



DacMagic 200M

Digital to Analogue Converter and Headphone Amplifier



Shine the Light on Music

Digital audio files can be packed with incredible musical detail, but they need to be converted to analogue first for you to hear it.

And how good it sounds will depend on how well the digital audio from your computer, network player or CD is converted. DacMagic 200M's twin ESS DACs decrease crosstalk and improve separation because there's a DAC dedicated to both left and right channels

These fully balanced, optimised, and efficient signal paths reveal previously hidden glittering musical prizes

Highlights

- **Dual ESS SABRE ES9028Q2M Reference DACs** – one per channel, handles digital audio up-to 24-bit/768kHz or DSD512
- **Digital Inputs:** 2 pairs of optical & coaxial terminals, plus USB Audio – for audio sources incl. CD & Blu-ray players, laptops, games consoles etc.
- **Analogue Outputs:** ¼" headphone, XLR & RCA connectors – for max. versatility
- **Bluetooth aptX input** – wirelessly receive digital audio from smart devices
- **Supports MQA** – for artist-approved studio-quality digital audio
- **Compact half-width hi-fi unit** – small enough to fit, big enough to perform

Specification

DIGITAL TO ANALOGUE CONVERTERS	Dual ESS ES9028Q2M DACs
DIGITAL FILTER	Selectable, Fast – Slow – Short delay
FREQUENCY RESPONSE	10Hz to 50kHz (±1dB)
THD+N @ 1KHZ 0DBFS	<0.0005% (A-Weighted)
SIGNAL TO NOISE RATIO	>115dB (A-Weighted)
CROSSTALK @ 10KHZ	< -110dB
OUTPUT IMPEDANCE	<50 Ohms (unbal), <100 Ohm (bal)
MAX. OUTPUT LEVEL (UNBALANCED)	2.1V rms (fixed or variable – user selectable)
MAX. OUTPUT LEVEL (BALANCED)	4.2V rms (fixed or variable – user selectable)
DIGITAL INPUT WORD WIDTHS SUPPORTED	16bit (Bluetooth), 16-24bit (Optical, Coaxial), 16-24bit (USB)
DIGITAL INPUT SAMPLING FREQUENCIES SUPPORTED	44.1kHz to 96kHz PCM, DoP64 (Optical), 44.1kHz to 192kHz PCM, DoP64 (Coaxial), 44.1kHz to 768kHz PCM, Native DSD 64x to 512x, DoP 64x to 256x (USB)
MQA COMPATIBILITY	Full decoding (Core + Renderer)
BLUETOOTH	v4.2, A2DP profile, SBC and AptX codecs
ROOM TESTED	Yes
HEADPHONE OUTPUT THD+N	< 0.001% at 1kHz 0dBFS @ 100mW into 32ohm
HEADPHONE OUTPUT S/N	> 115dB (A-Weighted)
MAX OUTPUT POWER	>300mW @ 32ohm, >65mW @ 150ohm
FREQUENCY RESPONSE	10Hz - 50kHz (±1dB)
RECOMMEND HEADPHONE IMPEDANCE	10 Ohm to 600 Ohm
MAX POWER CONSUMPTION	12W
COLOUR	Lunar Grey
DIMENSIONS (W X H X D)	215 x 52 x 191mm; (8.6 x 2.0 x 7.6")
WEIGHT	1.2kg/2.6lbs