

Ύψιλόν

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AELIUS

YPSILON
POWER
AMPLIFIER



OWNERS MANUAL

V1 01/01/20010

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INTRODUCTION

Thank you for trusting YPSILON ELECTRONICS™. We assure you that you have made an excellent purchase. Your amplifier is made only by the best and most reliable materials and we guarantee it will offer you many hours of music enjoyment.

Every amplifier before delivery is thoroughly checked and measured for ensuring trouble free operation.

Our goal is to offer you devices of the highest standard of build quality and sonic performance.

PLACEMENT OF THE AELIUS POWER AMPLIFIER

AELIUS power amplifier is designed to reduce interference from external magnetic and radio fields. Although placement is not critical, any magnetic fields should be avoided.

A solid and sturdy surface should be used as this amplifier has a substantial weight.

Take great care if planning on moving or lifting it and make sure that the weight is not going to cause any injuries.

As it will generate quite some heat, in order to achieve the best operating conditions, it is strongly suggested that there is good air circulation around the amplifier.

TAKING CARE OF YOUR AELIUS POWER AMP

When wanting to clean the amplifier always disconnect from the mains electricity and use a clean, slightly damp cloth with no possibility of color running.



**NEVER CLEAN AMPLIFIER CASING WHEN DEVICE IS CONNECTED TO
MAINS ELECTRICITY.**

**ALWAYS DISCONNECT FROM MAINS ELECTRICITY PRIOR TO ANY
SUCH ACT.**

CONNECTING CABLES

For best results it is recommended to keep both the speaker and the input cables as short as possible. Do not use longer cables than needed. For more information contact your dealer or the factory.

CONNECTING TO THE MAINS OUTLET

Your amplifier has a description of the appropriate operation voltage on its back panel. Please make sure not to overlook the specifications. In case you need to operate it in a region with no complying voltage, contact your dealer or the factory. The power cable that you will use must be at least 3 x 1.5 square mm and grounded to the mains outlet. This device is **Class I** and the following safety rules apply:



*According to guide 73/23/EEC for low voltage and guide 89/336/EEC (EMC) this device is marked with **CE**.*

CAUTION

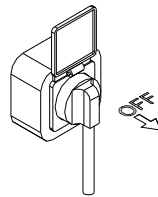
**DO NOT ATTEMPT TO
OPEN THIS DEVICE.
IN CASE OF
MALFUNCTION CONTACT
YOUR DEALER OR THE
MANUFACTURER**



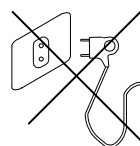
**ONLY USE THE VOLTAGE
PRINTED ON REAR PANEL**

WARNING: Before any maintenance or placement /connection takes place disconnect the device from electrical outlets.

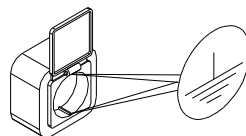
DISCONNECT THE DEVICE



WARNING: Never use electrical outlets without earth.



Use only electrical outlets that are earthed.

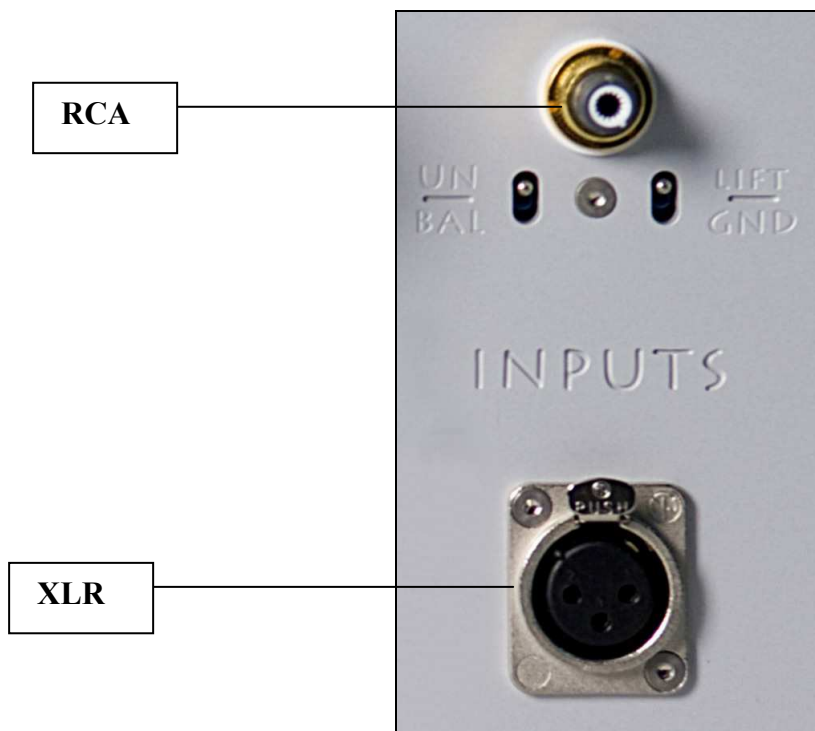


CONNECTIVITY INPUTS

AELIUS power amplifier is equipped with two connection inputs. One is XLR and the other is RCA.

Do not connect and give signal to both inputs at the same time.

Only connect signal from pre-amplifier or home cinema processor.

