

# AUDIA FLIGHT

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## Strumento n° 1



### *Owner's Manual*

*rel. 1.1*



**Audia Flight congratulate you and thank you for choosing one of its products to make your sound system.**

**The Strumento No. 1 preamplifier 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 No. 1 preamplifier, 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 or the audio system in case of intervention on these devices.
- 2) Your device comes with a three-wire power cord (AC voltage of 110 V or 220). To prevent electrical shock, all three drivers must be used. If your outlet does not accept the type plug fitted to the cord, you need an adapter and if so, make sure it meets the required safety standards and above all it 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 sector 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***

Do not return the package containing the device, paying attention to signs of normal direction of transport. Before opening the package, bring it near the planned installation location for the unit.

Remove the “keys” around the box, leave the other side of the box from the base.

The device is surrounded by a cover and a second envelope containing a desiccant.

Package Contents: Strumento No. 1 comes with a detailed instruction manual, a power cord shielded, communication cable with other devices Audia Flight, a remote control, batteries and a tool for their replacement. We recommend you keep the packaging for possible transport. In the case where the unit is packed again, be sure to try reseating all internal components. Audia Flight not be held responsible for any incident or damage to the aircraft or persons, resulting from poor packaging.

## ***LOCATION***

Place the unit on a solid shelf away from vibration and heat sources. Do not expose to direct sunlight making it difficult to read the display. Do not place it near sources emitting light that might disturb the good reception of remote control commands.

In the case of an asymmetric binding of the preamplifier, make sure it does not exceed one meter between the reader or between the amplifier, to avoid background noise. This distance is more important in the case of a balanced connection.

## ***OUTPUT CONNECTIONS***

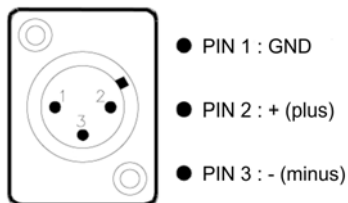
Do not short-circuit the output of the unit, never connect the left and right outputs together, it can damage the circuitry of the output stage in Class A. On the rear of the preamplifier, you have three outputs (OUTPUT): two symmetrical format, taken on two pairs, XLR 1 and XLR 2, and a format of an asymmetric pair of RCA jacks.

Using a pair of cables terminated with XLR connectors for balanced transmission or by praying for RCA unbalanced use, connect the left and right channel outputs of a Strumento No. 1 respectively to left and right channels of the input of a stereo amplifier.

The same pair of wires may connect the two channels of this output to the input of each of the two mono blocks dedicated to each of the two channels. Several outputs can be used simultaneously.

The use of interconnect cables of the highest quality is strongly recommended.

The polarity of the pin XLR connectors output is shown on the diagram below:



Keypad of the outputs of each channel has still an output "REC" on RCA, it is a fixed output level, the signal of the selected input, for connection to a recording device.



## ***INPUT CONNECTIONS***

Before connecting, make sure your device and other devices in your system are turned off.

Audia Strumento No. 1 preamplifier has 5 stereo inputs, high-level and variable gain:

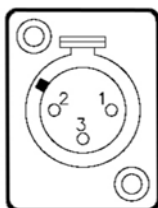
- 2 inputs (INPUT 1 and INPUT 2) whose format is selectable balanced or unbalanced for each by the «SET » (see below) to enable the XLR balanced if the connection is chosen or activate RCA if it is the unbalanced connection is chosen.

- 3 other inputs (INPUT 3, INPUT 4 and INPUT 5) in symmetrical single format on XLR.

Using cables terminated with the proper jacks, connect the left and right channels for each source respectively to left and right of the entrance to the Strumento No. 1 preamplifier dedicated to this source.

Cable modulation of the highest quality are recommended for these connections.

The polarity of the pin XLR input is shown on the diagram below:



- PIN 1 : GND
- PIN 2 : + (plus)
- PIN 3 : - (minus)

## ***COMMUNICATION LINK***

If you have multiple Audia Flight units equipped with outlets suitable, you can link them together and synchronize their firing and transmitting data or service. This requires connect one end digital RJ45 cable provided in one of the two jacks to the back of the unit and similarly, the other end in a socket at the rear of Audia Flight unit the other. Perform these connections, all devices off.

Never use the cable for another use or for a device that would not be an Audia Flight.

In case of a connection between Strumento No. 1 and Audia Flight cd players (CD ONE CD TWO or THREE CD) or power amplifier like Strumento No. 4, it is best to place the switch located next to the catch the latter position "slave" and select the preamplifier as "master" in the menu of its function «SET ».

## ***COMMUNICATION BETWEEN AUDIA FLIGHT AND OTHER BRANDS***

On the rear of Strumento No. 1 you will find two plugs called "Trigger", format 3.5mm jack.

