

Desiderio

FIRST OF ALL, WE WOULD LIKE TO **CONGRATULATE WITH YOU** FOR YOUR CHOICE OF THIS **VERY EXCLUSIVE OBJECT**.
IF YOU ARE READING THIS SHORT INTRODUCTION INSTEAD OF MADLY FLICKING 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 QUARTORIGO 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 QUARTORIGO AMPLIFIER WILL GIVE YOU **UNEXPECTED EMOTIONS AND SENSATIONS**.



Desiderio represents the Desire of Quartorigo to conjugate in one product power and high quality at the same time.

It is a very common concept that a very powerful amplifier cannot express high quality, therefore it is easy to understand what a difficult mission was placed in front of the technical staff of Quartorigo.

After 18 months of work, and after years of dreaming about such a product, it has now become reality.

Created following the Quartorigo philosophy, by carefully observing, among electrical components and mechanical parts, hidden deep inside this unique amplifier, you will be able to find what makes Quartorigo so special: passion for the detail, dedication to music, sound refinement, love for craftsmanship.

Everything is needed to build devices for music lovers.

A mirror to reflect our philosophy,

like a sculpture or a painting

is the tangible representation of the artist's dreams and wishes, this device is the fulfilling of our own desire.

Made of two, completely separated, mono amplifiers, laid down inside a unique chassis,

The concept is very easy:

keep everything as simple as possible in order to preserve the sound signal going through the device.

No cross-over nor any other kind of additional signal modifying functionality.

Selected and high quality components, large and gold plated tracks, combined together by expert hands and skilled eyes.

Every single unit inherits our passion for music.

Each channel, or better each one of the two amplifiers, has an individual error checking that can, in case of failure, deactivate the amplifier in order to prevent damages to the device itself or to other external connected devices.

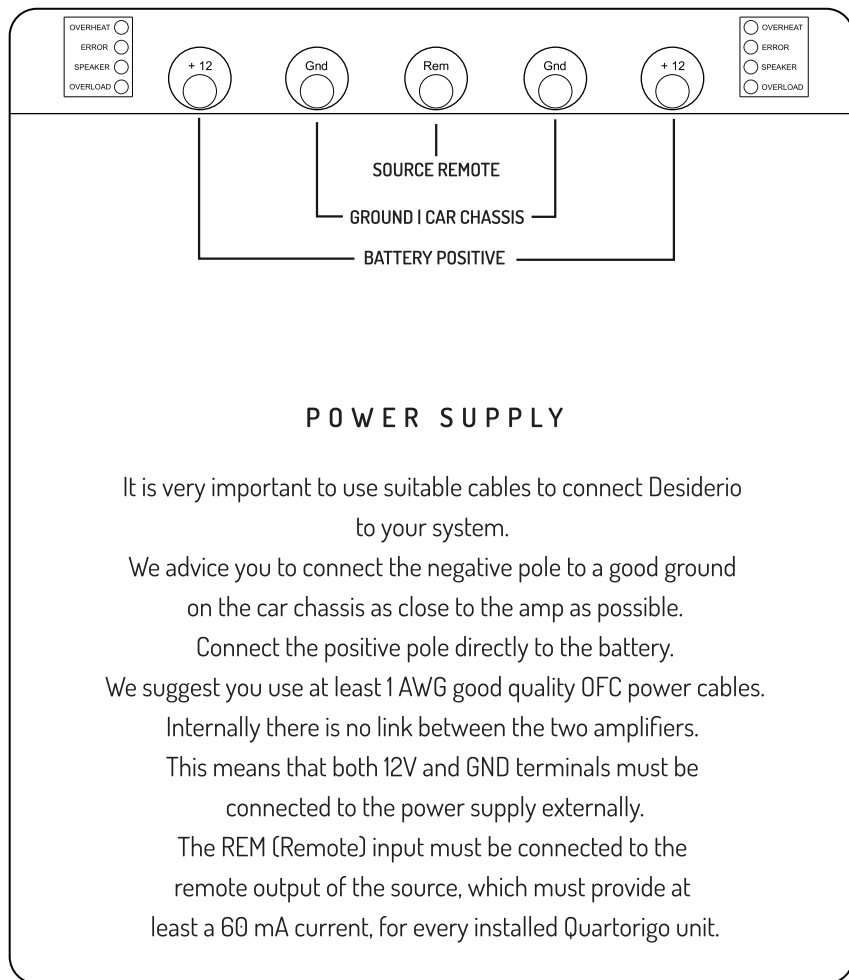
All this makes Desiderio a perfect union of technical refinement and love for exclusive products

and makes us very proud to offer you, dear customer,

this wonderful creation.



I N S T A L L A T I O N A D V I C E S



P O W E R S U P P L Y

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.

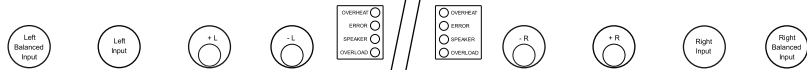
C O N N E C T I N G L O U D S P E A K E R S

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 optional cable .
 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 above for a better understanding.

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.



*This unit has been tested for not less than 24 hours.
during the tests, the input signal changes frequency and form.*

Test is done @ 12V, 13V, 14V.

Measures below are taken @14V.

STAND-BY CURRENT _____

TOTAL HARMONIC DISTORTION _____

INPUT SENSIVITY _____

INPUT IMPEDANCE _____

FREQUENCY RESPONSE _____

SIGNAL/NOISE RATIO _____

MAXIMUM OUTPUT POWER

BRIDGED MODE	LEFT CHANNEL	RIGHT CHANNEL
--------------	--------------	---------------

_____	_____	_____
-------	-------	-------

_____	_____	_____
-------	-------	-------

_____	_____	_____
-------	-------	-------

SERIAL NUMBER _____

MANUFACTURE DATE _____

SIGNATURE _____



W W W . Q U A R T O R I G O . C O M

