

ΥΨΙΛΟΝ

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DAC 100

YPSILON
D/A
CONVERTER



OWNERS MANUAL
V2 01/01/2009
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INTRODUCTION

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

Every D/A Converter, 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 DAC 100 D/A CONVERTER

DAC-100 D/A converter 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 D/A converter has a substantial weight.

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 D/A converter and especially on its sides where its coolers are positioned

CONNECTING CABLES

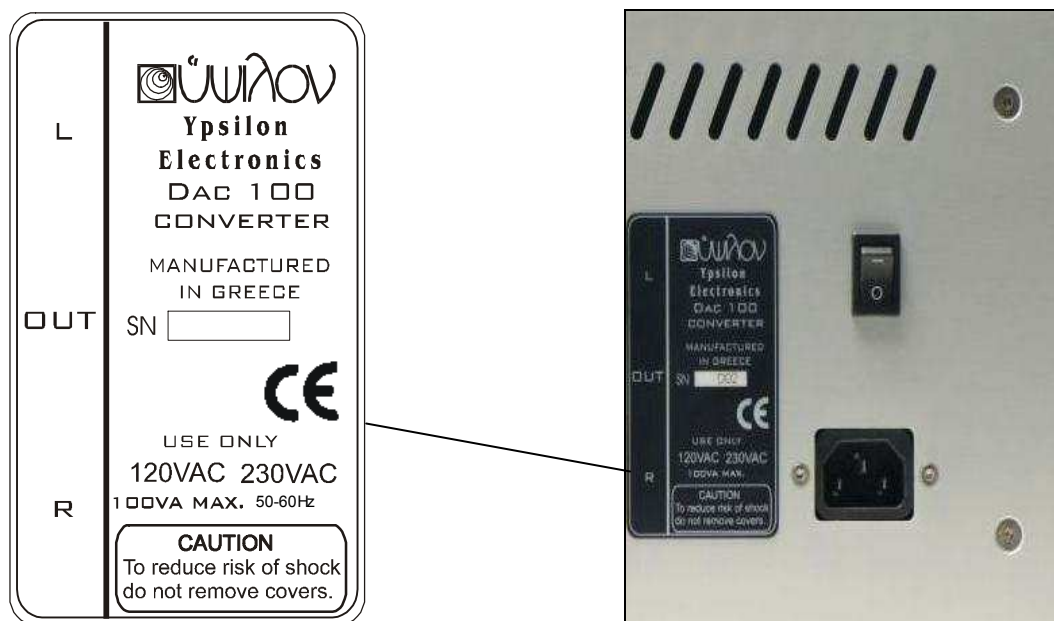
For best results it is recommended to keep the input and output cables as short as possible. Do not use longer cables than needed. For more information contact your dealer or the factory.

CONNECTING TO THE MAINS OUTLET

Your D/A Converter 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.

The on/off switch for the **DAC-100** is located on the back panel.

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**.*

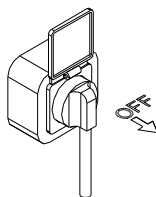
CAUTION
DO NOT ATTEMPT TO
OPEN THIS DEVICE.
IN CASE OF
MALFUNCTION CONTACT
YOUR DEALER OR THE
MANUFACTURER



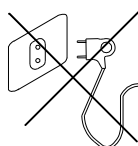
ONLY USE THE VOLTAGE
PRINTED ON REAR PANEL

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

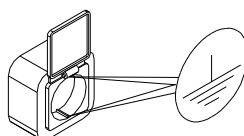
DISCONNECT THE DEVICE



WARNING: Never use electrical outlets without earth



Use only electrical outlets that are earthed.



