage. Include a note with the equipment stating your name and address, details of the problems, date code and date and place of purchase.