AUDIA FLIGHT

Strumento n° 4

Signature

Stereo power amplifier

AUDIA FLIGHT

Owner's manual

Strumento n° 4

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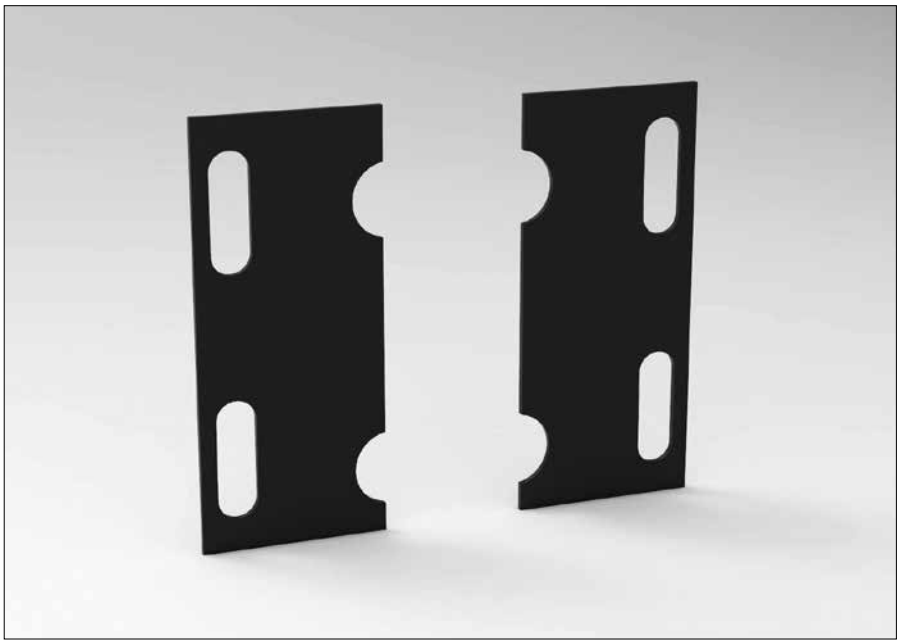
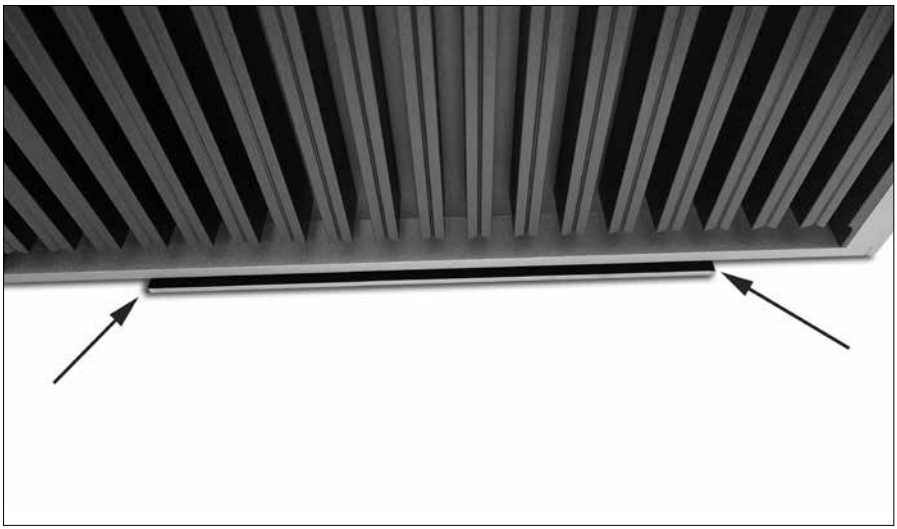
Stereo power amplifier

Unboxing instructions

Due to decoupling system between transformers and chassis, the Strumento series power amplifiers come with a pair of metal parts intended to protect amplifiers during shipment. When in place, these plates avoid any headroom between transformer set and amplifier chassis. Plates must be removed once amplifier is placed in its final position. Please follow these recommendations in order not to cause harm to people and the equipment itself. Two or more people needed.
Please note that, when amplifier is shipped, plates must be in place.

