

# GRANDINOTE

MAGNETOSOLID® AMPLIFIERS



# GRANDINOTE ESSENZA

## USER MANUAL



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## INTRODUCTION

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**GRANDINOTE** congratulates with you for the excellent choice done, buying this exclusive amplifier, masterpiece of style and technology.

You listened the extraordinary musical characteristics of "Magnetosolid®" amplifiers: neutral tone, rich details and harmonics, high speed, big extension, big tight... without intermodulation distortion, with surprising dynamic range, insuperable coherence, natural sound...

These and other qualities are the result of studies and extensive research about the union and interaction of **solid** state components with ferromagnetic machines.

The fusion of the words: "Magnetic" and "Solid" is the born of "Magnetosolid®", the point of union of all amplifiers by Grandinote.

This exclusive product is increased at the top of music characteristics, thanks to **Magnetosolid-VHP** output stage, the result of the maxim application of **Magnetosolid®** technology.

**Magnetosolid-VHP** uses very expensive ferromagnetic components, builded on Grandinote's specificatons.

## PRODUCT DESCRIPTION

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**GRANDINOTE ESSENZA** is a full-dualmono stereo integrated amplifier. The two sections of the two channels are totally indipendent between them.

For this motive, Essenza need two power supply cables, one cable for each channel.

Grandinote Essenza by **Magnetosolid-VHP** technology claim musical qualities of tight and extension like solid state amplifier, preserving musicality, sweetly and naturality like valuable tube amplifier.



## SPECIFICATIONS

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- Stereo integrated amplifier
- Power for channel 37W (4 and 8 Ohm)
- Damping factor >230
- Frequency response 1,5Hz - 300 kHz
- Two unbalanced inputs RCA
- Two balanced inputs XLR (full-balanced)
- Balanced inputs XLR unbalanced convertibles
- Tensione d'ingresso di saturazione 300mV RMS
- Class "A"
- Direct coupling stages: without capacitors between stages
- No feedback
- Full dual mono
- Weight 40kg
- W=318 x H=196 x L=473 [mm]
- Voltage power supply 230V
- Absorption 270W
- **Magnetosolid®** Technology

## NOTE:

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These specifications will can change without the obligation to report, by Grandinote.



## WARNINGS

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For the correct and sure use of this product, Grandinote recommends the study and the application of this warning list.

- Don't open the device.
- Don't turn off and turn on quickly the device.
- Before connecting/disconnecting cables, turn off the device and wait one minute.
- In case of malfunction, contact Grandinote's assistance.
- Don't close the vents of cooling of the device.
- Don't put objects or liquids in the vents of cooling of the device.
- Keep clean the aluminium dissipators with compressed air, or contact Grandinote's Assistance.
- Have care the device is supported by correct stand, in function of the weight of the device specified in this user manual.
- Don't strike and don't shake the device.
- Temperature range from 0°C to 35°C.
- Don't approach the device to water, acid, or dangerous substances.
- Don't put every object on the device.
- Clean only with a dry cloth, or slightly damp with water and neutral soap.
- Be sure the power supply net is correct with the device's specifications.
- Be sure the electrical load, on the output connectors, has the correct specifications for the device.
- Don't be short circuit between the connectors with other connectors, ground, the device's body or other potentials.
- Connect the inputs audio, only to appropriate and properly functioning audio sources.
- Don't put potentials or currents not appropriate in the device's inputs, only "LINE" signals.
- Handle the device with care, for don't damage it, or other things or persons.
- Use the device only for audio amplification and not for other applications.
- Keep the device away from pets, child or other people, who with an inappropriate use can cause damage.

**If you don't hear any sound,  
using speaker wires with fork connectors,  
check that the fork connectors make contact with the gold parts of the output connectors  
of the device.**



## CONNECTIONS - REAR PANEL

In the **PICTURE 2**, we see the device's input-output connectors.

