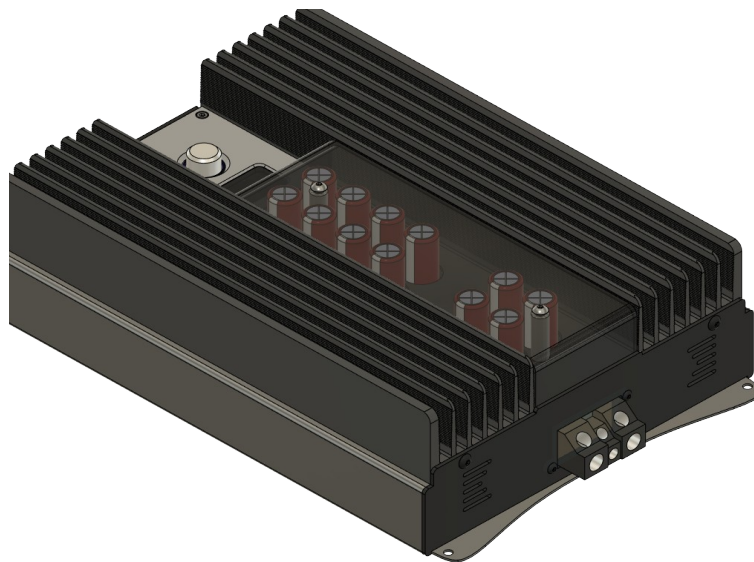
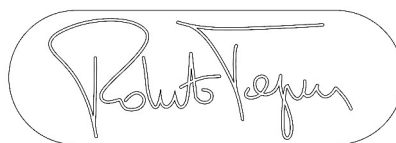




Quartetto

by



user manual



References

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Contacting Audio Solution:

Audio Solution

Via Firenze, 41-43

36070 – Castelgomberto (VICENZA)

ITALY

Email: info@audiosolution.it - & - audiosolution.sales@gmail.com

Web: www.audiosolution.it

Product information:

For product directly sold by Audio Solution send email to: info@audiosolution.it

For product sold by others do contact the reseller in your area.

Notice:

Audio Solution reserves the right to make improvements in the product described in this manual at any time and without notice.

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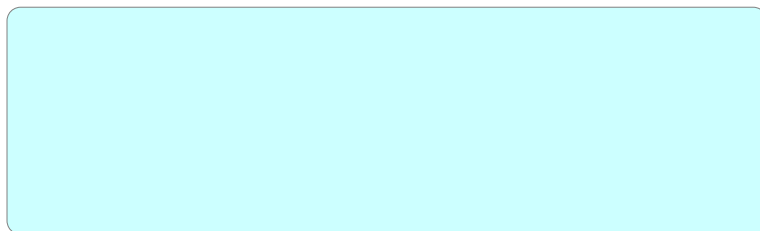
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WARNING!

In order to achieve the best performance of your amplifier and to work in safety way, it is essential to read this manual, which you can refer to in the future.

SERIAL NUMBER



This is the serial number of your amplifier, it is visible also in the “SYSTEM MENU” menu. It identify your amplifier and it is registered in our archives.

About amplifier

QUARTETTO

We congratulate you for choosing this really HI-END amplifier.

The amplifier you have purchased is a realization conceived by those who love music.

What is the "Quartetto" amplifier?

"Quartetto" is the natural evolution of our top of the range "Quattro".

It was created to provide similar performance at a more accessible price, while remaining faithful to the philosophy of achieving maximum sound quality.

It is the result of over 1 year of research and development to build a car amplifier with exciting performance.

Also for "Quartetto" the collaboration with Roberto Tognon was decisive.

His experience and knowledge of music do contributed to the creation and development of this project.

The "Quartetto" adopts innovative circuit solutions with top quality components specific for audio use and will allow you to enjoy your favorite music without losing any detail or nuance.

The excellent measurements and the very high reliability in very compact dimensions make the "Quartetto" the new reference for car audio amplifiers in its price range.

