

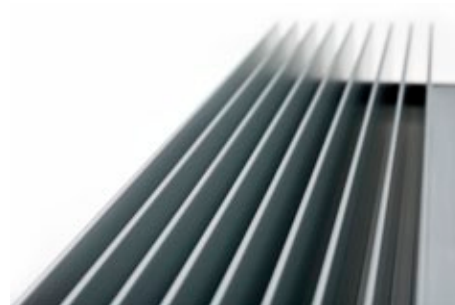


PRODIGIO



AMPLIFIER **PRODIGIO**

for music lovers



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



Character and personality, together with the reliability which ever since elevates our products from the others, make out of this amplifier something special and unique, an esoteric and intriguing mixture.

The appeareantly circuital simplicity of this amplifier in truth wants to be a challenge to the creativity and to the talent of the listener. A true thoroughbred, its sound will move you at a point you will not want to stop to listen to music. Ashiver along your back will accompany all your listenings.

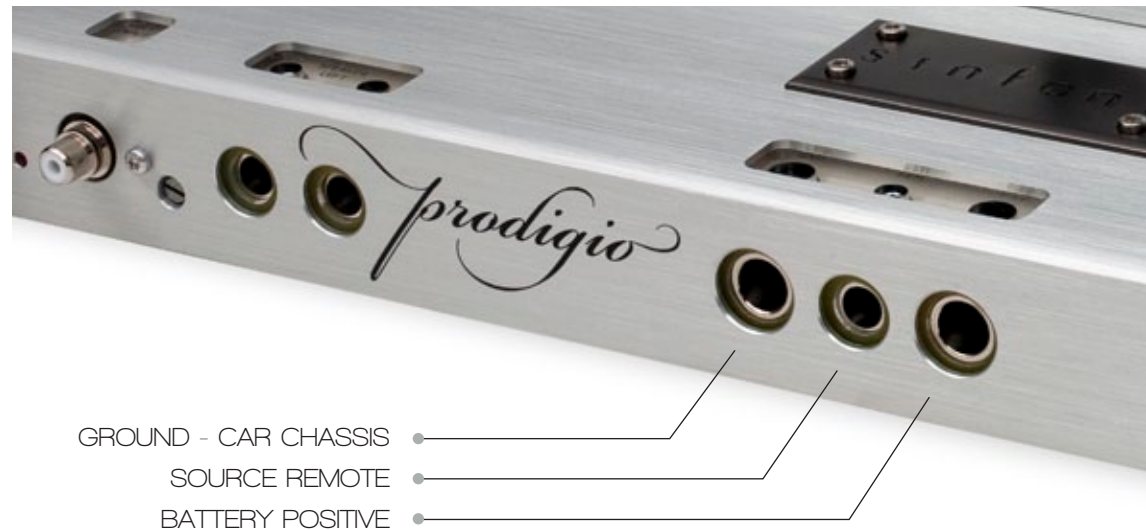
The power supply and amplification stages are buffered with multiple and large capacitors. Only carefully selected components, a very precise component location combined with large and short signal tracks are part of the secret of this powerful amplifier. A perfect heat dissipation is guaranted through a very well shaped heatsink, which binds together elegance and technique, manufactured from an aluminium extrusion, like the front and the rear chassis, which is brushed and then anodised. Two massive caps complete, in a very refined way, the chassis and offer at the same time, through provided brackets, a valid and solid anchor support.

Before the amplifier is released for sale it must undergo a last test to show if it will be able to work well in almost every condition. Every single amplifier is driven to the maximum power, for not less then 15 minutes, connected to a resistance load of 4 ohms for each channel, sendingas input a sinusoidal signal from 20Hz to 20kHz. Together with a valid quality control process, this test gives us the certainty to offer ourcustomer a product which has a superior quality and is extremely reliable.

The Sinfoni car amplifiers are designed to work with a 12 volts DC power supply, however the voltage can range between 11V and 14.4V.

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 device 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 6mm² 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.



