CAMBRIDGE AUDIO

DACMAGIC 200M

DIGITAL TO ANALOGUE CONVERTER

V1.0 09/11/20

GREAT BRITISH SOUND SINCE 1968

DACMAGIC 200M

DIGITAL TO ANALOGUE CONVERTER

Digital audio is brilliant, but it needs to be analogue audio before you can hear it. And the way it ends up sounding depends entirely on how you convert the digital audio files stored on your computer, on CD or from your favourite streaming service.

DacMagic 200M performs the digital-to-analogue conversion perfectly every time, letting all kinds of audio systems sound better than ever before.

MQA DSD Direct Stream Digital Hi-Res AUDIO Bluetooth™ Qualcomm® aptX™

CAMBRIDGE AUDIO

GREAT BRITISH SOUND SINCE 1968

ARTIST APPROVED AUDIO

If you want to hear music exactly as it was recorded in the studio, listen to it as an MQA file. MQA is an award-winning British technology that not only captures every fine detail of a recording but also makes it easy to stream. TIDAL, for instance, uses MQA technology to deliver its 'better than CD-quality' TIDAL Masters streams.

DacMagic 200M is Cambridge Audio's first product to support MQA. It can fully decode and convert these incredibly accurate files, so they sound exactly as the artist intended. Look out for the blue 'MQA' indicator on the front panel - when lit, you know you're listening to artist-approved studio-quality audio.

CAMBRIDGE AUDIO

GREAT BRITISH SOUND SINCE 1968

POWERFUL PROCESSING

At the heart of the DacMagic 200M is a pair of extremely high-quality ESS Sabre digital-to-analogue converters. They handle digital audio files up to 32bit/768kHz or DSD512, so they can deal with digital music of any kind stored on CDs, smartphones, computers - or anywhere else, for that matter.

Once a digital file is onboard DacMagic 200M, its twin DACs convert it to analogue information with all of its dynamics and detail intact. And because the analogue signal it sends to your audio set-up is so astonishingly free of distortion, so precise and so lifelike, your system will sound more convincing and complete than it ever has before.

GREAT BRITISH SOUND
SINCE 1968

WELL CONNECTED

It's possible to get digital audio files into DacMagic 200M in any number of ways. Digital optical, digital coaxial and USB inputs mean CD players, games consoles, laptops or any other digital equipment can be easily hooked up - and Bluetooth aptX reception means it's just as straightforward to wirelessly deliver files from your smartphone or tablet too.

DacMagic 200M has both balanced and unbalanced analogue outputs, so can be easily connected to audio systems of all types, and switchable filters to give you different sonic options. And as well as its ability to deliver stunning sound to your speakers, it has a high-quality headphone amplifier with 6.3mm output on board too. So you can enjoy DacMagic 200M's thrilling sound quality in private – at whatever volume you like.

CAMBRIDGE AUDIO

EASY INTEGRATION

Despite the incredible number of features, the extensive functionality and the extraordinary technology on board the DacMagic 200M, Cambridge Audio has managed to fit it all into a beautifully built, flawlessly finished steel and aluminium box measuring just 52 x 215 x 191mm.

This means it will fit neatly and discreetly into any existing audio set-up without taking up loads of room or drawing too much attention to itself. All that's required is a balanced or unbalanced connection to your system (and some mains power, of course) for DacMagic 200M to deliver you a sonic upgrade that's way bigger than the box it comes from.

GREAT BRITISH SOUND
SINCE 1968

DACMAGIC 200M

DIGITAL TO ANALOGUE CONVERTER

- Dual ESS Sabre DACs
- MQA and DSD Support
- 6.3mm Headphone Output
- 3 x Pre-set Filters
- Integrated Bluetooth Input: aptX & AAC
- 2 x Digital Inputs
- USB Type-B Input
- Balanced and Unbalanced Analogue Outputs

CAMBRIDGE AUDIO

GREAT BRITISH SOUND SINCE 1968

DACMAGIC 200M

DIGITAL TO ANALOGUE CONVERTER

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)
DIGITAL INPUT WORD WIDTHS SUPPORTED	16bit (Bluetooth) 16-24bit (Optical, Coaxial) 16-32bit (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
MAX POWER CONSUMPTION	12W
COLOUR	Lunar Grey
DIMENSIONS (HXWXD)	52 x 215 x 191mm; (2.0 x 8.6 x 7.6”)
WEIGHT	1.2kg/2.6lbs

CAMBRIDGE AUDIO

GREAT BRITISH SOUND SINCE 1968

DACMAGIC 200M

DIGITAL TO ANALOGUE CONVERTER

HEADPHONE OUTPUT THD+N	< 0.001% at 1kHz 0dBFS @ 100mW into 32ohm
HEADPHONE OUTPUT S/N	> 115dB (A-Weighted)
HEADPHONE MAX OUTPUT POWER	>300mW @ 32 Ohm, >65mW @ 150 Ohm
HEADPHONE FREQUENCY RESPONSE	10Hz - 50kHz (± 1dB)
RECOMMENDED HEADPHONE IMPEDANCE	10 Ohm to 600 Ohm

CAMBRIDGE AUDIO

GREAT BRITISH SOUND SINCE 1968

DACMAGIC 200M

DIGITAL TO ANALOGUE CONVERTER

DACMAGIC PLUS

DACMAGIC 200M

DAC	2 x Wolfson WM8740	2 x ESS Sabre ES9028Q2M
MQA SUPPORT	No	Yes
DSD SUPPORT	No	Yes
BLUETOOTH	Via Dongle	Integrated
INPUT FREQUENCIES SUPPORTED	Up to 192kHz	Up to 768kHz
XLR BALANCED OUTPUT	Yes	Yes
RCA OUTPUT	Yes	Yes
USB TYPE-B INPUT	1	1
S/PDIF INPUTS	2	2
TOSLINK INPUTS	2	2
SELECTABLE FILTERS	3	3
HEADPHONE OUTPUT	6.3mm	6.3mm
HEADPHONE OUTPUT POWER	130 mW @ 32 ohm	300 mW @ 32 Ohm

CAMBRIDGE AUDIO

GREAT BRITISH SOUND SINCE 1968