## *SPECIFICATIONS*

X-DAC V3

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|---|---|
| DAC architecture | 24 bit Delta-Sigma (bitstream)<br>Dual differential<br>8 times oversampling 192kHz |
| Sampling frequencies | 8 to 108kHz |
| Data types | 16, 20, 24 bit word lengths |
| Inputs | RCA 75 Ohms (S/PDIF), TOSLINK optical |
| Outputs | RCA left & right audio,<br>RCA digital loop out |
| Frequency response | 10Hz to 20kHz +0 / -0.2dB |
| Signal / noise ratio | > 121dB "A" weighted ref. full output |
| Total harmonic distortion | < 0.002% 10Hz to 20kHz |
| Total correlated jitter | < 135 pS |
| Channel separation | > 110dB 20Hz to 20kHz |
| Linearity | < 0.1dB down to -96dB |
| Audio output at digital 0dB | 2.2VRMS at 1kHz nominal, 50 Ohms impedance |
| Power requirement | 12 - 0 - 12Volts AC 500mA<br>(via mains adaptor supplied) |
| Dimensions | 180mm (7.1") wide<br>88.2mm (3.5") high including feet<br>208mm (8.2") deep |
| Weights | Unit, net : 2.5 kg (5 lbs 8 oz)<br>Adapter, net : 0.45 kg (1 lb)<br>Total packed : 3.1 kg (6 lbs 13oz) |

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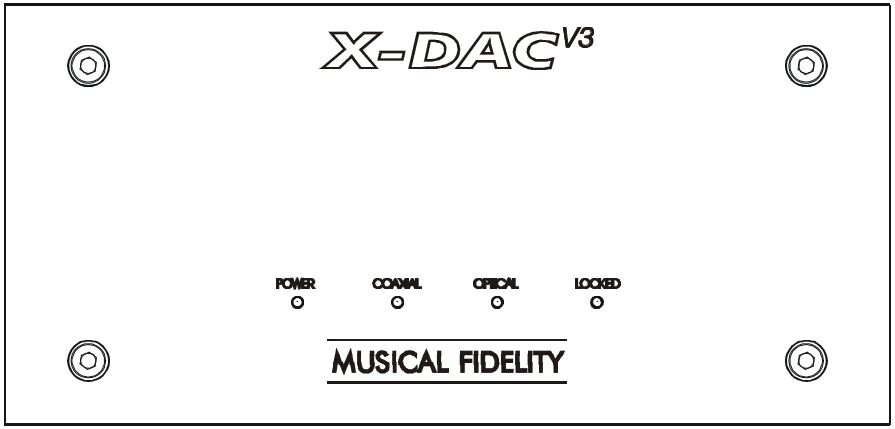
Musical Fidelity reserves the right to make improvements which may result in specification or feature changes without notice.



X-DAC V3

# DIGITAL to ANALOG CONVERTOR

## *Instructions for use*




MUSICAL FIDELITY

## *Introduction*

Thank you for purchasing the X-DAC Version 3 digital - to - analog convertor.

We sincerely hope that it will bring you many years of outstanding listening pleasure.

Your X-DAC V3 will convert digital data from any CD or DVD source to analog audio, but not data from AC3, Minidisc, or MP3 formats.

## *Installation Precautions*

Your new X-DAC V3 is designed and built to provide trouble-free performance, but as with all electronic devices, it is necessary to observe a few precautions :

- Do not use the X-DAC V3 near water. The unit must not be exposed to dripping or splashing and no objects filled with liquids, such as vases, must be placed on the unit.
- Keep the X-DAC V3 away from heat such as radiators. No naked flame sources, such as lighted candles, should be placed on the unit.
- Only use the mains adaptor provided. The use of other adaptors could seriously damage your X-DAC V3.
- Place all connecting cables where they are not likely to be walked on, or trapped by items placed on them.

This Hi-Fi product has been tested to ensure that its operation is not adversely affected by normal background levels of Radio Frequency Interference (R.F.I.), and that it does not itself generate excessive amounts of interference.
However, if a problem persists, please contact your Musical Fidelity agent.

Never open the case of the X-DAC V3 yourself, as this will invalidate the guarantee. There are no user adjustments inside. Please refer all service work to an authorised Musical Fidelity agent.

This model has been designed so that it may be left on indefinitely, but please note that the mains adapter may become warm to the touch - this is normal.



## *Connections*

All connections should be made before the mains adaptor is plugged in.

Connect the digital output from your CD or DVD player, or other digital source to one of the X-DAC V3's inputs.

The DAC has two inputs, one an optical "Toslink" and the other an S/PDIF* co-axial RCA socket. Either one is automatically selected by the presence of a digital signal, but if both are accidentally connected at the same time, priority is given to the first of the two inputs presented.

** **S**ony / **P**hilips **D**igital **I**nterface **F**ormat*

Using good quality co-axial audio leads, connect left and right audio outputs from the analogue output sockets on the back panel of your X-DAC V3 to any line level input in your amplifier system, for example the CD or auxiliary sockets.

The co-axial RCA digital output can also be connected to suitable external digital equipment if required.

Now plug the DC connector lead from the power supply unit into the X-DAC V3's inlet socket, and plug the power supply itself into a convenient wall mains outlet. The power indicator LED on the front panel will light confirming that the unit is now ready for use.

## *Operation*

Start the required digital source playing.

The **LOCKED** data indicator LED on the front panel will light to show that the DAC has sucessfully locked on to the incoming data stream, and either the **CO-AXIAL** or **OPTICAL** LED shows which input has been selected.

Adjust the volume control on your audio system to obtain the preferred sound level.

If there is no incoming digital data to either input, the **CO-AXIAL** and **OPTICAL** LEDs will flash alternately, and the **LOCKED** LED will flash more rapidly.