

Top reasons to buy a DacMagic 100

DacMagic 100 application guide



Home hi-fi system

The DacMagic 100 is designed to enhance any hi-fi or premium home entertainment system offering enhanced sound quality from any digital music source. With a multitude of connections, music from a computer, home network music client, TV/satellite box, digital iPod dock, Blu-ray player, games console, smart phone or tablet will sound vastly better.



PC/office

Its compact size means DacMagic 100 is ideal for desktop use where it will vastly improve the sound of music stored or streamed from a PC.



Shops/café

Music in shops and cafés is often supplied via laptop or an MP3 player. The DacMagic 100 cuts through the background clatter in stores and cafés delivering clearer, crisper music.



DJs/bars/clubs

DacMagic 100 is ideal for DJs and music venues allowing high quality digital audio files to be delivered from a laptop via the DacMagic 100's asynchronous USB audio input.

LISTENING TIPS

DacMagic 100 is incredibly versatile and will provide different benefits for everyone.



Direct computer connection

24-bit studio master files sound the best they ever can with the DacMagic 100's USB audio input.



LCD/Plasma TV

Constraints of modern TVs mean they offer low-quality sound; connect to a TV and hear the difference.

Here are five reasons to choose the DacMagic 100 over other DACs:

1

Revolutionise digital audio: DacMagic 100 is incredibly versatile, catering for a wide range of digital audio formats. The DacMagic 100 bypasses the inferior processing capabilities of your digital devices to deliver a vastly improved sound.

2

High performance DAC: The Wolfson WM8742 DAC (Digital to Analogue Converter) performs the processing 'magic', which includes the highest quality 24-bit/192kHz studio master files via the on-board USB audio input.

3

Connect up to 4 devices simultaneously: As well as a USB audio input for a computer or laptop, there are many other digital devices which benefit from the DacMagic 100's treatment. The three digital inputs (2 x coaxial and 1 x optical) mean Blu-ray players, digital iPod docks and TVs are just some of the devices which can benefit from the DacMagic 100.

4

Great for Pros too: DacMagic 100 is great for commercial and professional applications, allowing DJs to get the very best from their digital music, and conveniently it's so small it can be carried anywhere.

5

Full metal jacket: All-metal construction provides a low-resonance, vibration-free chassis for the DacMagic 100's premium components. It's also beautiful to operate, feels rock-solid and built to last.

Designer's note



"There are many DACs (Digital to Analogue Converters) on the market so it would be easy to select the best one from a specification sheet. To ensure the best possible sound we prefer to conduct critical listening tests and comprehensive testing. This is the only way we can be sure the components we select deliver the high quality sound we require."

Sam Ellenby -
Electronics Engineer and DacMagic 100 designer



Top-Tips



Phono output

3 x Digital input – coaxial and optical

USB audio input for up to 24-bit/192kHz playback from PC

Transforms all digital audio to deliver Hi-Fi sound

This is a high performance Digital to Analogue Converter at a great value price

Music is available from a wide range of digital sources, such as computer, TV or iPod, many of which have low quality internal DACs (Digital to Analogue Converters) compromising the enjoyment as a result. Designed by music lovers, for music lovers, the DacMagic 100 embraces today's digital audio sources such as iPod docks, CD players, or computers by producing a great value upgrade bridge between a source and the amplifier, guaranteed to extract the most information and enjoyment possible from the music. The DacMagic 100 has the flexibility to connect up to four digital sources simultaneously. Combining its digital to analogue conversion technology and audiophile-grade components, the DacMagic 100 will enhance the audio from a digital source and pass it to the amplifier, for results you can hear.

The USB audio input enables you to enjoy music on a computer, perhaps stored in iTunes or streamed from Spotify and even supports studio quality files. The three digital inputs

allow connection of multiple devices including a CD player, Blu-ray player, TV, satellite box or a games console. Built to last, the DacMagic 100 has a compact, ultra-rigid, brushed metal construction so its components have a solid environment to work without hindrance.

At a glance - the DacMagic 100 works with the following digital sources:



MP3 Players



Computers



TVs



Games console



DVD/Blu-ray



Media players

The inside story

24-bit/192kHz playback via USB audio port

The DacMagic 100 features a high quality asynchronous USB audio input for playback of up to 24-bit/192kHz high resolution files from a connected PC. An asynchronous USB audio input allows bit-perfect transfer from the connected computer to the DacMagic 100, ensuring all data is delivered in perfect timing for the highest possible sound quality. See our 'Audiophiles Guide to Bit-Perfect USB Audio' at www.cambridge-audio.com.

Flexible digital audio connectivity

As well as the USB audio port, the DacMagic 100 features three additional digital inputs (two coaxial and one optical). Ideal for connection to a wide range of digital source devices such as a digital iPod dock, CD player or computer, allowing you to enjoy uncompromised digital audio.



High performance Wolfson WM8742 DAC

At Cambridge Audio we strive for audio perfection which is why we specified the Wolfson WM8742 DAC (Digital to Analogue Converter). Chosen because it sounded the best, this will ensure the quality of digital audio is maintained throughout the conversion process, so you enjoy digital audio without compromising quality.