

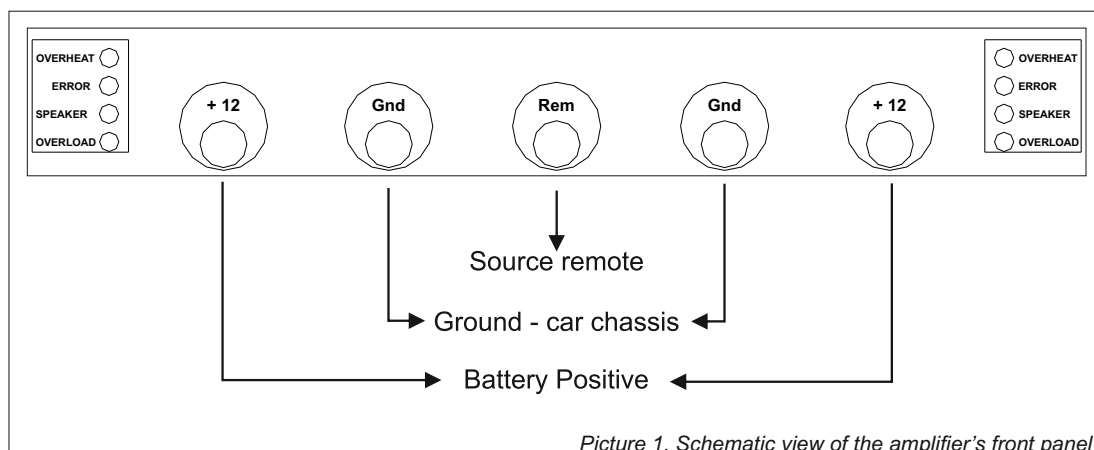
INSTALLATION ADVICE

Power Supply

It is very important to use suitable cables to connect **Desiderio** to your system. We advise you to connect the negative pole to a good ground on the car chassis as close to the amp as possible. Connect the positive pole directly to the battery. We suggest you use at least 1 AWG good quality OFC power cables.

Internally there is no link between the two amplifiers. This means that both 12 V and GND terminals must be connected to the power supply externally.

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



Picture 1. Schematic view of the amplifier's front panel

Inputs

The input load is 47 Kohms and its sensitivity is adjustable from 400 mV peak - peak (150 mV RMS) to 8 V peak - peak (2.8 V RMS), therefore it perfectly matches any source, including those that provide a 4 V pre out (1.4 V RMS). The input level can be regulated by rotating the input L & R potentiometers with a common screwdriver. Please notice that this device is also equipped with a Balanced input.

Connecting Loudspeakers

The suggested speaker impedance for this amplifier is 4 Ohm, but this amplifier is fearless of a lower impedance. Connecting a 2 Ohm load or 1 Ohm load does not represent a problem.

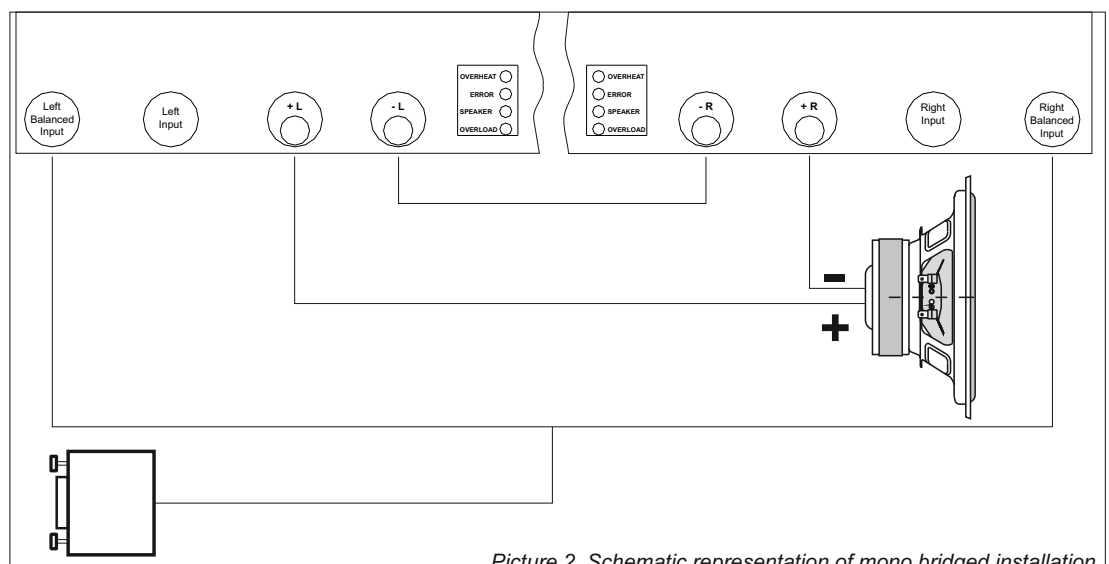
Suitable ventilation must be provided, as well as an adequate power supply cable, due to the strong impulsive current, ranging between 80A and 120 A.

Mono Input

The mono input is achieved only through the balanced inputs by using the RCA to XLR adapter cable provided with the amplifier. A mono connection, using the RCA inputs is not possible.

For bridged installations **-L** must be connected to **-R**, the **+R** becomes the negative pole to connect to the subwoofer.

Please look at the schematic below for a better understanding.



Picture 2. Schematic representation of mono bridged installation

Lights and Protections

The coloured leds, placed on the front panel give precise information on the type of fault or problem the amplifier has encountered.

The orange (ERROR) led turns on every time a fault or a problem is found. In addition to the ERROR led another one will turn on indicating the status of the amplifier.

- | | |
|------------------|--|
| Red - Overheat | The thermal protection prevents the amplifier from exceeding 90°C, in case of over-heating normal operations may continue only after a temperature decrease of 10°C. |
| Yellow - Speaker | If one of the two amplifying stages should, for any reason, have a failure, the amplifier will interrupt the output signal to prevent damage to connected speakers. If this error should appear technical support is needed. |
| Green-Overload | The overload protection is able to detect if the load impedance connected at the output is too low. Only if the load is correct the amplifier will resume normal operations. |

On the top, just behind the Plexiglas cover, you can find two fuses (80A each) easy to reach by carefully removing the screws holding the Plexiglas. A fuse blowing is to be considered an unlikely event, due only to a serious failure, possibly caused by an improper use of the amplifier.

General Specifications

Power Supply	9-15 Vcc
Dimensions	516mm x 415mm x 104mm
Weight	18,3 Kg