Product Overview

- SANKEN audio power stage
- High current power mosfet for single pair drive
- WURTH capacitors for power stage and for audio stage
 - Gold plated PCB
 - Nichicon MUSE audio capacitors
 - CNC milled chassis
- High quality gold plated connectors
- OLED display for manage settings
- Input sensitivity set by numbers or by voltage sensitivity



(All registered trademarks listed in this manual belong to their owner)

Technical specifications

Output power @4 ohm	4 x 125W rms
Output power @2 ohm	4 x 180W rms
Output power MONO @4 ohm	2 x 360W rms
Frequency response @ 1W	4Hz – 150KHz (-3dB)
THD+N (20Hz – 20KHz @ 1W)	< 0,01%
THD+N (1KHz @ 5W)	< 0,005%
S/N ratio	> 105dB
Min input signal voltage	1 Vrms
Max input signal voltage	10 Vrms (30Vpp)
Working power supply voltage	11 - 15,5V
Current draw (typical @ 4 Ohm)	20A
Current draw (max @ 4 Ohm)	40A
Idle current (typical)	1,8A
Input impedance	>20KOhm // 100pF
Display for monitoring:	Voltage IN
	Chassis temperature
	Channels level by number
	Channels level by sensitivity
	Firmware version
	Serial number
Overtemperature protection	85° (+/- 5%)
Dimensions	Length=320mm – Width=210mm – Height=85mm
Weight	4,8 Kg
Working temperature	0 - 50°

N.B. The data may vary without notice due to design adjustments or aesthetic changes.

Install the amplifier

Power supply connections

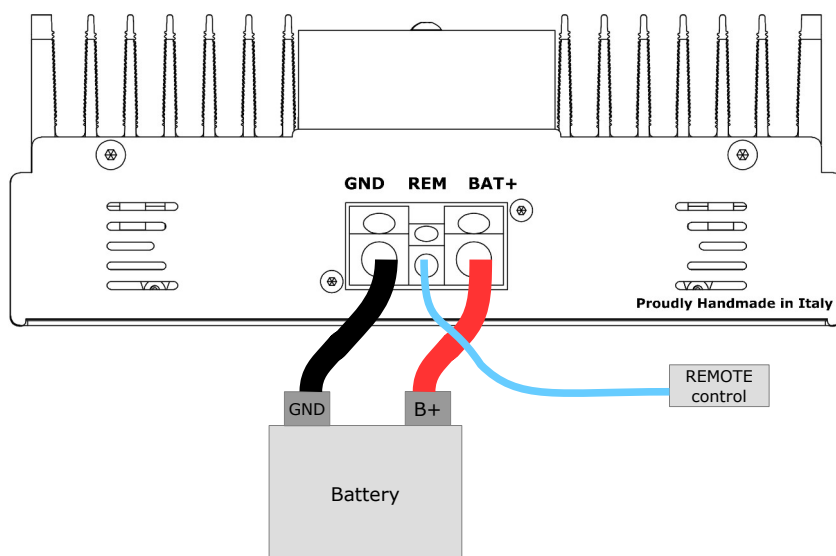


Fig.1

BAT+ – Connect to the positive clamp of the battery.

GND – Connect to the ground of the car (chassis or battery GND clamp).

REM – Connect to the remote control of the audio source.

IMPORTANT NOTES:

- Please do use at least 12mmq (6 AWG) power cable for the B+ and GND.
- Near the positive battery pole, within 30-40cm, it is necessary to mount a fuse, better waterproof if the battery is housed in the engine compartment.
- The ground connection is normally done by connecting the amplifier's "GND" terminal to the car chassis, when you do this, make sure you find a safe and reliable grounding point, if necessary, remove impurities, paint residues etc. to ensure the better contact.
- Install the amplifier away from temperature-sensitive components.
- keep at least 5 cm of air above the amplifier.



