

Top reasons to buy a DacMagic Plus

DacMagic Plus delivers exceptional quality digital audio... here are 10 reasons to choose this over other DACs:

- 1 Revolutionise digital audio:** DacMagic Plus is incredibly versatile, catering for a wide range of digital audio formats. Its ability to transform low-quality files into high-quality jitter-free audio – by upsampling to 24-bit/384kHz – makes it ideal for those new to digital music and audiophiles alike.
- 2 Better than CD sound:** A dedicated USB input for computer connection, handling up to studio-quality 24-bit/192kHz files gives the very best ever audio performance from a PC. Fact!
- 3 Convenient wireless streaming:** The optional BT100 audio receiver adds instant showroom appeal. Nobody can fail to be impressed by this simple, fantastic sounding feature (even better with aptX enabled devices!). Best of all is its ability to work with any mobile device with Bluetooth support makes DacMagic Plus the must-have solution for Android, Windows Mobile and of course iPhone users!
- 4 Versatile connectivity:** Four devices can be connected. Just toggle between TV, PC, Blu-ray, smartphone or whatever's connected from DacMagic Plus' front panel. Selectable filters allow you to tune the sound to suit each source input.
- 5 Great for Pros too:** DacMagic Plus is great for commercial and professional applications. Phono and XLR outputs provide connection to high-end amplifiers, and professional audio systems.
- 6 Enhance personal audio:** The premium headphone market has exploded and DacMagic Plus gives best-ever performance as well as volume control. No need for a separate headphone pre-amplifier!
- 7 Pre-amp:** Volume can also be controlled from the front panel allowing DacMagic Plus to be used as a fully digital pre-amplifier. Connect it to active speakers or a power amplifier.
- 8 Intelligent selection:** Digital Pass Through automatically detects signal type. So for example, when a Blu-ray player is connected to an AVR via DacMagic Plus, stereo music tracks are processed by DacMagic Plus whereas multi-channel movie soundtracks are passed through DacMagic Plus and left for the AVR to process.



- 9 Great sound for everyone:** It's simple to set-up and use... Unlike many hi-fi and AV products, DacMagic Plus is really easy for all the family to enjoy. Simple front panel controls allow source selection and thanks to horizontal or vertical mounting (just place it in the supplied mount), DacMagic Plus can be located next to any entertainment system.

- 10 Best possible construction:** All metal construction provides a low-resonance, vibration-free chassis for DacMagic Plus' premium components. It's also beautiful to operate, feels rock-solid and is built to last.

Designer's note



"I've been working on its creation from the beginning and I also have a DacMagic Plus prototype at home. You could say I'm obsessed! Most of my music's stored on my MacBook and I just love the depth DacMagic Plus provides. It reproduces every detail, every rattle and every sigh. Listen to a track like The Rosenberg Trio's version of My Blue Heaven through DacMagic Plus and it just sounds incredible..."

Niall Dunican, Software engineer and DacMagic Plus developer



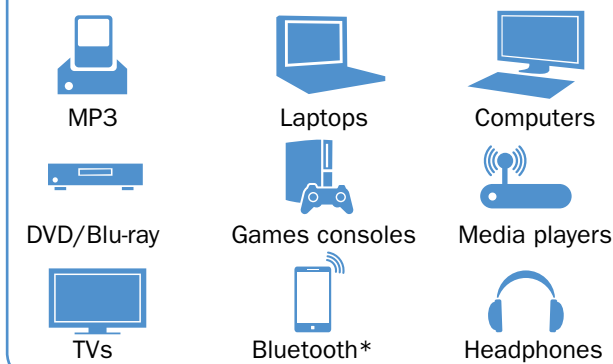
The best DAC just got even better!

Digital music has revolutionised the way we experience audio. Unfortunately devices used to play back digital music such as laptops, TVs and games consoles are not optimised to deliver music, so the quality of audio they transmit is generally of a poor standard. DacMagic Plus has been developed to significantly improve the performance of these products and gives you the ideal opportunity to offer a high-quality audio experience to a range of digital music customers. Whether making low-quality MP3 tracks sound great, or delivering better than CD-quality studio master files, the DacMagic Plus is incredibly versatile.

DacMagic Plus simply connects to any device fitted with a Digital Audio or USB connection, including PC, digital iPod dock or TV, and using Cambridge Audio's award-winning sound processing technology, upgrades the sound before it reaches the amplifier.