In the following pages you can find several configuration examples to show possible installations using this amplifier.

Only the creativity and the ability of the installer can tell what system is the best solution for your needs, a lot depends on the musical result you want to achieve and on the acoustic characteristics of your specific vehicle. Therefore we suggest to always cooperate with professional and trusted installers.

Because of the particular nature of this amplifier it is important to remember the constant power absorption, between 7A and 8A; we advice the use of well suited batteries that can guarantee prolonged listenings with the engine switched off.



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MONO SYSTEM



SAME AS
OTHER
CHANNEL

11 12

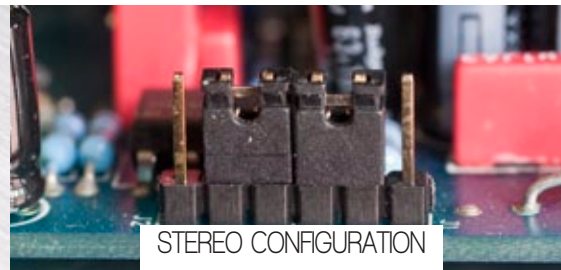
MONO SUB SYSTEM



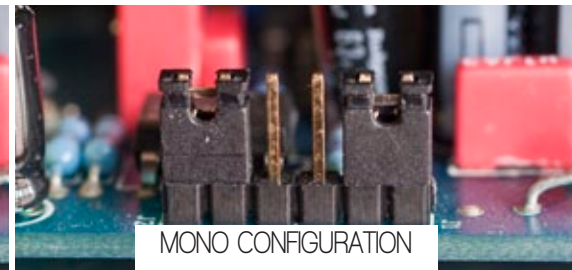
LOW PASS

The input load is 48 Kohms, and its sensitivity is adjustable from 400 mV to 10 V; therefore it perfectly matches any source, including those that provide a 10 V pre out. The regulation is achieved rotating the input R & L potentiometers with a common screwdriver.

The most common reason to use a monophonic input is to use the amplifier in a bridged configuration. Some examples are shown inside this handbook. To configure the amplifier for mono two jumpers, located inside the amplifier, must be set, therefore the right cap, near to the R input, must be unscrewed. On the picture on the right the two possible combination are shown. When in mono modus the negative poles of the speaker connectors (- R and - L) must be connected together, use at least a 6 mm wire. For what the signal input is concerned a Y cable must be used.



STEREO CONFIGURATION



MONO CONFIGURATION

Internally, just behind the Sinfoni brass plate, you can find a fuse (40A) that can be easily reached removing the plate. 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, or a power surge during connection to the power source.



The green LED light, located on the front left side of the amplifier, close to the L input, indicates Remote signal is present. The red LED light indicates that one of the internal protection has been activated, which means the presence of a technical problem.

This amplifier comes with three protection system to protect at best the amplifier and the connected devices like the speakers. The Thermal protection prevents the amplifier from exceeding 85°C, in case of over-heating normal operations may continue only after a temperature decrease of 10°C. The Speaker protection is enabled when a mosfet fails and the Overload protection prevents from a wrong impedance load connected on the output.

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SPECIFICATIONS

POWER SUPPLY	10-14,4 VCC
STANDBY CURRENT	> 2 A
INPUT SENSIVITY	0,4 - 8 V
INPUT IMPEDANCE	48 K Ω
CURRENT DRAW	100 A
OUTPUT POWER:	
4 Ω @ 12 V	150 W X2
4 Ω @ 14 V	200 W X2
2 Ω @ 12 V	250 W X2
2 Ω @ 14 V	400 W X2
MONO 4 Ω @ 12	500 W X1
MONO 2 Ω @ 12	800 W X1
FREQUENCY RESPONSE	+/- 1dB FROM 10 HZ TO 30 KHZ
SIGNAL / NOISE RATIO	> 100 dB
DIMENSIONS (W/H/D)	410 X 85 X 250 (MM)
WEIGHT	7,3 KG



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