

Sinfoni

For Music Lovers

***AMPLI*tude 60.1** **High Definition**



MADE IN ITALY

Owner's Manual

Preface

First of all, we would like to congratulate with you for your choice of our Sinfoni AMPLitude amplifier.

If you are reading this short introduction instead of madly flick across the pages of this handbook looking for features like the weighted noise or the T.I.M., then maybe we have hit the target to unveil a little bit of the philosophy of our laboratories.

In fact, you will not find these figures among the characteristics of our products mainly because it is our firm conviction that it is impossible to value such a product only on the basis of plain numbers.

It would be like guessing the taste of a dish reading just the list of its ingredients.

Only after a suitable "tasting" you will realise the striking sound properties of our products, and you will appreciate their transparency, their musicality, their depth and all other aspects that probably, as a Sinfoni purchaser, you already know.

Try to describe it with cold technical parameters, if you can!

In order to get the utmost from our products, we recommend you to use only high-quality components and cables: with a few adjustment every Sinfoni amplifier will give you unexpected emotions and sensations.

We kindly ask you to follow the indications mentioned in this handbook, and we wish you to enjoy Music at best.

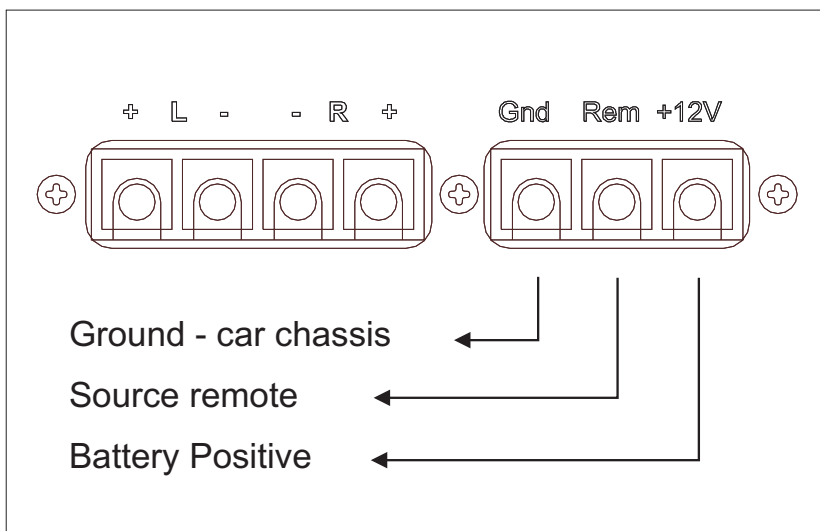
Installation Procedure

POWER SUPPLY

The Sinfoni car amplifiers are designed to work with a 12 volts DC power supply, however they allow +/- 3 V voltage excursions.

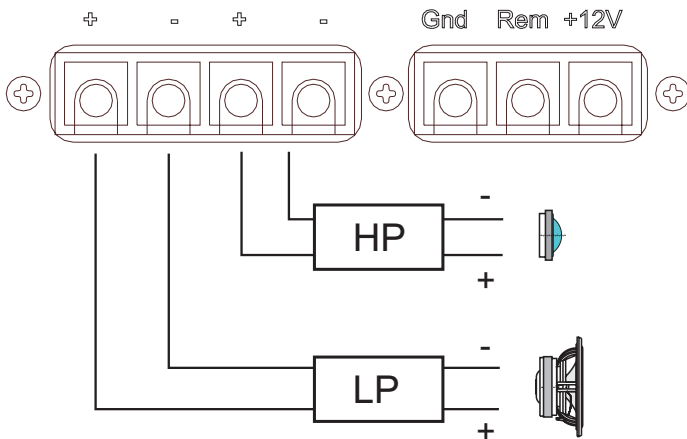
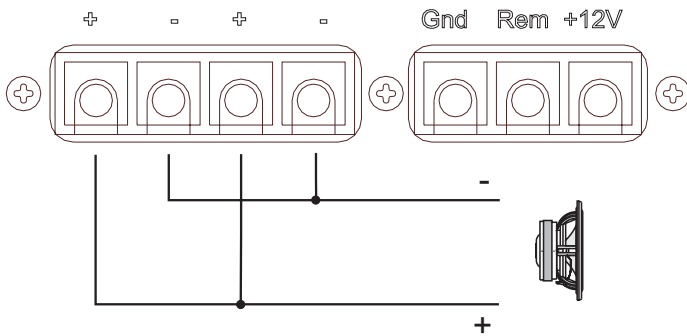
Power Supply cables must be of a suitable gauge, keeping in mind that the negative one must be connected to the ground in the nearest point of the car chassis, while the positive one must come directly from the battery. If the distance from the battery to the apparatus is quite long, then it will be necessary to use thicker cables, in order to avoid any performance loss: we suggest your installer to use at least 6 mm² good quality OFC cables.

The REM input (remote) must be connected to the remote output of the source, which must provide at least a 60 mA current, for every installed Sinfoni unit.