Speakers and signal connections

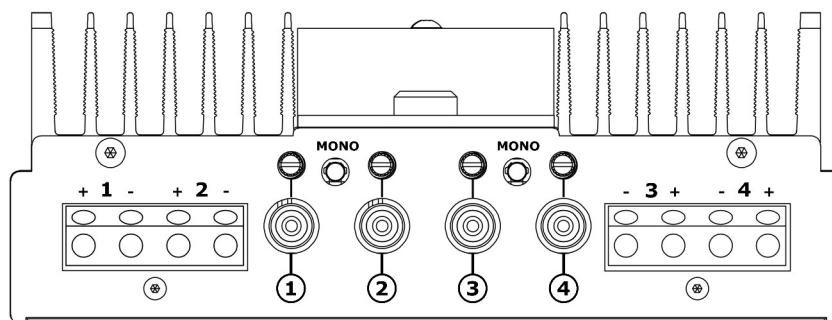


Fig.2

INPUT – RCA connectors for audio signals input (channels 1-2-3-4).

OUT 1 – Speaker connectors for channel 1, (+) positive and (–) negative, minimum load 2 Ohm.

OUT 2 – Speaker connectors for channel 2, (+) positive and (–) negative, minimum load 2 Ohm.

OUT 3 – Speaker connectors for channel 3, (+) positive and (–) negative, minimum load 2 Ohm.

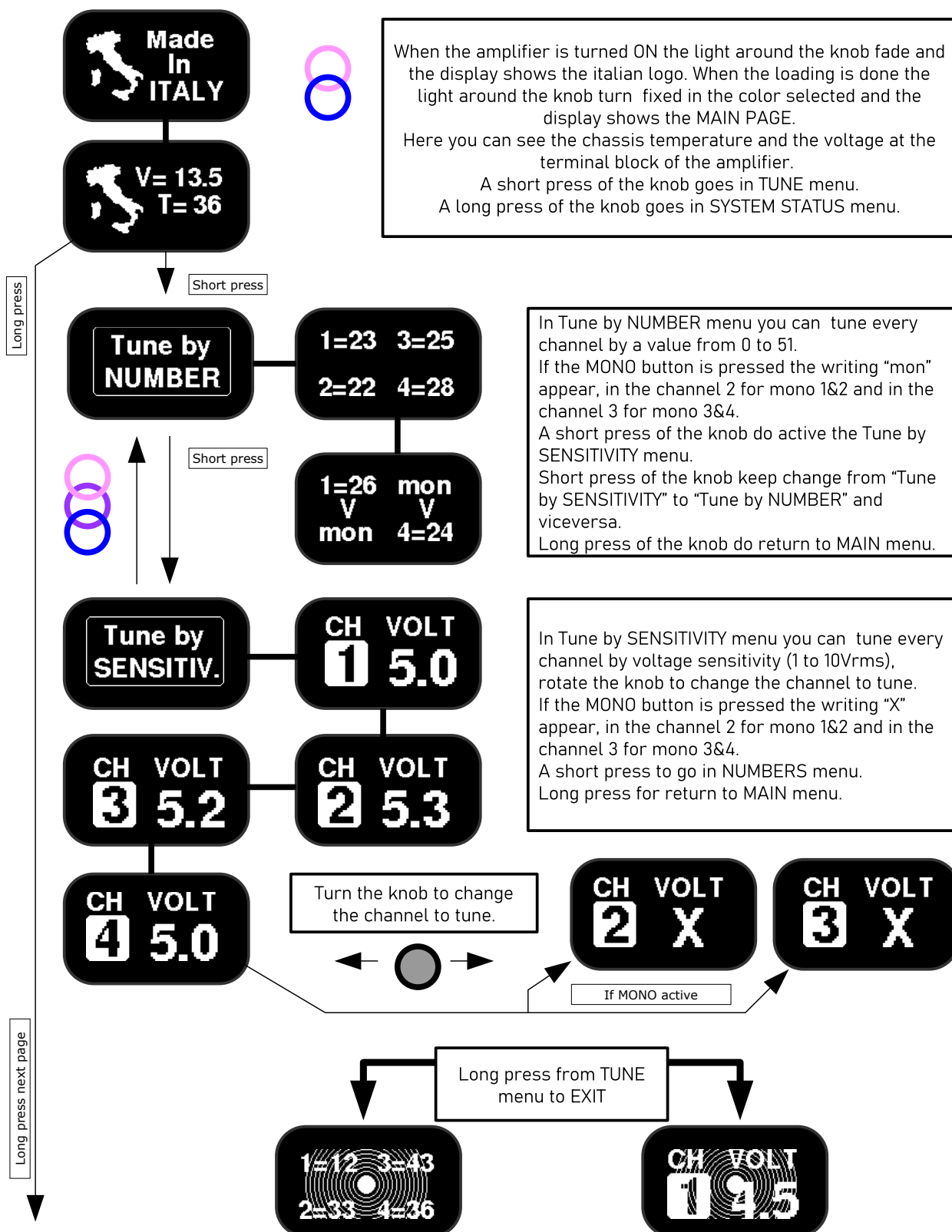
OUT 4 – Speaker connectors for channel 4, (+) positive and (–) negative, minimum load 2 Ohm.

