

MUSICAL FIDELITY

X-DAC^{V3} Digital-to-Analog Converter

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OVERVIEW

From a technical standpoint the X-DAC^{V3} is just about the best DAC available in the world at any price. There are those which offer more facilities, or bigger flashier boxes, but if you want to take the digital output from a 16-bit CD player and get the most possible out of it, there is no better option than the X-DAC^{V3}. The X-DAC^{V3} upsamples to 24-bit at 192k. It produces technical performance beyond 16-bit. Its noise ratio is about 120dB down and its linearity and distortion are at the theoretical limits. This is one kicking piece.

FEATURES & BENEFITS

Proper upsampling, 24-bits 192K.	Extracts the maximum possible resolution from any S/PDIF source.
Amazing signal to noise ratio.	Maximum possible dynamic resolution and information retrieval.
Exemplary resolution to -97dB.	Extracts everything possible from source material.
Very low output impedance.	Drives any amplifier loading with ease.
As far as we know about the best measuring DAC regardless of price.	You can't do better than this.

SPECIFICATIONS

DAC architecture	24 bit Delta-Sigma (Bitstream) Dual differential 8x 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 and right audio, RCA digital loop out
Output impedance	50 Ohms
Frequency response	10Hz to 20kHz +0 / -0.2dB
Signal / noise ratio	> 121dB 'A' weighted
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 level	2.2VRMS at 1kHz nominal
Analog output	1 pair RCA connectors
Analog output impedance	50 Ohms
Power requirements	100 / 115 / 230V AC 50 / 60Hz mains adaptor 15 Watts
Dimensions (approximate)	180mm, 7.1 inches wide 88.2mm, 3.5 inches high incl. feet 208mm, 8.2 inches deep
Weight	Unit, net 2.5kg, 5 lbs 8oz Adaptor, net 0.45kg, 1 lb Total, packed 3.1kg, 6 lbs 13oz in shipping carton
Standard accessories	Mains Adaptor

