

SPECIFICATIONS

X-DAC

THD	< 0.02% 20Hz-20kHz Unweighted < 0.008% 20Hz-20kHz "A" weighted
Frequency response	± 0.2dB 20Hz-20kHz
S/N ratio	better than -90dB Unweighted better than -100dB "A" weighted
Conversion type	18 bit Co-phase 8x oversampled
Power requirement	12V AC 500mA (via mains adaptor supplied)
Dimensions (mm)	110 x 110 x 220 (W x H x D) width and height include feet

Note : This product has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC rules, operation is subject to two conditions:

- 1 - This device may not cause harmful interference.
- 2 - This device must accept any interference received including interference that may cause undesired operation.

These limits are designed to reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed in accordance with the instructions may cause harmful interference to radio communications. However as there can be no guarantee that interference will not occur in a particular installation we recommend that you take one or more of the following measures if interference is experienced:

- Identify the source of interference, turn the X-DAC off and on, does the interference persist?
- Re-orientate or relocate the receiving antenna.
- Increase the separation between the X-DAC and receiver.
- Connect the X-DAC and receiver to different mains outlet circuits.
- Consult your dealer or an experienced radio/TV technician.

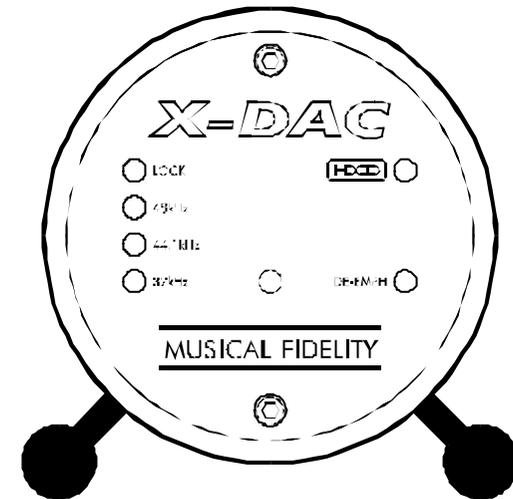
WARNING - ANY MODIFICATIONS OR CHANGES TO THIS UNIT NOT EXPRESSLY APPROVED BY MUSICAL FIDELITY WHO ARE THE PARTY RESPONSIBLE FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THIS EQUIPMENT.



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

X-DAC

INSTRUCTIONS FOR USE



MUSICAL FIDELITY

Introduction

Thank you for purchasing the X-DAC. We sincerely hope that it will bring you many years of listening pleasure.

The X-DAC uses some of the latest in CD technology to provide a genuine upgrade to the performance of your CD player whether you are playing standard or HDCD disks.

The X-DAC uses an 18 bit Burr-Brown "Co-phase" DAC which combines bitstream conversion for the lowest bits and R-2R multibit for the higher bits, subjectively this gives both the low level detail resolution and smoothness of bitstream with the solid bass response and timing of multibit. The special HDCD compatible digital filter used incorporates 8 times oversampling (which allows a simple and phase-coherent analog filter), digital domain de-emphasis and automatic decoding of HDCD encoded disks.



This is a new way of recording CD's that gives improvements in dynamics and detail resolution. Your X-DAC is fully compatible with this process and will automatically detect if a CD disk is HDCD encoded and then perform the correct de-coding, in this mode the HDCD indicator on the front panel will light up.

Installation Precautions

Your new X-DAC is designed and built to provide trouble-free performance, as with all electronic devices it is however necessary to observe a few precautions. Please ensure that you have complied with these before you connect the power to your X-DAC. Retain this guide for future reference.

- **Do not use the X-DAC near water.**
- **Keep the X-DAC away from heat sources such as radiators.**
- **Only use the mains adaptor provided. The use of other adaptors could seriously damage your X-DAC.**

- **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 will not be adversely affected by normal background levels of R.F.I. (Radio Frequency Interference). It is possible that if the unit is subjected to abnormally high levels of R.F.I. the unit may not perform as expected. In the unlikely event of this happening please contact Musical Fidelity's service department.

Do not remove any covers, the X-DAC will not be covered under warranty if it has been tampered with. There are no adjustments within. Please refer all service work to an authorised Musical Fidelity agent.

Connections

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

The X-DAC is easy to connect into your system. Simply connect a digital output from your CD player (or other digital source) to one of the X-DAC's digital inputs. The X-DAC has both optical and electrical type digital inputs, you may use either. Then connect the X-DAC left and right outputs to a line level input (e.g. CD or AUX) on your amplifier system. Once these connections are made plug in the mains adaptor, the "Lock" LED should light to show that the X-DAC has detected a valid incoming digital signal and one of the sample frequency LEDs should light (44.1kHz for CD, 48kHz for DAT etc.)

The X-DAC has been designed so that it may be left on indefinitely.

The X-DAC has two sets of outputs you may use either of these to connect to your amplifier. For the best results we recommend that you use Musical Fidelity X-LINX "no-nonsense" interconnect cables. Further improvements in sound quality can be gained by using a Musical Fidelity X10-D valve line stage between the X-DAC outputs and the inputs of your amplifier - contact your dealer for details.