This connection allows devices from different manufacturers have adopted this mode of communication and equipped with the necessary control taken a formal position or standby simultaneously.

## ***AC MAINS CONNECTION***

Make sure the mains voltage of your system is right for which your machine is designed and printed on the bottom of the unit. Plug the shielded power cord supplied on the rear socket of Strumento No. 1 and then switch the mains switch of the socket on the "I" position. The light from the center of the "ON" button in front panel lights indicating the standby state. The device is ready for operation after pressing the "ON" key to producing the front for a few seconds the display on the screen:



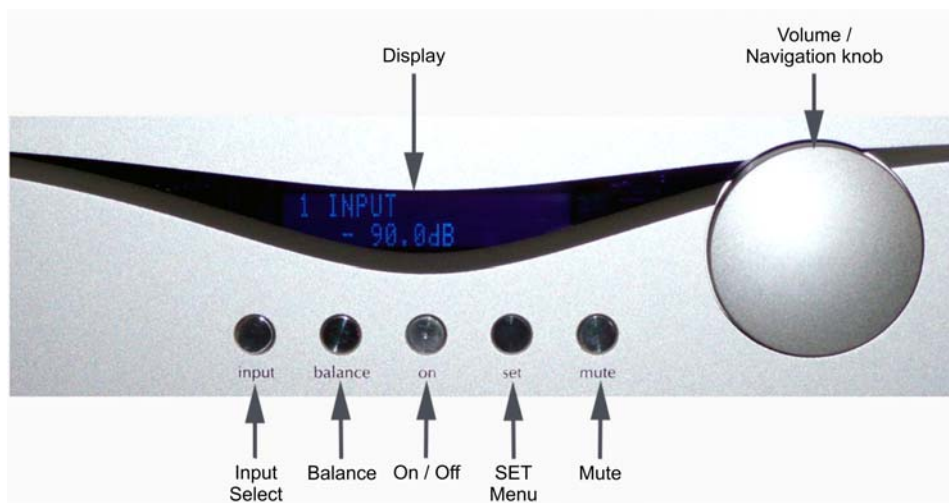
followed by the first line display of the number of the selected entry (# 1 by default) and the second line level, in dB, the output signal (- 90 dB, by default, the highest low).



For proper functioning and safety of persons and property, it is essential that your system be fitted with an effective earth whose absence may cause malfunction. Preamplifier and other system devices must be connected.



## FUNCTIONS AND CONTROLS



- In normal mode, the display shows on the first line the input selected and on the second line the volume of the output.
- The volume knob on the front panel adjusts the volume in 0.5 dB steps for each action on a range of - 90 dB minimum level at + 10 dB, maximum. It is also used to navigate through menus accessed by different modes of the buttons on the front.

### • **ON / OFF**

With each new setting, the indicator light in the center of the “ON” button turns off while the screen displays the status in which the unit will automatically place: one that preceded his sleep.

Pressing the button again "ON" the level is reset to the minimum (- 90 dB) and then the screen turns off: the device is put into standby. To turn it off completely it is necessary to commutate the switch on the rear panel in position "O".

### • **Input selector**

The input selection is done by pressing the "input" button of the front and turning the volume knob, clockwise to scroll on the display, the entries in order of their number increasing or opposite direction for a sweep down. The selected entry is one that, after a few moments, is displayed.



Selection can also be performed by the remote by pressing the "INPUT" button, the scan by using the « + », in ascending or "-", in descending order, and, after remaining displayed a few moments on the selected entry.

- **Balance control :**

By pressing the "**balance**" button, the display shows, in percentage the output level of each channel. By turning the volume knob clockwise, the level of the left channel and the corresponding percentage decreases also when the level of the right channel is maximum. By turning in opposite direction, the level decreases from the straight path, indicated by the lower rate corresponding thereto. The setting is saved after a few minutes without change.



Key and function are available on the remote control, adjustment is effected by using the « + » or « - ».

- **Mute**

By pressing the "**mute**" button, the volume gradually decreases to a minimum (- 90 dB). Pressing again the button, the volume gradually returns the value it had previously and shown on the display.