Music can also be wirelessly streamed from an iPhone, Android smartphone, iPad, tablet, laptop (or any device that supports Bluetooth* to the DacMagic Plus to deliver high quality audio for convenience without compromise.

The DacMagic Plus works with:



The inside story

Not one, but two audiophile-grade DACs

DacMagic Plus features twin Wolfson WM8740 DACs used in 'dual differential' mode. This means that each stereo channel processes information completely separately for greater accuracy, bringing the listener much closer to the original recording.

ATF2™ Adaptive Time Filtering/Analog Devices 32-bit DSP

DacMagic Plus features ATF2 (2nd generation Adaptive Time Filtering), an upsampling process developed in conjunction with Anagram Technologies of Switzerland.

This intelligently adapts incoming audio data to 24-bit/384kHz through the use of a 32-bit Analog Devices DSP (Digital Signal Processor).

The ATF2 system dramatically reduces digital jitter, a form of audible interference which affects all digital music. Jitter is most apparent to the human ear when music is stored on computer hard drives and is the audio equivalent to a blurred image in a movie.

High performance USB

DacMagic Plus features a USB audio input for a dedicated PC connection with playback at 24-bit/96kHz (driverless). It can also have studio-quality 24-bit/192kHz playback (Windows driver required – free via www.cambridge-audio.com – no driver required for Macs).

Host of connectivity options

In addition to the USB input, DacMagic Plus features two digital inputs (a coaxial and optical connection for each). RCA phono outputs connect to the amplifier and XLR outputs allow connection to high-end or professional audio systems. What's more, there's also a headphone output with volume control.

*Optional BT100 wireless audio receiver required.



