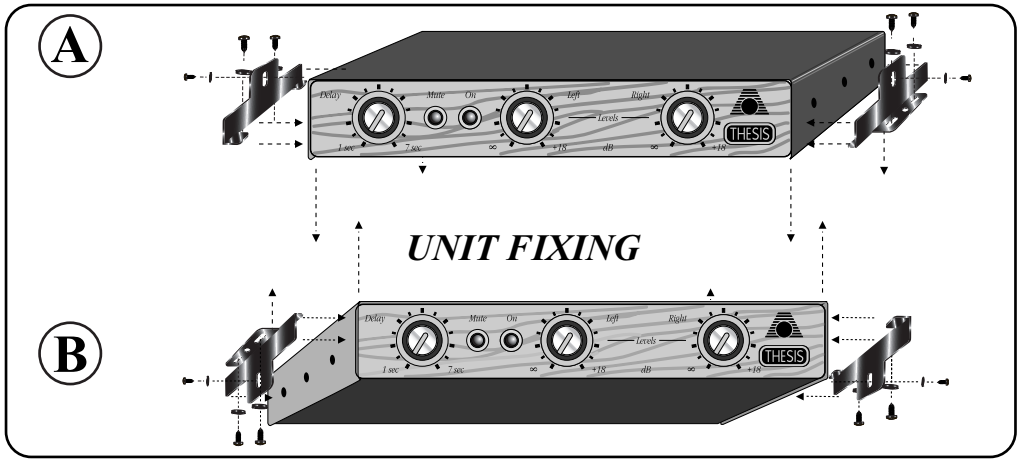
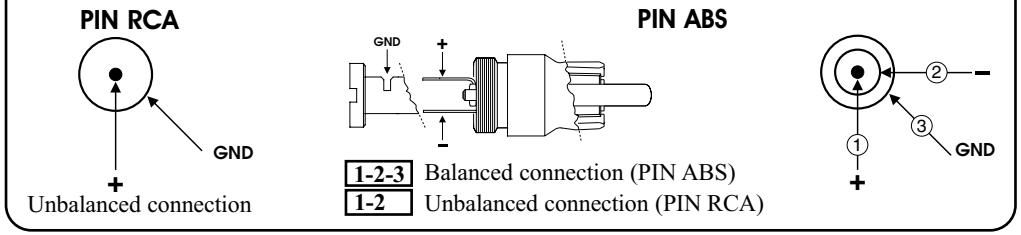
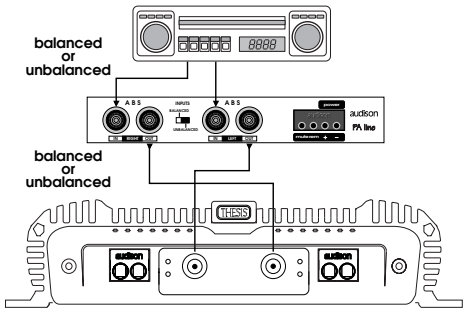
TECHNICAL FEATURES	
POWER SUPPLY	11 ÷ 15 VDC
ABSORPTION	0,35 A
MAXIMUM OUTPUT LEVEL (10 KOhms; 0,3% T.H.D)	14 VRMS (bil.: ± 14 V)
T.H.D. DISTORTION (90% of maximum output level)	0,01%
BANDWIDTH (- 3 dB; 1 VRMS output on 10 KOhms load)	4 Hz - 350 KHz
VOLTAGE GAIN	18 dB (AV = 8)
SENSITIVITY (for 5 VRMS output)	0,625 VRMS
INPUT IMPEDANCE	12,5 KOhm
OUTPUT IMPEDANCE	30 Ohm
SLEW RATE	30 V/uS
S/N RATIO (5 VRMS output)	110 dBA
REMOTE IN	3 - 15 VDC
MUTE IN	GND; 3 - 15 VDC
MUTE DELAY	1 sec ÷ 7 sec (regol.)
DIMENSIONI (BxAxL)	198x31x114 mm