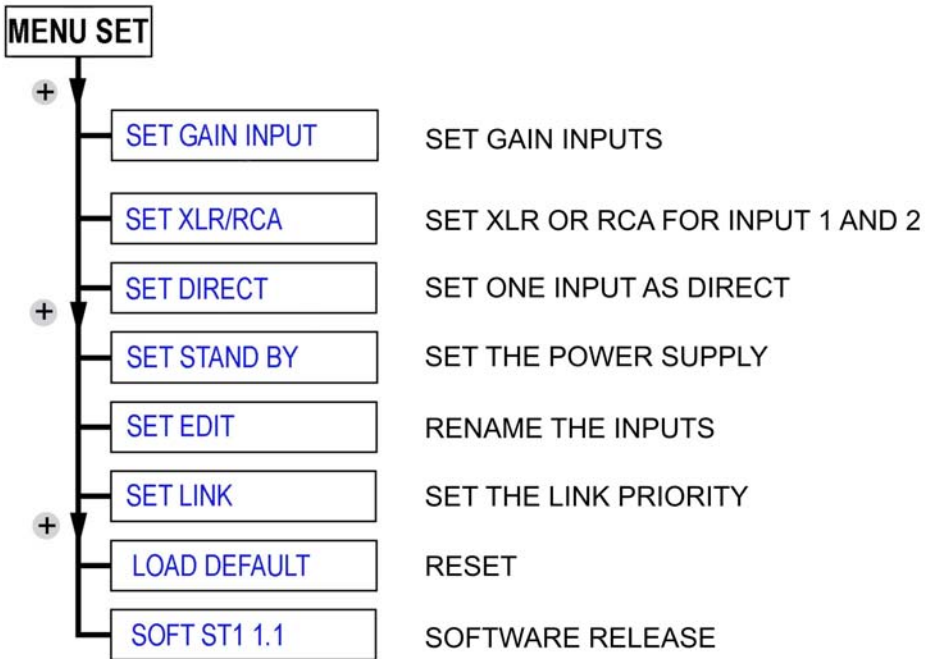


Key and function are available on the remote.

• **Set**

This button provides access to several modes, additional functions or facilities of use of the preamplifier. The first action of this key gives access to the first mode **SET GAIN INPUT**, the following are accessible by rotating the volume knob clockwise or the « + » button on the remote. Entry into a mode is done by pressing the SET button, the navigation button or the volume keys « + » or « - » on the remote. The confirmation of the choice is made by a new action on SET. The validation of the choices is effective after a few moments when the display returns to the first mode and then to the normal screen.

Here is the chart of the various modes and their meanings summary:



• **mode** « **SET GAIN INPUT** » :

by pressing once on «SET » mode access **SET GAIN INPUT** is given further support by confirming the SET mode where the gain of each input can be increased or decreased in 1 dB steps, until 6 dB maximum, in order to equalize their levels.



The input number flashes pending confirmation of an intervention on this entry by pressing SET again or move to higher-order entry for the volume button or the « + » button. Then what is the value of increased blinking pending confirmation by the SET or modified by the volume button or « + » or « - ». After pressing SET and a few moments, the setting is stored and the display returns to normal.

• **mode** « **SET XLR / RCA** » :

this mode enables, for the inputs 1 and 2 only, either the XLR to a balanced connection with the source or the RCA jacks for unbalanced use.



Upon entering this mode, the input number flashes action pending confirmation by the SET button or change the entry by pressing the volume button or « + » or « - ». The selected format, **RCA** or **XLR**, appears on the first line of the screen, right. Just confirm the action by the SET or modify it by pressing the volume button or « + » or « - » and validate to the selected entry. The other input can be configured as the first, or not, the same way, otherwise the display returns to normal.

• **mode** « **SET DIRECT** » :

this mode allows you to configure one or more entries in direct connection with the source.

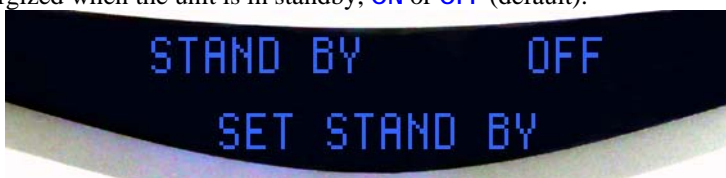
**CAUTION:** the signal level of this input is no longer attenuated by the preamplifier; its maximum level and is therefore likely to be excessive as the speakers to the listener!



Upon entering this mode, the input number flashes. To set this entry, press SET otherwise operate the volume button or « + » or « - » to go to another entrance. Right on the first line of the screen displayed is NO, meaning that by default, the input is not direct. By pressing the volume button or « + » or « - » display becomes YES and the selected input is then directly after sunset for validation and return to normal display.

• **mode « SET STAND BY »**

this mode gives the possibility to maintain the preamplifier circuits energized when the unit is in standby, ON or OFF (default).



The choice is made by pressing the volume button or the « + » or « - » on the remote. Validation is done by SET action after a few moments without modification.

• **mode « SET EDIT » :**

By this function you can rename each input on up to 13 alphanumeric characters.