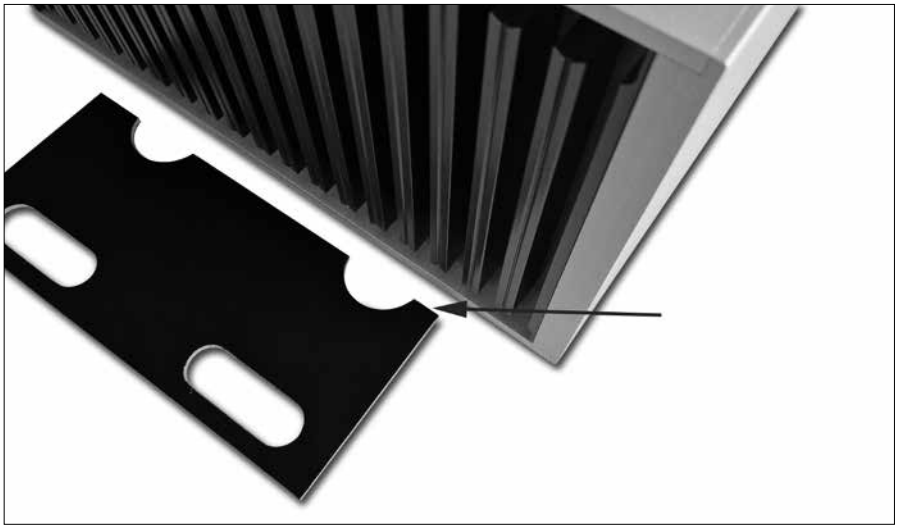




When in place, plates must be in this position.

In order to remove plates, amplifier must be slightly raisen, due to weight better in two times, one side at a time. Two or more people needed.

Metal plates have to be removed before unboxing amplfier or put back in place again before shipping. There is a plate each side, left and right.



For future use, remember that this small part of the metal plates has to be oriented towards the front of the amplifier.

Audia Flight congratulate you and thank you for choosing one of its products to make your sound system. The Strumento n° 4 Signature stereo power amplifier has been patiently designed with the intention of being one of the best equipment available and capable of powering any speaker on the market today. This ambition is of course requisitioned all the know-how of the brand and demanded fidelity to the principles of the most developed, the application of the most powerful techniques and the use of the best components. Its production does not suffer any compromise was made with an extreme attention and care. You can be assured of having a device that will serve you and give you many years of musical enjoyment only. This manual is intended to advise you and help you get your amp the best possible.

Safety instructions

Before you start using your Strumento n° 4 Signature stereo power amplifier, please read the operating instructions and safety precautions outlined below.

1. Always make sure the unit is unplugged before connecting or disconnecting any other device of the audio system in case of intervention on these devices.
2. Your device comes with a three-wire power cord (AC voltage of 100 - 115 V or 230 - 245 V). To prevent electrical shock, all three wires must be used. If your outlet does not accept the plug type fitted to the cord, you need an adapter and, if so, make sure it meets the required safety standards and, above all, establishes a connection to earth. If in doubt about the integrity of your electrical system call in the assistance of a qualified professional.
3. The use of an extension cord is not recommended for this product. If an extension is required, ensure its compliance with safety rules and its ability to withstand the intensity of current required to power your device.
4. Never use flammable or combustible chemicals for cleaning.
5. Do not attempt to open the device, in under no circumstances use it without removing all the packing materials or elements covering the unit.
6. Do not spill nor spray any liquids directly on the device.
7. Never push objects through openings in the unit.
8. Never remove a fuse.
9. Never replace a fuse with one of size or type than those specified.
10. Never attempt to repair the unit yourself. In case of problems, contact your dealer.
11. Never expose your device to temperatures too high or too low.
12. Do not leave electrical appliances within the reach of children.

TRANSPORT AND UNPACKING

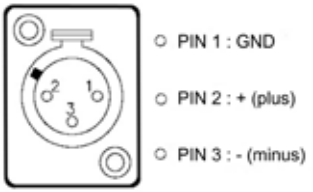
Due to the significant weight of the unit, we strongly recommend enlisting the help of one or two additional people for lifting and installation to ensure safety and prevent damage. Do not invert the package. Always follow the orientation indicators and printed handling instructions. Before unpacking, position the box as close as possible to the intended installation location. To unpack the unit, remove the securing "keys" from the outer packaging, lift the top of the box, leaving the unit and base in place. The device is protected by a cover and a second envelope containing a desiccant pouch to protect against moisture. The box includes: Audia Flight Strumento N°4 Signature, detailed instruction manual, shielded power cord. Please retain all original packaging materials for future transport. If you need to repack the unit, ensure all internal protective elements are correctly repositioned. Audia Flight is not responsible for any damage or injury resulting from improper handling or repackaging.