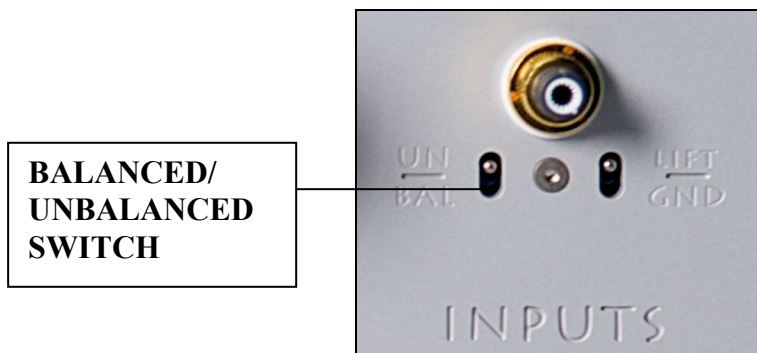


BALANCED/UNBALANCED SWITCH

When using the RCA connector turn the switch located on the back panel of the amplifier to the UNBALANCED position. This is the input the manufacturer recommends.

NEVER use RCA inputs with the switch turned to BALANCED position.

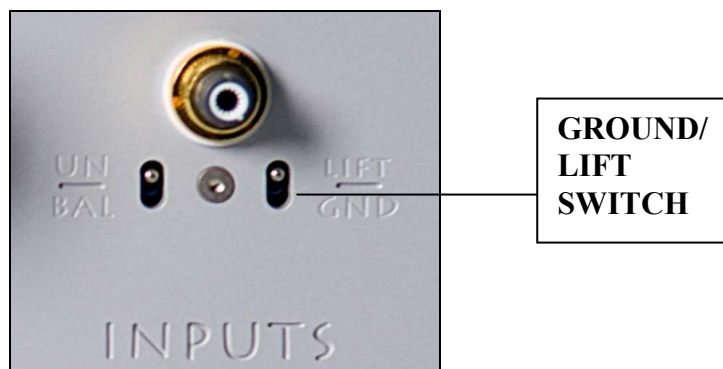
When using the XLR input turn the switch to the BALANCED position. This is recommended when using long cables from the pre amplifier.



GROUND/LIFT SWITCH

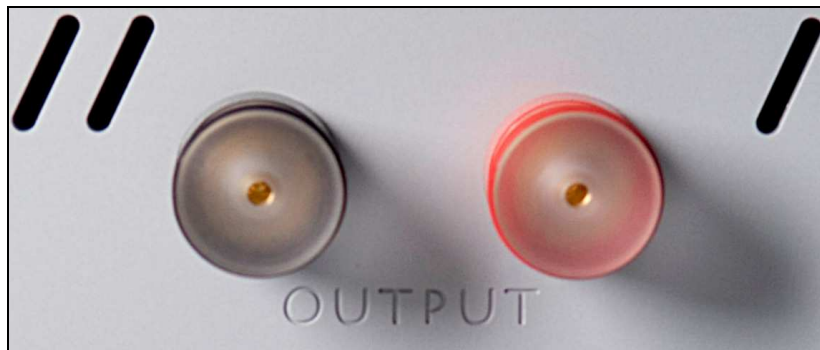
When the switch located on the back panel is turned to the **LIFT** position the ground circuit is disconnected from chassis ground. This is used to eliminate ground loop in the system and hum in the speakers. This is the recommended position.

When the switch is turned to the **GROUND** position the circuit ground is connected to the chassis ground.



CONNECTIVITY OUTPUTS

There are two pure copper & gold plated connectors at the rear for connection of speaker cables either by tightening the connector or by using a banana plug.



POWERING UP

With all the connections made you are ready to turn on the amplifier. The power on switch is located at the backside of the amplifier. When it is switched on the front led should be lighting.



BREAK IN PERIOD

Every amplifier has had an initial break in time of approximately 100 hours before packing.

Still we suggest another 120 to 150 hours of breaking in before reaching its optimum performance.

DESCRIPTION

The amp's topology is Push-Pull. It's input stage is valve and the output stage is with mos-fets.

The input gain stage uses one C3g valve. The lifetime of the valves is specified at 10.000 hours. These valves have been matched to +/- 0,2 db.

When the valve lifetime passes contact your dealer or the factory for a new matched set.

IN CASE OF FAULT



In case of fault never open device. Return to authorized technical agent or manufacturer.

In case of part changing only the exact same parts should ever be used and replaced by authorized staff or manufacturer. Otherwise this device is out of Guarantee and will not be compliant with international rules and regulations.

OUTPUT DC VOLTAGE & TEMPERATURE PROTECTION

AELIUS is equipped with an electronic circuit that will mute the amplifier in case of DC occurring in the output. This is to protect the speakers from possible damage.

If this occurs contact your dealer or the factory.

There are **3 fuses** in this amplifier. One in the mains and two for the DC protection.

These are **6,3 A** slow blow fuses.

Note that in the input stage there should be no DC voltage occurring in any case. This could cause the damage of the input valve.

If for some reason the temperature of this amplifier passes **90° C** the output relay switches off and only reopens when the device reaches **40° C**.

SPECIFICATIONS

OUTPUT POWER BEFORE CLIPPING	200W rms @ 8 ohm 350W rms @4 ohm
BANDWIDTH	11Hz -75Khz -3db
OUTPUT IMPEDANCE	0,08 ohm
INPUT IMPEDANCE	47 Kohm
GAIN	X20 (26db)
INPUTS Balanced/Unbalanced	Switchable
POWER CONSUMPTION	250W @ idle
DIMENSIONS	425x425x230 (W x H x D)mm
WEIGHT	50 Kgr (each)



Specifications may change without notice.