IN CASE OF FAULT



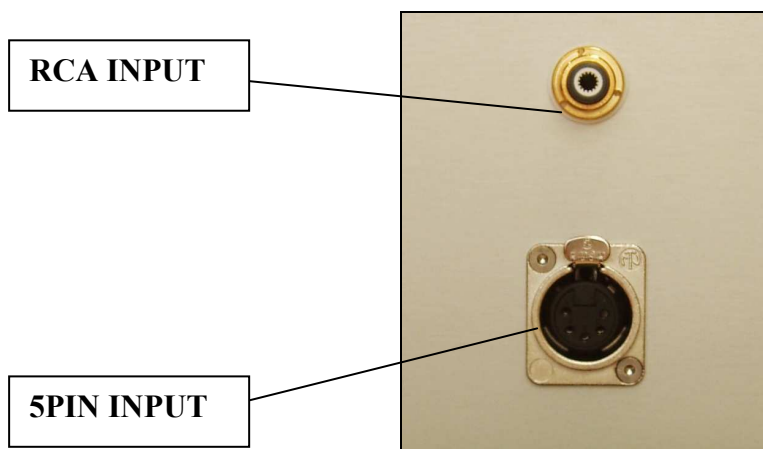
In case of fault never open device. Return to authorized technical agent or manufacturer.

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.

CONNECTING INPUT CABLES

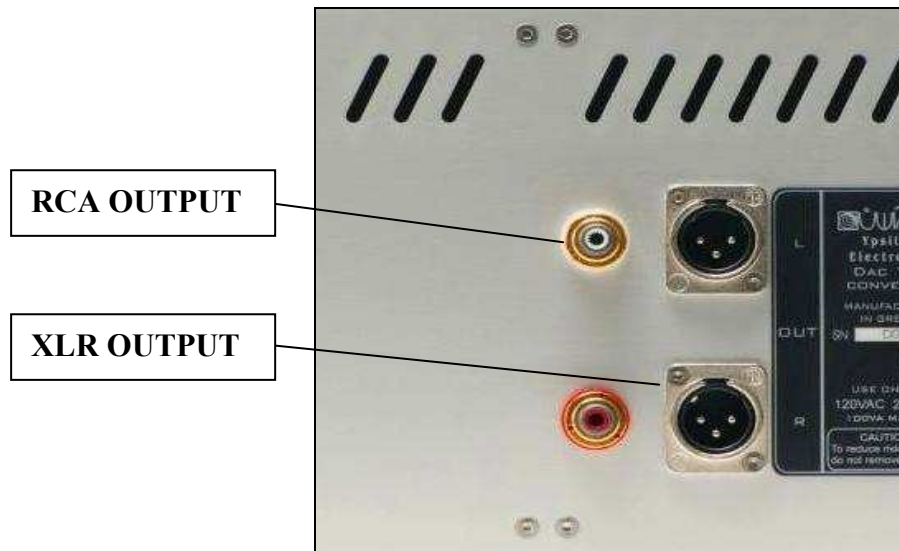
Your **DAC-100** has one **RCA** and one **YPSILON 5 PIN** inputs on the back panel.

Only connect signal from source.



CONNECTING OUTPUT CABLES

There are two types of output connectors on the back panel of the **DAC-100**. One is a **RCA** connector and the other an **XLR** connector.
Only connect to pre-amplifier.



POWER SUPPLY

The **DAC-100** has a power transformer manufactured in house using special winding techniques and exotic core materials for low noise and pure, transparent sound.

The rectifier is a **6CA4** valve. Regulation and filtering is made with high quality capacitors and a big choke .

The lifetime of the valves is specified at 5.000 hours. When the valve lifetime passes contact your dealer or the factory.

ANALOGUE OUTPUT

In the analogue stage two **Siemens C3g valves** are used. This is a low noise tube appropriate for low level signal amplification. It is chosen for its sonic qualities.

Coupling in the output is made with special c-core output transformer. In the input ,coupling is made with in house made step up transformers of very neutral characteristics allowing the tube to achieve its maximum sonic ability.

The lifetime of the valves is specified at 10.000 hours. When the valve lifetime passes contact your dealer or the factory.

SPECIFICATIONS

DIGITAL INPUTS	SPDIF(75 ohm) RCA
ANALOGUE CURRENT INPUT	YPSILON 5 Pin Connector
ANALOG OUTPUTS	RCA unbalanced XLR unbalanced(pin1,3grounded)
RESOLUTION	24 bit(multi bit converter) 192khz maximum sampling rate
NOMINAL OUTPUT	2,8V rms
POWER CONSUMPTION	Typically 40 W
DIMENSIONS	400x180x400 (WxHxD)mm
WEIGHT	25 Kgr



Specifications may change without notice