LOCATION

Choose a location that can safely support the considerable weight of the unit. Due to the amplifier's operating principle and heat dissipation design, it is essential to allow at least 10 cm (4 inches) of clearance on all sides, including underneath, to ensure proper natural ventilation. Do not place the unit near heat sources, in areas prone to vibration, or in direct sunlight. For optimal performance, install the unit as close as possible to your speakers to minimize the length of speaker cables and reduce signal loss. When using unbalanced (RCA) connections, the distance between the preamplifier and the amplifier should not exceed one meter to prevent potential background noise. Even though balanced (XLR) connections are more resistant to noise, keeping the interconnect cable lengths as short as possible is still recommended to preserve maximum audio quality.

INPUT CONNECTIONS

Before making any connections, ensure that the amplifier and all other components in your system are turned off or unplugged. This will prevent potential damage to your equipment. On the rear panel of the Strumento N°4 Signature, use the selector switch to choose your preferred input format: XLR for balanced connection and RCA for unbalanced connection. Using high-quality interconnect cables, connect the left and right outputs of your preamplifier to the left and right inputs of the Strumento N°4 Signature. Be sure to use the cable type that matches your input selection (XLR or RCA). A balanced (XLR) connection is strongly recommended, especially for long cable runs, as it provides better resistance to interference and noise. The pin configuration of the XLR input (female) is as in the diagram on the side.



OUTPUT CONNECTIONS

Connect each speaker by appropriate cables, output terminals to negative and positive, at the rear of Strumento n° 4 Signature. There are two negative output connectors and two positive output connectors each channel to have the possibility to use different cables for the same speaker (bi-wire connection).
Also be careful:
THE NEGATIVE OUTPUT CONNECTORS ARE NOT CONNECTED TO THE GROUND. THIS AMPLIFIER IS A TRUE BALANCED AMPLIFIER.
The isolated terminals accept all the endings: banana plugs, bare wire or fork. Ensure the reliability of each link or tighten each terminal with a cable or her fork. The use of speaker cables of the highest quality is strongly recommended.

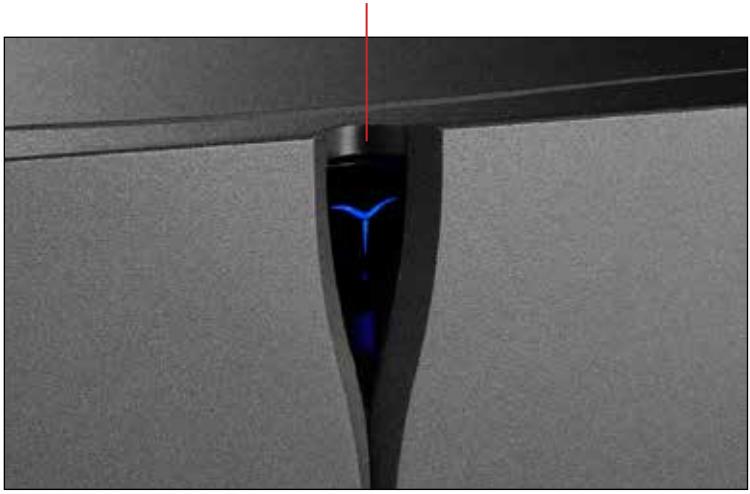
COMMUNICATION BETWEEN AUDIA FLIGHT AND OTHER BRANDS

On the rear of Strumento n° 4 Signature you will find an outlet "Trigger" format 3.5 mm jack. This connection allows devices from different manufacturers have adopted this mode of communication and equipped with the necessary taken to control its implementation on or standby simultaneously.