CONNECTING LOUDSPEAKERS

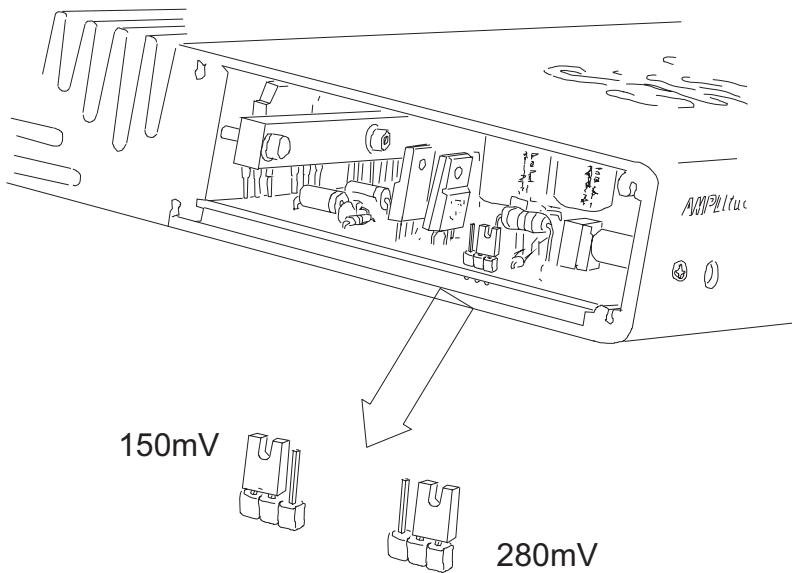
The standard load impedance fitting to the amplitude series is 4 Ohm, but these amplifiers are fearless of a lower impedance like the one of three way systems and highly reactive loudspeakers. Connecting a 2 Ohm load is not a problem, so much so that every piece getting out from the assembly line must overcome a test in which it must supply 80 continuous watts into a 2 Ohms load covering all the audible frequencies for a period of 15 minutes. It is also possible to lower the load to 1 Ohm, in such a case, a suitable ventilation must be provided, as well as an adequate power supply cable, due to the strong impulsive current, ranging between 20 and 50 A.



INPUTS

The input load is 48 Kohms, and its maximum sensitivity is 280 mV RMS lowerable to 8.5 V RMS, therefore it perfectly matches any source, including those that provide a 4 V pre out (1.4 V RMS). The regulation is achieved rotating the input potentiometer with a common screwdriver.

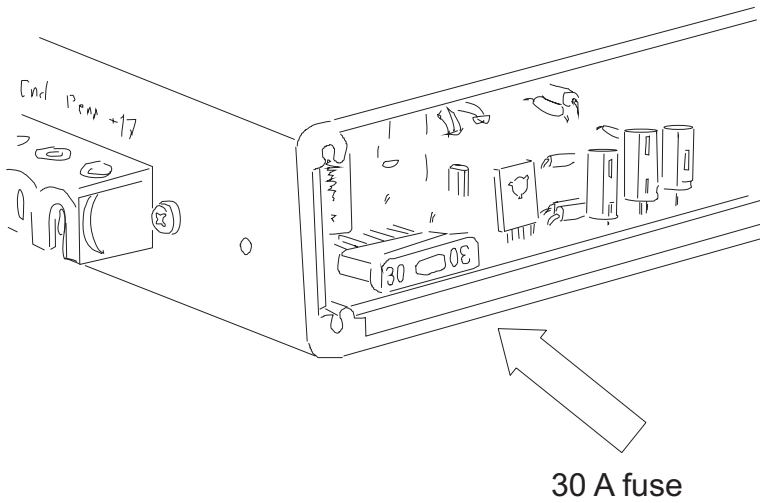
In case of a weak source it is still possible to drive the amplifier adjusting its sensitivity to 150 mV RMS by means of a jumper located inside the chassis behind the left side.



LIGHTS and PROTECTIONS

The LED nearby the power connector reports the Remote signal, internally, just behind the LED, you can find a 30A fuse that you can reach only disassembling just the amplifier's side, in any case, its break is to be considered as an unlikely event, due only to a serious failure, possibly caused by an improper use of the amplifier.

We suggest to use a good ventilation if the load is particularly low even if working at high temperatures is not dangerous for the amplifier, anyway at 82°C the thermal protection disconnects the speakers.



Specifications

| | |
|--------------------|-------------------------------|
| Power Supply | 9-15 VCC |
| Stand-by Current | < 2 A |
| Input Sensitivity | 0,28 - 8,5 V |
| Input Impedance | 48 KOhm |
| Output Power: | |
| 4 ohms @ 12V/14,4V | 60/98 watts |
| 2 ohms @ 12V/14,4V | 100/150 watts |
| 1 ohm @ 12V/14,4V | 145/220 watts |
| Frequency Response | +/- 1 dB from 10 Hz to 30KHz. |
| S./Noise Ratio | > 90 dB |
| Dimensions | 315mm x 187mm x 40mm |
| Weight | 3,5 Kg |



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