

ΎΨΙΛΟΝ

Y P S I L O N

SET 100

YPSILON
POWER
AMPLIFIER
MKIII



OWNERS MANUAL

V3 01/01/2010

©All rights reserved

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 SET-100 POWER AMPLIFIER

SET-100 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 and especially on its top where its coolers are positioned.

TAKING CARE OF YOUR SET-100

When wanting to clean the **SET-100** 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.**

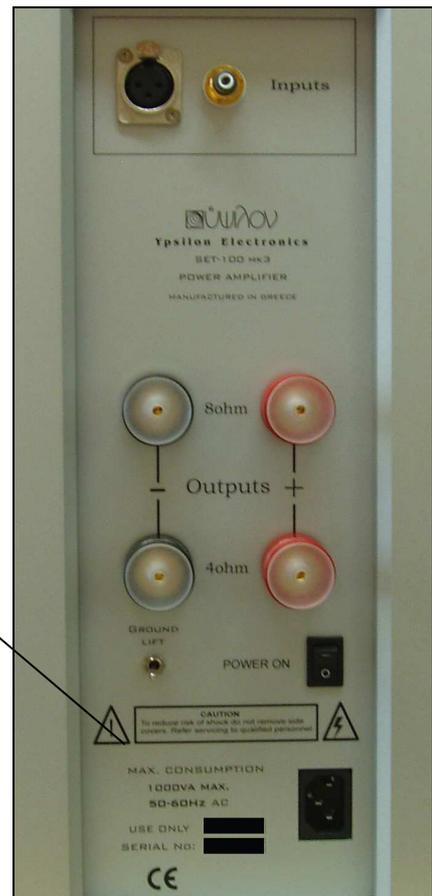
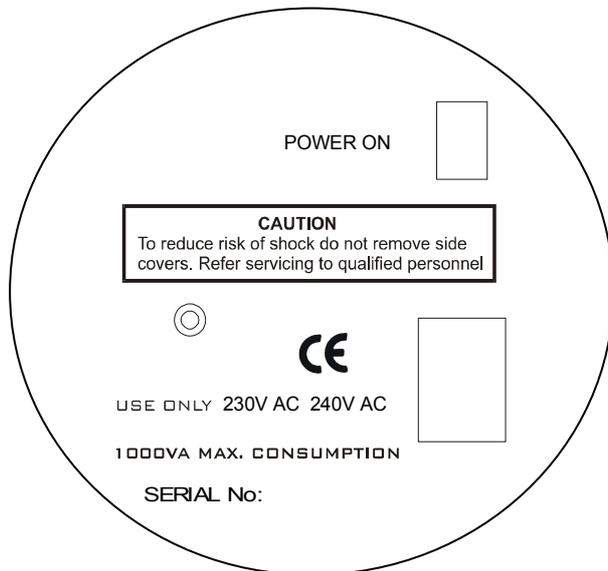
**ALWAYS DISCONNECT FROM MAINS ELECTRICITY PRIOR TO ANY
SUCH ACT.**

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

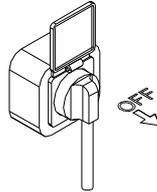
**DO NOT ATTEMPT TO
OPEN THIS DEVICE.
IN CASE OF
MALFUNCTION CONTACT
YOUR DEALER OR THE
MANUFACTURER**



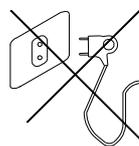
**ONLY USE THE VOLTAGE
PRINTED ON REAR PANEL**

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

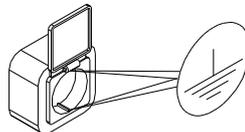
DISCONNECT THE DEVICE



WARNING: Never use electrical outlets without earth.



Use only electrical outlets that are earthed.



CONNECTIVITY INPUTS

SET-100 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.



CONNECTIVITY OUTPUTS

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

There is a choice of 8 ohm or 4 ohm taps from which to choose according to loudspeaker impedance.



GROUND/LIFT SWITCH

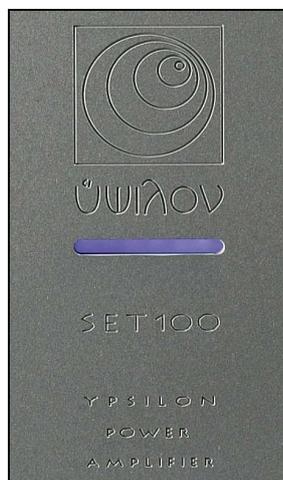
When the switch located on the back panel is turned to the **GROUND LIFT** position the ground circuit is disconnected from chassis ground. This is used to eliminate ground loop in the system and hum in the speakers.

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



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. After turning it on, there is a delay of 20 seconds approximately for the valves to warm up before operating. After this procedure is over a single relay click will be heard and the amplifier is ready .



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 single-ended. It is operating in pure **class A**. 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.

The power supply uses a **EZ 81** valve rectifier that is also specified for 10.000 hours of operation.

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 PROTECTION

SET-100 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. 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.

SPECIFICATIONS

OUTPUT POWER BEFORE CLIPPING	120W rms @ 8 ohm 130W rms @ 5,6 ohm 100W rms @4 ohm
BANDWIDTH	8Hz -80Khz -3db
OUTPUT IMPEDANCE	0,5 ohm
INPUT IMPEDANCE	50 Kohm
GAIN	X40 (32db)
POWER CONSUMPTION	400W constantly
DIMENSIONS	240x610x672 (W x H x D)mm
WEIGHT	90 Kgr



Specifications may change without notice.