



## D 1050 USB DAC

Our D 1050 USB DAC is the best way to add Computer Audio and HD Digital to your component hi-fi system. In fact, all digital sources will get a boost when the D 1050 takes over for the inferior digital circuitry found in everything from Blu-ray, DVD and CD players, to music streamers and set-top boxes. Both the digital and the analogue circuits are highly optimised and based on techniques developed over 40 years of NAD audio engineering excellence. There is no reason to sacrifice audio quality for convenience, as our D 1050 so vividly demonstrates.



### > Totally Connected

The D 1050's digital inputs allow you to connect many different digital sources. SPDIF inputs support both coaxial and optical connectors. The USB input is very special—its asynchronous operation mode uses the D 1050's high precision clock to control the output of the connected USB device for lowest possible jitter. It also supports USB Audio Codec 2.0 allowing 192kHz signal transmission via USB.

### > Making it Count

We packed a lot of premium high spec parts inside the D 1050 USB DAC. But premium parts need optimal implementation to get the actual performance they promise. This is where NAD's expertise with both digital and analogue circuits shows its true value. Ultra short impedance-controlled signal paths are made possible by multi-layer circuit boards and micro-miniaturized surface mount components which are soldered with lead-free high silver content solder. We also found that we could further reduce noise by isolating the power supply from the sensitive analog circuitry by using a highly efficient external type. These details all contribute to the remarkable performance of this advanced DAC.

### > Magic from a DAC

The digital processing of the D 1050 features Delta/Sigma architecture with active oversampling filters. This technique

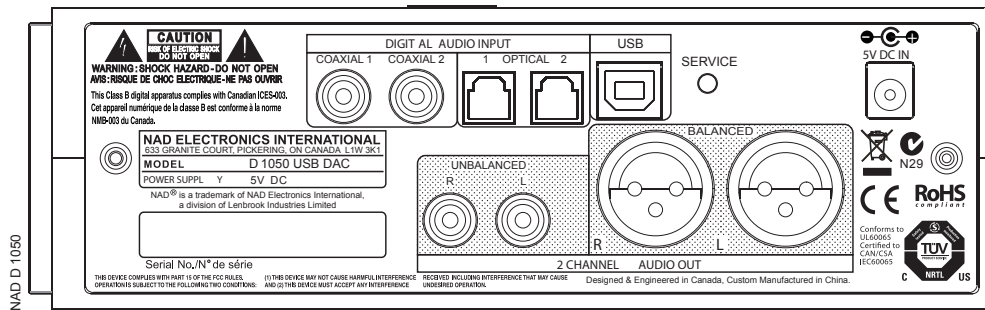
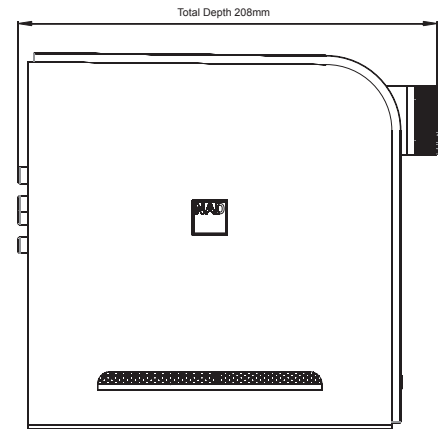
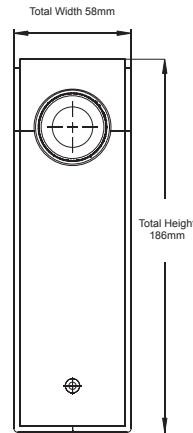
effectively reduces out of band noise while maintaining linear phase response and virtual elimination of filter ringing in the pass band. This assures detailed and extended high frequency response while taking full advantage of the extended response of recordings sampled at 88.2kHz, 96kHz, 172.4kHz and 192 kHz. Separate precision clocks fed from pristine DC supplies keep jitter (digital timing errors) to an absolute minimum. Everything is bit perfect; we do not upscale or downscale sample rates, and the incoming sample rate is indicated on the front panel display.

### > The Perfect Mix

Analogue outputs are fixed for highest resolution and include both balanced and single-ended connections. The D 1050 also includes a premium discrete headphone amplifier output with a high quality volume control. Output impedance is extremely low, minimizing the effect of connecting cables and keeping noise vanishingly low.

### > GREEN, GREEN, GREEN!

In designing our D 1050, our NAD team focussed on finding new technologies that can improve musical performance while requiring less power to operate and fewer non-renewable resources to manufacture. The D 1050 is a DAC you'll be proud to own.



## Specifications

D 1050 AUDIO SPECIFICATIONS	SOURCE		
	USB	COAXIAL	OPTICAL
Maximum Output Level	2.0V	2.0V	2.0V
Signal/Noise Ratio (A-weighted)	≥115dB	≥115dB	≥115dB
Crosstalk (1kHz)	≥110dB	≥120dB	≥120dB
Crosstalk (10kHz)	≥105dB	≥105dB	≥130dB
Frequency Response (20Hz - 20kHz)	±0.5dB	0dB to -0.3dB	0dB to -0.3dB
Total Harmonic Distortion	≤0.001%	≤0.0006%	≤0.0006%
IMD (SMPTE)	0.005%	0.005%	0.005%
IMD (CCIF)	0.003%	0.003%	0.003%
GENERAL			
Standby Power	≤0.5W		
Supports bit rate/sample rate	up to 24/192		
Unit Dimension (WxHxD) - Gross*	58 x 186 x 208mm 2 5/16 x 7 3/8 x 8 1/4" **		
Net Weight	1kg (2.2lb)		
Shipping Weight	2.1kg (4.6lb)		

\* Gross dimensions include extended buttons and rear panel terminals.

\*\* Non-metric measurements are approximate. NAD Electronics will not assume any liability for errors being made by retailers, custom installers, cabinet makers, or other end users based on information contained in this document.

Note: Installers should allow a minimum clearance of 55mm for wire/cable management.



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