ABS (Audison Balanced System) SYSTEM CONNECTIONS



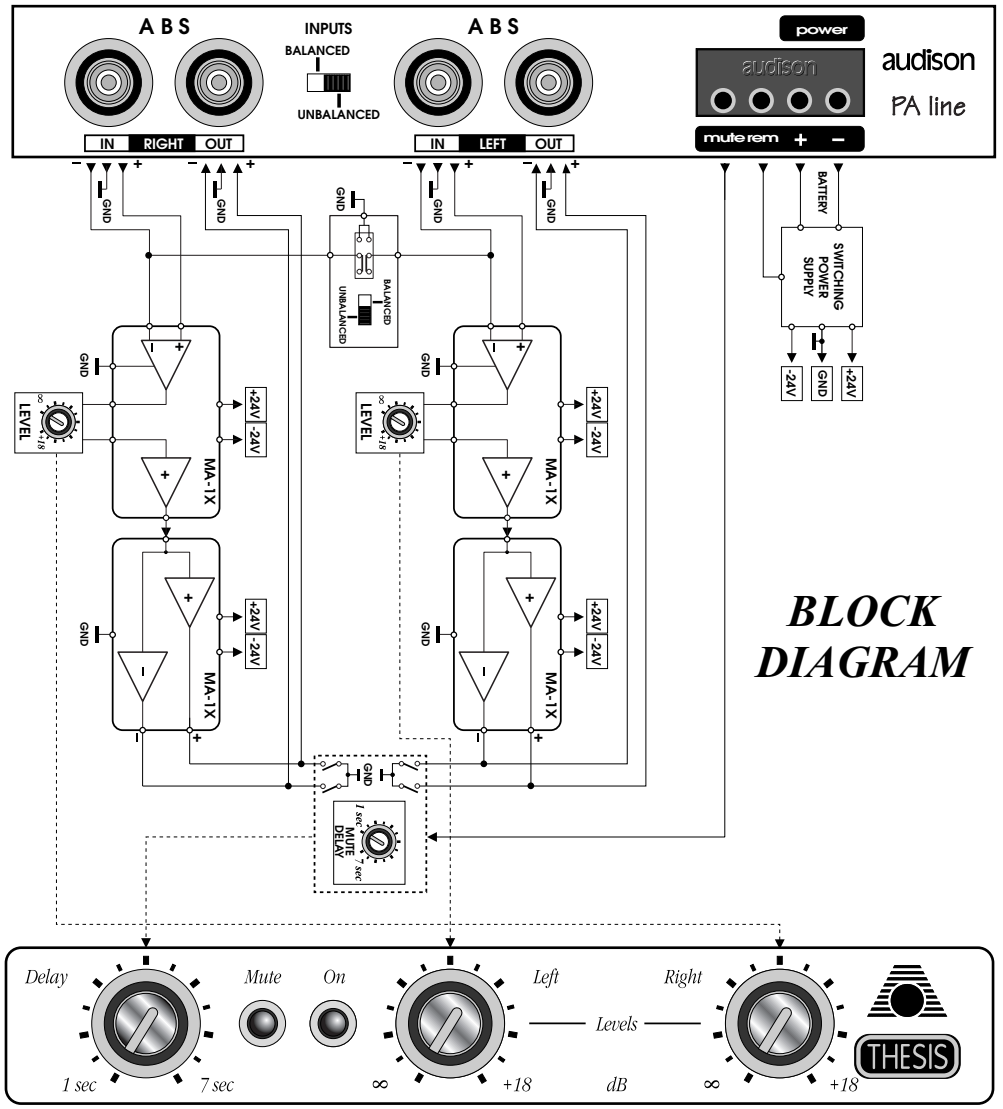
PA-LINE
Installation example



audison

OWNER'S MANUAL
Car audio preamplifier

PA line



BLOCK DIAGRAM

Cod. 10124200

elettromedia - 62018 Potenza Picena (MC) Italy • Tel. +39 0733 870.870 • Fax +39 0733 870.880 • **www.audison.com**

FEATURES

PA Line is a line preamplifier and a balanced/unbalanced converter designed to answer various compatibility exigencies with other devices.
Thanks to its high voltage and to its low output impedance, **PA Line** allows to interface the source with the loudspeakers at the best and to drive very complex transmission lines. This device is provided with an electronic switch which allows to choose the inputs balanced or unbalanced configuration. The inputs and outputs balanced or unbalanced connection can be effected through the use of PIN RCA and PIN ABS connectors. The device has an internal muting handled by a timer whose adjustment can be made externally. This allows the signal generated by the **PA Line** to be blocked a bit longer than the internal muting of the amplifiers; in this way it is possible to have the contemporary functioning of the musical signal when the amplifiers are turned on. Amplification is effected by four MA-1X modules realised with hybrid technology and supplied with ± 24 VDC; the internal power supply is provided by a switching power supply with a working frequency of 200 KHz in order to avoid toggling noises enter the audio band. As a matter of fact, **PA Line** has a bandwidth which goes from 4 Hz to 350 KHz, an output level equal to 14 VRMS and an output impedance of 30 Ohms.
These features allow **PA Line** to have absolutely HI-END performances and make it an ideal driver for **THESIS** line products.

PRECAUTIONS

In order for this device to function properly, it is important that it is installed in a spot where temperature is between 0° C and 55° C.
Power supply voltage is 12 VCC with negative to ground. Make sure that the characteristics of the vehicle electrical system are compatible with this device.
For a safer driving we advise you to listen to music at a volume level which won't drown external traffic sounds.

INSTALLATION

For mounting, please put the metallic supports in their special places, by fixing them through the 4 screws and relative protective plastic rings. In order to obtain a very good result we suggest using **audison cable** products which include: power cables, signal cables, RCA and ABS connectors and all accessories necessary to complete the wiring.

WARNINGS

If the radio cassette player doesn't share the output GND with the chassis, the braided shield of the shielded cable has to be connected to the radio cassette player chassis. If you hear saturation phenomena at a low volume level, it means that a distorted signal is coming from the radio cassette player. Turn radio cassette player down until there is no longer any distortion. Then adjust the calibration levels of the amplifier until you can hear only light saturation phenomena.
In order to obtain the best acoustic results with PA Line it is very important to keep the amplifiers sensitivity at the minimum (low volume); then you have to operate on the PA Line volume controls in order to obtain the highest power.