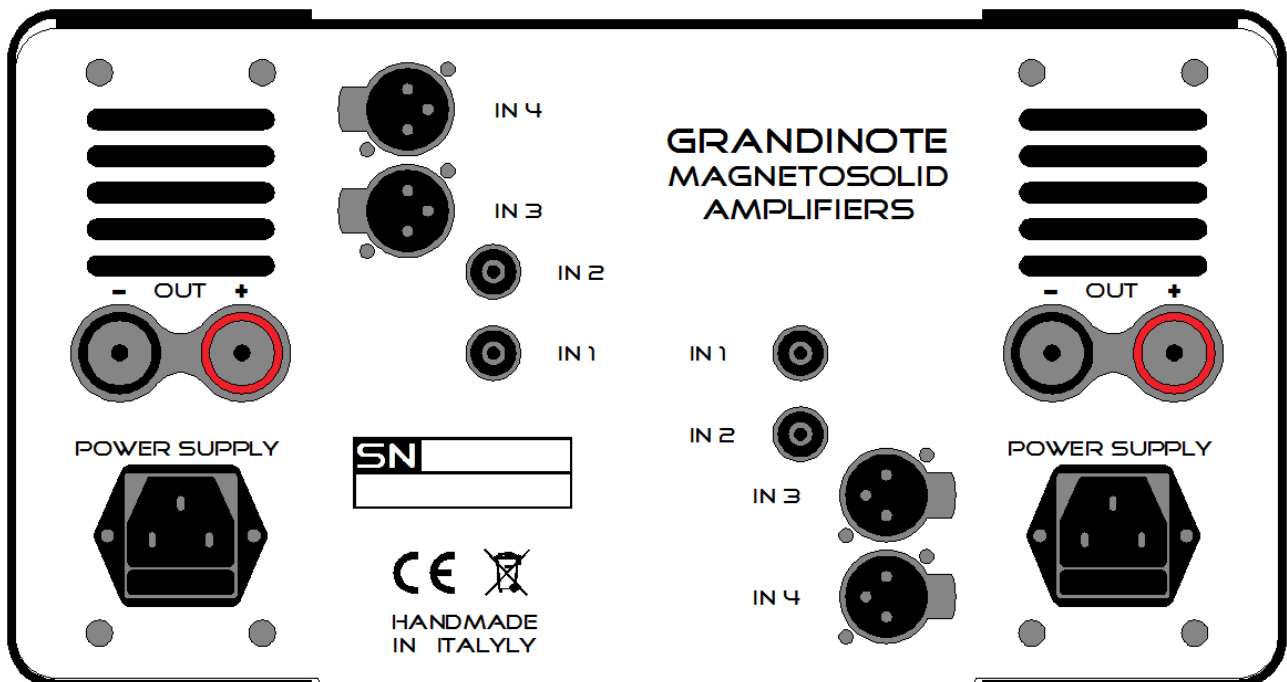
Input one and input two, called **IN1** ed **IN2**, are unbalanced RCA.

The other inputs, **IN3** ed **IN4** are balanced XLR (full balanced).

The balanced inputs XLR can be converted in unbalanced inputs. The procedure is illustrated in the chapter **INCREASE UNBALANCED RCA INPUTS**.

In the lower right and left of the picture we see the IEC connectors for the power supply, with their protection fuses. For every channel, there is one power supply connector.

In the middle right and left of the picture we see the output loudspeakers connectors.



PICTURE 2: REAR PANEL



## FRONT PANEL

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In the **PICTURE 3**, we see the device's front panel.

The display is in the middle of panel, below it the power supply switch.

**(Don't turn off and turn on quickly the device)**

To the sides of display we see six buttons for the total control to the device. The control is possible also with remote control.

The three right buttons are for the volume regulation, the left buttons up and down are for the input increase and decrease. The left button in the center is for the device's configuration.

In the next pages of this manual, we will deepen the device's configuration.

NOTE: switching from input 2 to input 3 can cause a little "glitch", because the device changes configuration (unbalanced/balanced). This is for the extreme essentiality of their circuits, to the advantage of the natural sound.



**PICTURE 3: FRONT PANEL**



## REMOTE CONTROL

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In the **PICTURE 4**, we see the device's remote control.

- In the top left: input increase
- In the down left: input decrease
- In the top right: volume increase
- In the middle right: mute management
- In the down right: volume decrease

To replace the remote control battery, insert a tip in the apposite hole in the remote control back and press, to the keyboard board remotion.

So replace the battery and repute the keyboard board in the remote control chassis.