Upon entering this mode, the input number flashes per share pending confirmation SET or choosing another entry by pressing the volume button or « + » or « - ». It is then the first character flashes; action on the volume button or « + » or « - » characters scroll until the choice is validated by the SET action. This action flashes the next character to the validation of its selection as the previous one.

Once all 13 characters (or spaces) selected and validated, the display returns to the choice of entry and in the absence of any instructions, valid in the configuration back to normal.

- **mode « SET LINK » :**

in this mode, it is possible to decide the priority given to Strumento No. 1 is as **MASTER** or as a **SLAVE** when connected to other AUDIA FLIGHT devices by connecting by AU-LINK.



**MASTER** priority is recommended for the preamplifier while the sources or their amplifier Audia Flight will switch placed near the taken-Link on the SLAVE position.

- **mode « LOAD DEFAULT » :**

This mode allows you to undo any configuration selected by the SET menu and so reset the device back in its original state at the factory.



The screen is awaiting confirmation of the display by pressing **NO SET** to keep all configurations in the SET menu is obtained confirmation of **YES** turning the knob or pushing the volume buttons « + » or « - » on the remote control.

- The last mode in the SET menu is displaying the software version management **SOFT(ware)**.



## REMOTE CONTROL

You will find on the remote control all the functions on the front. The menu navigation is done with the « + » button that corresponds to the rotation of the volume knob clockwise or « - » button corresponding to the rotation of the volume knob in the opposite direction.

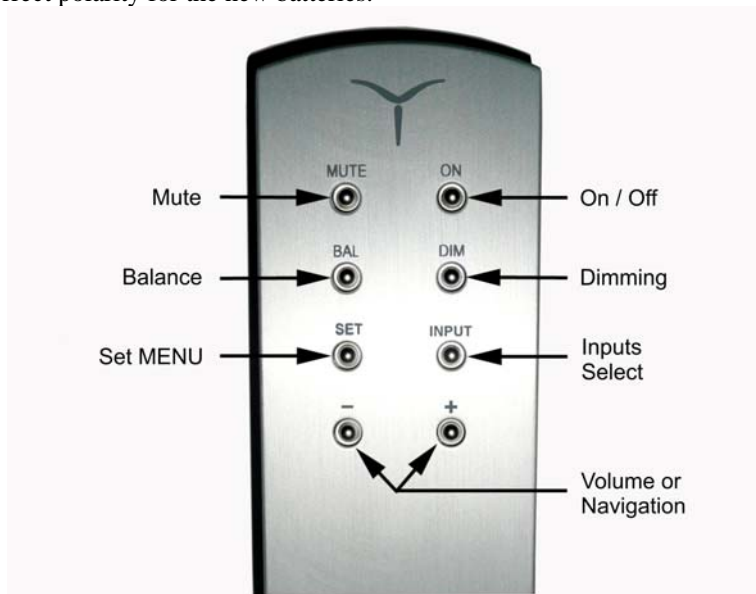
The remote control has a button « DIM » added to adjust the

- **brightness of the display :**

by pressing the « DIM » **DIMMING** the display on the bottom line followed by a number between 0 and 8 evaluate the brightness of the display. The action on the « + » button increases the brightness of the display on the screen to a maximum of 8. The action of the « - » key decreases the screen brightness to completely extinguish the minimum 0.



A reduction in the efficiency of the remote is a sign of low battery. To replace (2 x 1.5 V AAA), open the bottom of the remote control by loosening the screws using the tool provided and while observing the correct polarity for the new batteries.



### ***LISTENING TIPS***

Even if the unit has already been run in for 50 hours, during which conformity and operating tests are also carried out, we advise you to go on with the running in for 100 hours or more.

Remember that for running in is meant operating in presence of signal. The Strumento N.1 preamplifier is capable of revealing extremely subtle nuances and details of recorded music; to maximize the performance of your reproduction system, we advise you to optimize all associated components and interconnections.

### ***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 wetted microfiber cloth possibly to remove stains.



## *Technical Data*

Inputs	2 balanced XLR or unbalanced RCA + 3 balanced XLR
Outputs	2 balanced XLR and 1 unbalanced RCA
Gain range	from -90 dB to +10 dB, step 0,5 dB
Frequency response	1 Hz ÷ 1 MHz (1 W, -3 dB)
Slew-Rate	> 200 V/μs (on 8 ohms)
THD	< 0,05 %
S/N Ratio	105 dB
Input impedance	Balanced or Unbalanced: 15 kohms, 10pF
Output impedance	5 ohms
Main voltage AC	100, 110/115, 220/230, 240 V; 50/60 Hz
Power consumption	Power consumption max : 50W
Dimensions and weight	450 x 120 x 450 mm (wxhxd) - 28 kg
Shipping dimensions and weight	580x300x580mm (wxhxd) - 38 Kg

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