

MUSICAL FIDELITY

# M6 DAC



SUPERIOR PERFORMANCE DAC

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October 2012. NEW! M6 DAC. All inputs asynchronously relocked and upsampled to 24 bit/192kHz. Ultra low noise, outstanding linearity and very low distortion.

### Overview

The M6 DAC was designed for reference level performance. It has a dual mono DAC configuration which gives outstanding technical and sonic performance.

- 2 x COAX inputs (up to 192kHz, galvanically isolated),
- 1 x AES/EBU balanced input (up to 192kHz, galvanically isolated),
- 1 x USB up to 192kHz (asynchronous and galvanically isolated),
- 1 x Optical up to 96kHz,
- 1 x Bluetooth apt-x. 48 kHz.

The M6 DAC has single ended and balanced audio outputs as well as digital outputs (COAX, optical and AES/EBU).

All input level sensitivities are individually programmable with back up memory.

### Performance

We believe that a DAC's sound quality is closely related to its technical performance. The more data retrieved the better. More is more.

All our measurements are made on a Rhode and Schwarz UPV. The THD is very low. At 10kHz it is less than 0.0012%. At 50kHz it is 0.001%. These are outstanding measurements by any standard.

Linearity is  $\pm 0.3\text{dB}$  down to  $-120\text{dB}$ . The signal to noise ratio is also outstanding at  $-120\text{dB}$ .

The M6 DAC has excellent technical performance. It is an extraordinarily accurate monitoring device.

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### Configuration

The M6 DAC has a dual mono bloc configuration. There is a separate dual differential DAC for each channel. The selected sample rate converters reclock all data and are, in themselves, asynchronous. The power supply is ultra low noise and encapsulated for maximum isolation. In addition, the M6 DAC has choke regulated smoothing and 32 polypropylene capacitors for perfect decoupling and isolation.

### Bluetooth

An increasing number of music loving audiophiles are storing their music on phones and other portable devices. The M6 DAC has a very high quality Bluetooth apt-x input. This module has its own separate power supply. Interestingly, we take the I2S from the module straight to the sample rate converters. The combination of apt-x and our coupling system yields unexpectedly high audio quality from the much maligned Bluetooth system. Also there is something magical about transmitting music from your phone straight to your hi-fi system. It's fun! Not a word normally associated with the audio.

### General points

- two position selectable roll off filter rate
- de emphasis, either auto detect or off
- All inputs reclocked and upsampled to 24bit 192kHz in MF's asynchronous sample rate converters
- All inputs have individually programmable level controls

### Sound Quality

Sound quality is a matter of opinion, no matter what people may say. So here's our opinion of the M6 DAC; exquisitely detailed sound from a black velvet background. Holographic imaging. Huge dynamic range. Deep fast bass. Sparkling clear top end but with no harshness. Truly reference level performance.

The M6 DAC will be available from October this year priced at £1999 UK retail.

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**Musical Fidelity Limited**

24/26 Fulton Road, Wembley, Middlesex HA9 0TF  
United Kingdom

[www.musicalfidelity.com](http://www.musicalfidelity.com)

Designed in England. Made in China