**PICTURE 4: REMOTE CONTROL**





## SETTINGS

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Going in program settings, it will be possible to personalize some functions.

To start program setting, press **PRG** key.

The display visualize the first setting. Press **PRG** again, for to confirm and pass to the second setting, until the last setting.

To the last setting, press **PRG** for to confirm and go out of program settings.

The sequence of the settings is:

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## INPUT'S VOLUME

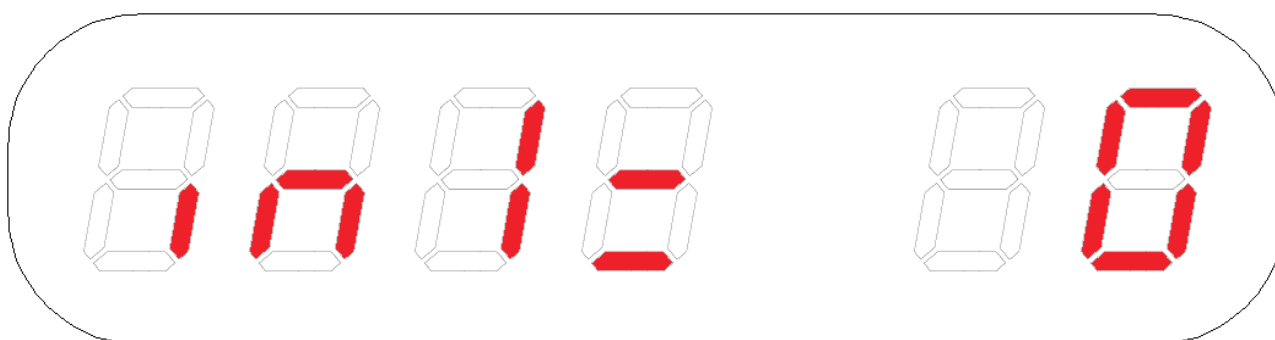
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The first 4 settings are for correlate a volume level to every input.

If volume level 20 is correlated to input 3, every time the input become 3, the device slowly increases the volume, arriving to 20.

The increase of the volume can be stopped, pressing any button.

Press **PRG**:



By **IN+** and **IN-** keys on change the value, from 0, to the max volume of the device.

By **PRG** key on confirm the value and on pass to the next setting.:

IN2 volume,

IN3 volume,

IN4 volume.

The modality settings are identical for every input.

The next pres on **PRG** key leads to the next setting.



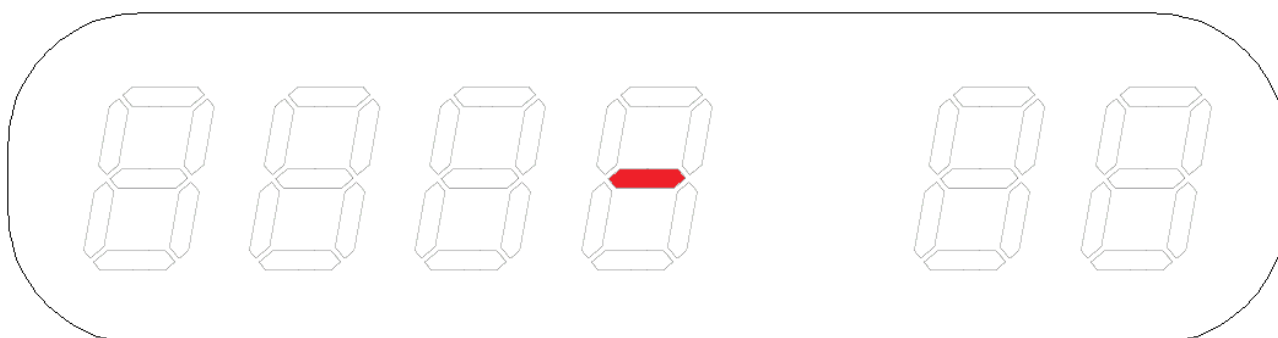
## BLACK DISPLAY

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This function is for the turn off the display in automatic, if the display don't changes for some seconds. When the utente press a button, the display turns on.

So, when the display don't will change again, the display will turn off again.

