

DacMagic upsampling digital to analogue converter



With the advent of computer-based music systems, Cambridge Audio's DacMagic upsampling digital to analogue converter is the most affordable and effective way to upgrade any PC, network music device, games console or standard CD/DVD player to truly high end sound quality. Key to its abilities is Adaptive Time Filtering (ATF™) upsampling technology developed in conjunction with Anagram Technologies of Switzerland which converts 16-24 bit audio data to 24 bit/192kHz dramatically improving musical reproduction. A 32 bit Digital Signal Processor (DSP) eradicates jitter which is especially effective with hard disk playback from PCs or Media

Players via network connections. S/PDIF, Toslink and USB inputs mean it can be used to improve a wide range of devices with digital outputs such as soundcards, portable media player docks or networked music devices including sound bridges. Two inputs with both S/PDIF & Toslink sockets allow a wide range of digital sources to be connected such as network music devices, games consoles, CD/DVD players and other digital music devices. Twin Wolfson DACs provide outstanding stereo imaging while a choice of digital filters is available for individual preference and flexibility.

Detailed Specifications

Inputs	2 x digital inputs (choice of either co-axial or optical connection for each) 1 x USB PC digital input
Audio outputs	1 x pair gold plated RCA phono outputs 1 x pair XLR balanced outputs 1 x co-axial digital output (pass through) 1 x optical digital output (pass through)
D/A converters	Dual Wolfson WM8740 24 bit DACs
Digital filter	Texas instruments TMS 320VC5501 DSP upsampling to 24 bit 192kHz
Analogue filter	2-pole dual differential bessel double virtual earth balanced
Frequency response	20Hz to 20KHz (±0.1dB) (steep filter disabled)
THD @ 1kHz 0dBFS	<0.001% 24 bit
Signal / noise ratio	-112dB
Supported digital input upsampling frequencies	32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz
Audio output upsampling	Fixed 24 bit 192kHz
Power consumption	18W
Dimensions (H x W x D)	52 x 215 x 191mm (2.0 x 8.6 x 7.6")
Weight (gross / net)	2kg / 1.3kg
Finishes	Silver / Black

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