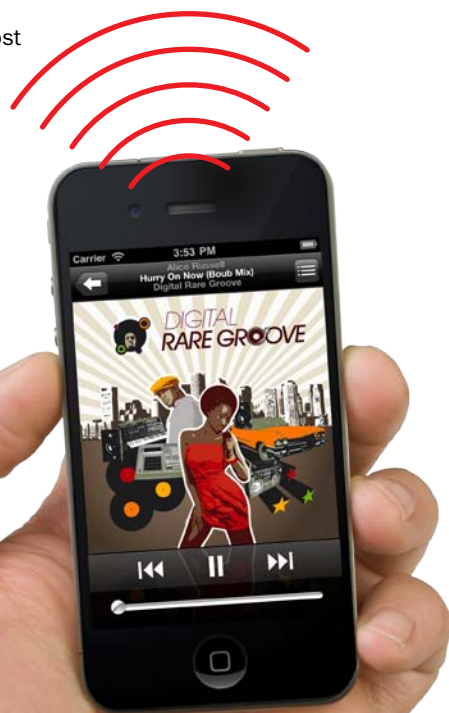


BT100 wireless audio receiver

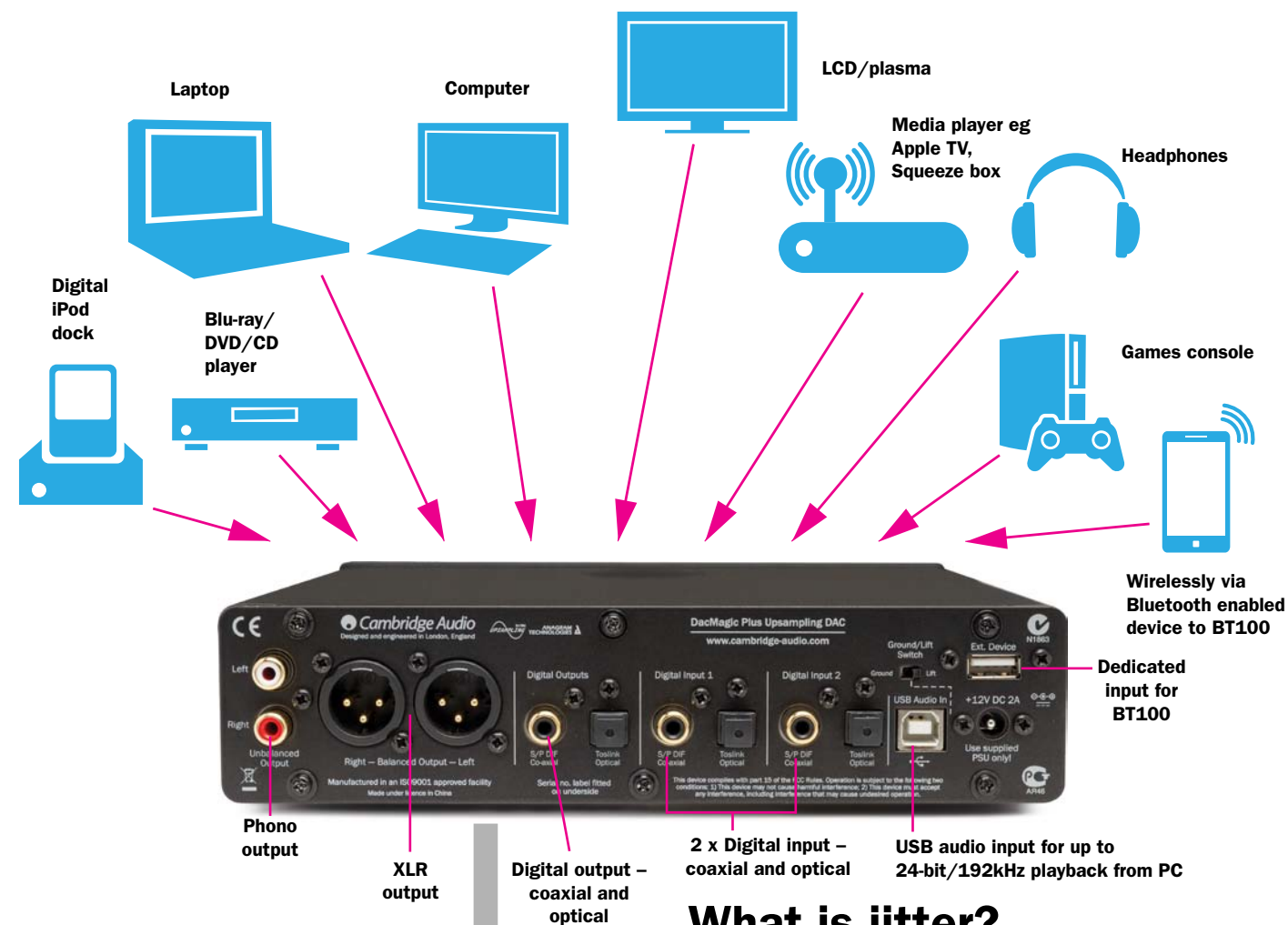
Connected to its own dedicated USB socket, the optional BT100 provides the freedom and convenience to enjoy high-quality audio streamed wirelessly from a Bluetooth-enabled device such as a smart phone to the DacMagic Plus. And because it operates over Bluetooth, no wi-fi network or passphrase is required and pairing takes just seconds.

aptX compatible Bluetooth streaming

Its default setting supports the standard SBC Bluetooth CODEC but it provides even greater enhancement to devices that support the aptX CODEC, such as the latest Android smartphones, tablets and MacBooks. In fact with aptX, quality is almost comparable with CD!



DacMagic Plus will transform any digital music source!



What is jitter?

Clocking and jitter-based distortion is a real problem from music stored or streamed from hard-drives. The human ear is very sensitive to timing errors because we rely on time information to locate events in space-time.

Jitter blurs the timing of the reproduced audio signal, resulting in degraded audio quality. It's the audio equivalent to seeing a blurred image in video – something no customer would accept.

DacMagic Plus reduces jitter to almost immeasurable levels, massively increasing audible quality of your digital music.



The video equivalent of jitter is a blurred image like this

LISTENING TIP

DacMagic Plus is incredibly versatile and will provide everyone with different benefits. You will therefore have a range of listening opportunities:



Wireless audio connectivity from any Bluetooth-enabled device

DacMagic Plus' upsampling process enhances even low-quality MP3 files over Bluetooth



Enhanced aptX wireless audio

CD-quality wireless music through DacMagic

Galaxy Tablet 7.0

MacBook or Apple computer – OS X or OS X Lion



LCD/Plasma TV

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



Direct computer connection

DacMagic Plus enhances any size digital audio file, but 24-bit studio master files sound the best they ever can with the DacMagic Plus' 24-bit/384kHz processing system.

DacMagic Plus application guide



Home hi-fi system

DacMagic Plus 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 stored on a computer, home network music client, TV/satellite box, digital iPod dock, Blu-ray player, games console, smart phone, tablet sound vastly better.



PC/office

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



Shops/café

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



DJs/bars/clubs

DacMagic Plus is ideal for DJs and music venues allowing digital audio files to be delivered from a laptop via the DacMagic Plus' USB port. RCA phono and professional XLR connections ensure connectivity with virtually any system.