The "black" display is represented in this picture:



**PAY ATTENTION:** the any key pres changes the device's status and turns on the display.

Only the three concentric circles remote control key turns on the display, without to change device's status.

Press **PRG**, to visualize on the display "DISP" write:



By **IN+** and **IN-** keys on change the "ON" / "OF" status.

The next pres on **PRG** key confirms and leads to the next setting.

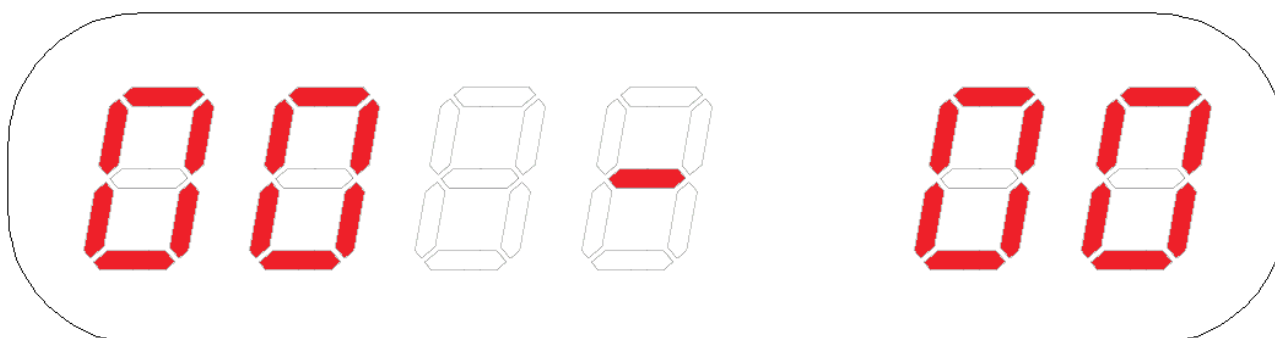


## BALANCE

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Balance is for different level of volume between the two channels.

Press **PRG**, to visualize on the display:



The up representation is for the same level for the two channels: the balance is totally excluded.

By **IN+** and **IN-** keys on change the value:

The level of the two channels changes and also visualisation on the display.

The next pres on **PRG** key confirms and leads to the next setting.

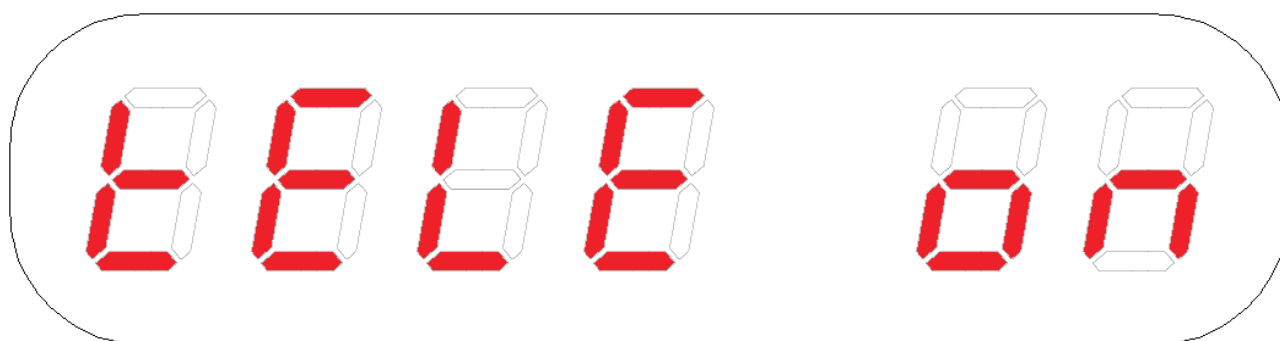


## REMOTE CONTROL OFF

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This setting excludes the remote control reception.

Press **PRG**, to visualize on the display "TELE" write:



By **IN+** and **IN-** keys on change the "ON" / "OF" status.

The next pres on **PRG** key confirms and leads to the next setting.



