

ALCHEMIST

**T S - D - 2
24/192Khz
Converter**

**INSTRUCTION
M A N U A L**

TS-D-2 SPECIFICATIONS

DAC Type: 24 Bit, 192KHz, 64X OVERSAMPLING, 5-LAYER DAC

Sampling Rates: Supports all sampling rates in range 32kHz - 96kHz

All input data upsampled to 192KHz (Internally)

Data Types: 16, 18, 20 and 24 Bit SPDIF

0dB Level: 2V rms

THD+n: >-92dB

Linearity: +/- 0.3dB to 100dB

Signal/Noise Ratio: >-100dB

Frequency Response: DC 21.05KHz

Dynamic Range: >100dB

Digital Filter: Delta SIGMA 5-LAYER

Output: 2.00V@ 0dB

Dimensions: 154 (W) x 45 (H) x 170 (D) (mm)

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In the unlikely event that we should discover something that would improve one of our products, we reserve the right to change specifications without prior notice.
All products designed and manufactured in Hertfordshire, UK

POSITIONING

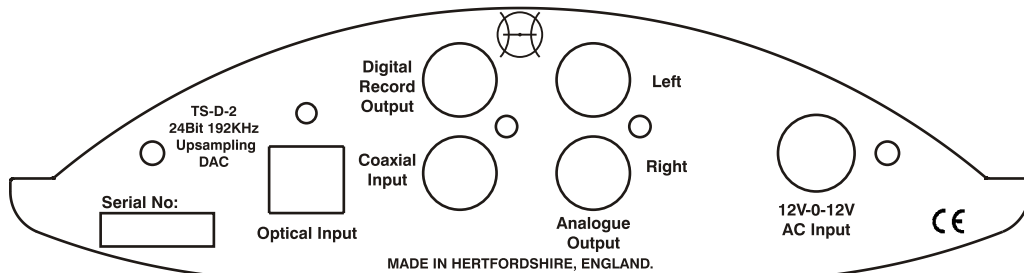
The TSD2 24/192KHz Upsampling Converter has been designed to be the perfect add on DAC to any CD, DVD, DAT or other machines that have a digital output. As such its slim design allows it to be placed directly on top of most machines that already have a position in your HiFi rack.

MAINS POWER CONNECTION

The TSD2 comes with an external PSU which is fitted with the relevant mains plug type for the country of purchase. In some cases there will be a replaceable fuse in the plug. If in the event that this should blow replace only with the same type.

Never replace with a different value.

Be sure that your system is switched off whilst connecting / disconnecting any leads.



SOURCE CONNECTION

As the phono sockets on the TSD2 are gold, we recommend that, where possible, you use gold phono plugs on your interconnect leads, ensuring the best possible electrical contact.

There are two digital inputs provided on the TSD2. One is optical and the other is coaxial. It also provides two forms of output, analogue and coaxial digital output.

RECORDING

The TSD2 is fitted with a digital record output socket. This can be used to reroute the digital signal from your source out into a machine with recording facilities. i.e. CDR, MD or DAT

For this output, the TSD2 is selected to incoming sampling rate at standard, internal selector permitted to output signal to 96KHz. Please contact your dealer for details.

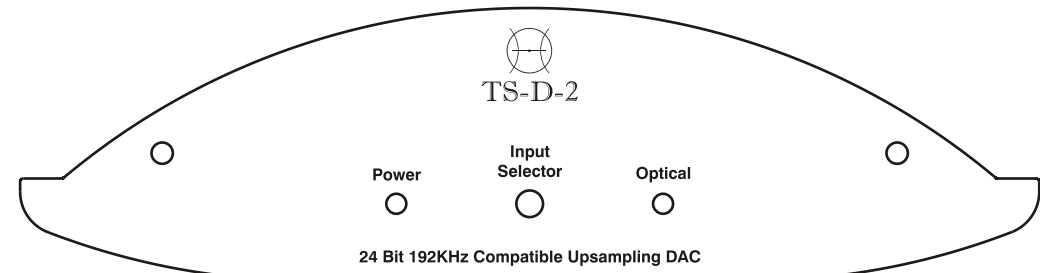
FRONT PANEL INDICATORS

The front panel of the TSD2 bears two LED s and one button:

Power. This BLUE LED will illuminate when the TSD2 is connected to its PSU and switched on.

Input Selector. Toggle between Coaxial and Optical input.

Optical. This GREEN LED will illuminate when Optical input is selected.



GENERAL CARE

Cleaning your TSD2 should be done with a clean, dry cloth. Do not use any solvent or silicone based solutions.

Remember to replace all of your packaging in the box and reseal. Keep the box for future transportation of your TSD2.

Please note that, as with all hi-fi products, there are no user serviceable parts inside and you should refer any problems to your dealer. Removal of any chassis part may void your guarantee.