AC MAINS CONNECTION

Before connecting your Strumento N°4 Signature to the mains supply, verify that the mains voltage matches the voltage rating indicated on the rear panel of the unit. Using the incorrect voltage may cause serious damage. Connect the supplied shielded power cable to the 20A power inlet on the rear of the Strumento N°4 Signature. Flip the main power switch located on the rear panel to the "I" (on) position. An indicator light in the front groove will illuminate, showing that the unit is in standby mode. To activate the amplifier, press the touch sensitive logo button located in the recessed groove on the front panel. The logo will illuminate, and after a brief delay, the amplifier will transition from standby to operational mode and be ready for use. To return the unit to standby mode, press the logo button again. The logo will turn off, and the standby indicator light will reappear. To fully power off the amplifier, switch the rear panel power switch to the "O" (off) position. For proper operation and safety, your system must be connected to a reliable and effective earth (ground) connection. The absence of proper grounding can lead to malfunctions and may pose a safety hazard. Ensure that the amplifier and all connected components share the same grounding point.

On/off push button
Stand-by/on mode display
Protection mode display



PROTECTIONS

For your own safety and that of the amplifier, the Strumento n° 4 Signature is provided with electronic protection systems may be involved in the following circumstances:

- excessive temperature of the output;
- excessive current output current (in case of short circuit or load impedance too low);
- detection of a DC voltage at the output;
- failure of power supply.

The intervention has a protective effect of stopping the amplifier and is indicated by displaying a code in the window of the front indicating the nature of the intervention of protection.
In any case, turn the power back by the switch, wait a few minutes and replace operation. If the problem persists, contact your dealer or distributor.

LISTENING TIPS

Even if the device has already been run for fifty hours, during which operations and tests have been successfully passed, we advise you to continue for a hundred hours, provided that the running occurs in the presence of a signal.
During a long period of disuse, the complete extinction by the switch on the rear panel is recommended. The Audia Flight Strumento n° 4 Signature is able to reveal nuances and extremely subtle details present in the recordings, we recommend to combine it judiciously and in synergy with other elements of your system, including connections. The association to the preamplifier Strumento No.1 Signature is, of course, ideal.

CARE AND MAINTENANCE

To remove dust on the box, use a feather duster. Do not attempt to clean the surfaces brushed with alcohol or any other similar solvent, using a simple microfiber cloth, possibly damp or dry to remove stains. Dirt and grease on the connectors can produce sound degradation. We recommend cleaning all the contacts through which the signal to the speaker terminals, with isopropyl alcohol at least once every six months.

Technical data

Output power per channel Wrms:	300/600/1000 (8/4/2 Ohm)
Inputs:	1 unbalanced RCA + 1 balanced XLR
Gain:	29 dB
Input sesitivity	1,41 V
Frequency response:	0,3 Hz ÷ 1 MHz (1 Wrms, –3 dB)
Slew-rate:	200 V/us (on 8 Ohm)
THD:	< 0,05 %
S/N Ratio:	110 dB
Input impedance:	balanced or unbalanced 7.5 kOhm
Damping factor:	> 1000 (on 8 Ohm)
Main voltage:	AC 100, 110/115, 220/230, 240 V, 50/60 Hz
Power consumption:	1100 W (300W rms 8 ohm both ch. driven)
Dimensions / weigth:	450 x 280 x 500 mm (W x H x D) - 103.5 kg
Shipping dimensions / weigth:	580 x 410 x 700 mm (W x H x D) - 124 kg

Warranty

Audia warrants materials, workmanship and proper functioning for a period of two years. The Italian warranty is valid from the purchase date shown on the receipt and only in Italy. Unauthorized dismantling of the product will render this warranty void. Audia reserves the right to make changes in design and improvements upon its products without necessarily assuming an obligation to retrofit such changes upon previously manufactured models. Audia shall in no event be obligated for any incidental or consequential damages as a result of any defect or any warranty claim, whether expressed or implied. Any replacement of parts not covered by the warranty will be charged to the customer. Any unit requiring repairs must be taken to the retailer in its original packaging for delivery to our offices or authorized service center with a description of the defect. If shipping is required, such costs are charged to the client. For all foreign markets, the Audia local distributor is responsible for establishing any and all rules governing warranty in accordance with the rules and regulations that apply in each country. This includes length of warranty, location where repairs may be effected, costs, if any, and conditions pertinent to fulfilling the conditions of warranty.

AUDIA
FLIGHT

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Made in Italy

Eng rel. 1.0