## TRASFORMARE L'INPUT ONE IN LINE OUTPUT

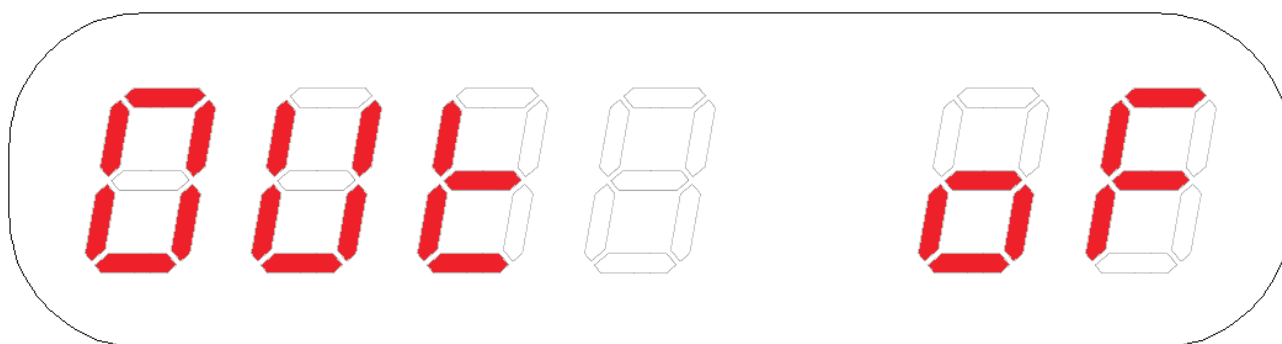
This setting switches the RCA connectors "IN1" from inputs to line outputs.

If "IN1" are configured like outputs, the total inputs are 3:

For default settings, 1 RCA and 2 XLR.

We can extend the number of RCA, by the settings in the next page.

Press **PRG**, to visualize on the display "OUT" write:



By **IN+** and **IN-** keys on change the "ON" / "OF" status.

The next pres on **PRG** key confirms and leads to the next setting.

**PAY ATTENTION:** For this setting, every time the setting changes, an special security code is required.

Only with the code to 23, the change to the setting is accepted.

With a code different to 23, the change to the setting is not accepted.



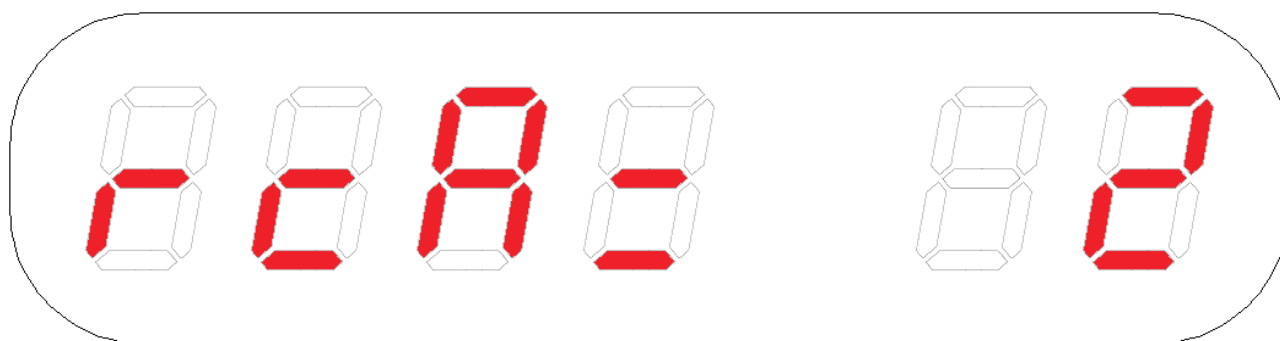


## INCREASE UNBALANCED RCA INPUTS

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This setting increases the number of unbalanced RCA inputs.  
Over the setting it's necessary to use a XLR/RCA adapter.

Press **PRG**, to visualize on the display "RCA" write:



By **IN+** and **IN-** keys on change the value, from 2, to the max of 4.

With 2, they are only the two RCA of the device.

With 3, the first XLR is unbalanced: use XLR/RCA adapter here.

With 4, also the last XLR is unbalanced: use XLR/RCA adapter also here.

The next pres on **PRG** key confirms the setting.

**PAY ATTENTION:** For this setting, every time the setting changes, an special security code is required.

Only with the code to 23, the change to the setting is accepted.

With a code different to 23, the change to the setting is not accepted.



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