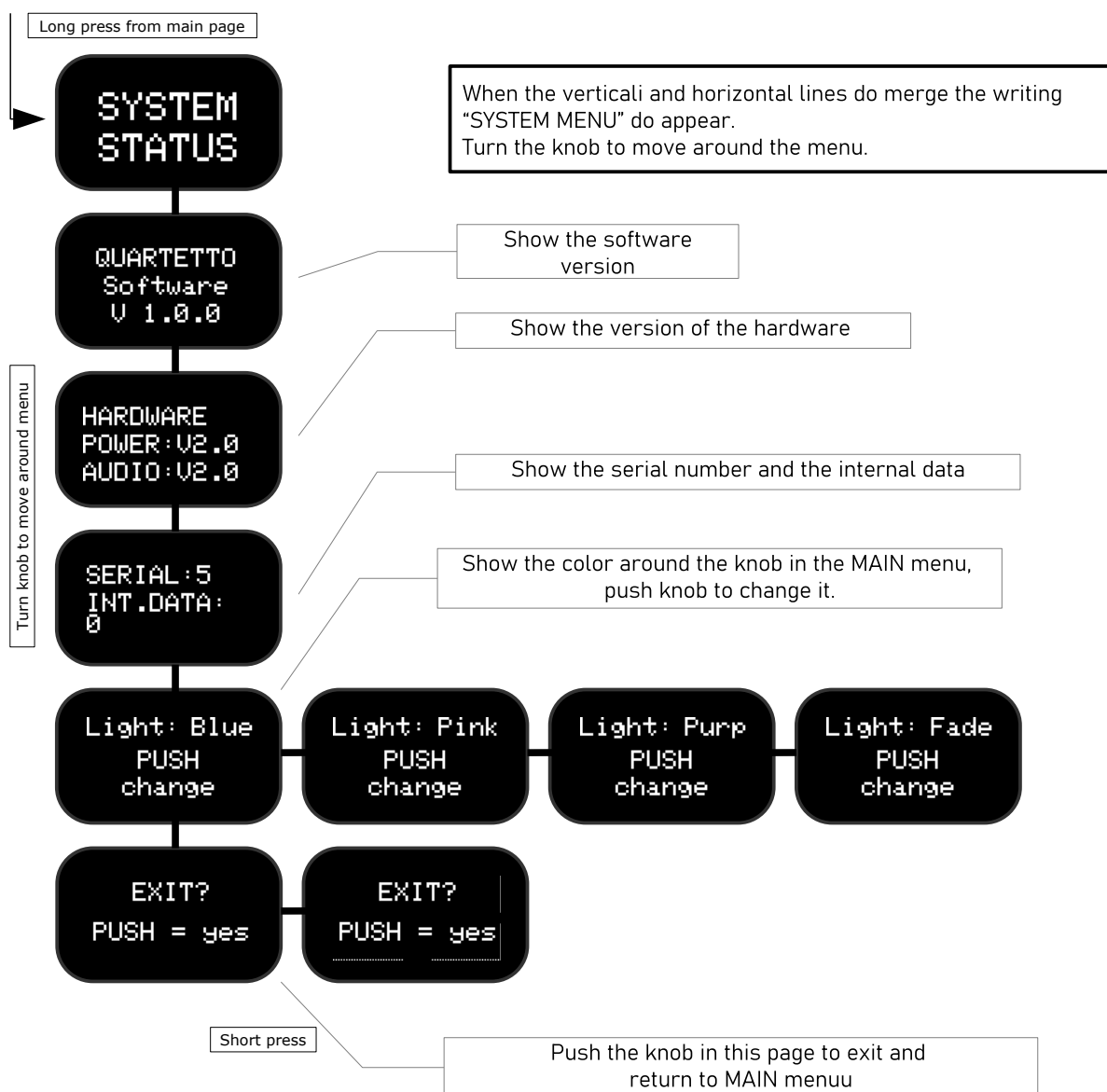
Proper installation guarantees better performance, follow these notes for installation.

- Use only shielded cables to connect the audio signal between the car radio and the amplifier, it is not necessary to use very expensive cables, but do NOT use bad cables!
 - The use of good quality RCA connectors guarantees a good contact, lasting over time and reliable even after several operations of insertion.
 - Shielded cables must be kept at a minimum distance of 10cm c.a. from any generators of car noise, such as power units, pumps, cables, etc.
- For power connections use only good cables, of suitable sections and protected in the engine compartment. The cables for car-audio applications are very flexible and therefore easy to install.
- Carefully take care of the laying of the cables and operate in order to follow different routes to signal cables from power cables.
- It is a good idea that the GND ground of the amplifiers is connected to the same point, together with the audio source's one.
 - Fix the amplifier securely, to avoid its movement and then the cables jostling.
 - The top side of amplifier has to have free air around, at least 10cm.
- A well-designed and equipped system may involve the collection of various devices, if this happens, ensure adequate ventilation of the place where the amplifiers are installed **perhaps with the aid of an additional forced air flow by a fan inside the various compartments.**

Amplifier settings

The amplifier is controlled by the main round knob and the LCD display, following these sequences:





Security rules



**This amplifier is designed to work only at 12V DC from the car battery,
do not attempt to power it with AC or different votages!**

Install the device in a solid way that does not affect driver's guidance

Do not place the device in very hot places (such as the engine compartment).

Make sure that the installation location is not subjected to high humidity and / or splashes of water.

Perform solid and safe connections, using only cables of adequate section and type.

It is absolutely essential to install a fuse of adequate value near of the battery.

**In the installation / uninstallation and maintenance operations it is absolutely necessary
To remove the fuse located near the battery.**

**If the device is subjected to severe shocks that could visibly damage the chassis
let it be viewed by the service center or by a professional installer.**

**Keep the device clean and do not obstruct normal chassis ventilation,
do not use aggressive detergents for cleaning.**

**The maintenances allowed to the user are set sensitivity, display setting and the replacement of the fuse with
identical characteristics,
(to be performed as described in the "Diagnostics" paragraph).**

Product warranty

Audio Solution covers this warranty product for a period of one (1) years, the retailer's receipt will be valid.

Should malfunctions occur due to defects in construction, the device will be repaired by the Audio Solution (or delegates) at no cost to the customer, who will spend only the shipping costs.

It is essential, to take advantage of the guarantee, that the product is returned to your retailer with the receipt or invoice that proves the date of purchase.

The product that will be returned to the Audio Solution will be repaired in any case, charging the cost in case the guarantee is discovered.

The guarantee is not valid in the following cases:

- The product is damaged by incorrect use.
- The product is subject to accident or altered.
- The product has not been repaired by Audio Solution or delegates.
- The product has been connected / installed incorrectly.
- The product was intended for wrong use.



Proudly handmade in ITALY

Audio Solution – Via Firenze, 41,43 – 36070 – Castelgomberto – (VI) – Italy

Tel (+39) 0445-826825

Website: www.audiosolution.it

Email: info@audiosolution.it - & - audiosolution.sales@gmail.com