# Top reasons to buy a Stream Magic 6

The Stream Magic 6 not only unifies digital music from a wide range of sources, it also outputs in incredible quality. Here are 13 reasons to choose the Stream Magic 6:

**1** **Upsampling digital hub:** The Stream Magic 6 unifies a host of different digital audio sources, locally and from around the world, using upsampling technology to make all music sound fantastic.

**2** **Free dedicated Stream Magic Apps:** Apps for iPhone/iPad/iPod touch and Android devices allow the freedom and convenience of effortless and intuitive control of a Stream Magic 6's connected sources and services.

**3** **Easy to set up and configure:** Once connected to a home network (the same way a computer would connect to the internet) you can start to enjoy your music and all the Stream Magic 6's connected services.

**4** **High-end components and technologies:** High quality twin Wolfson DACs ensure great sound, plus our latest ATF2 upsampling technology works to significantly improve all audio from the Stream Magic 6 to 24-bit/384kHz.

**5** **Lossless studio quality audio:** Asynchronous USB audio input supporting 24-bit/192khz studio quality files for the best sound from a PC/Mac.

**6** **Access music anywhere in the home:** With a wired and wireless (using the latest Wi-Fi standards) network connection, the Stream Magic 6 can access music stored anywhere in the home.

**7** **High-end connections:** Balanced analogue XLR outputs allow the best possible connection to a high-end amplifier, such as the Cambridge Audio azur 851A. Standard phono/RCA outputs are also available.

**8** **Digital connections:** Connect a host of devices such as a digital iPod dock, TV or games console.

**9** **Bluetooth connectivity:** With the optional BT100 Bluetooth receiver, you can wirelessly stream music direct from any Bluetooth enabled device (iPhone, iPad, smart phone laptop, Macbook) to the Stream Magic 6. This added functionality allows you to browse and control endless content these devices offer from the comfort of a chair.

**10** **Solid, all metal construction:** The Stream Magic 6 has an all-metal construction to ensure all components are completely isolated for the very best possible performance. What's more, the elegant brushed metal finishes mean it'll look great in any environment too.

**11** **Digital filters:** You can tweak the sound to suit your own preferences with three selectable digital filters - linear, minimum and steep.

**12** **Pre-amplifier mode:** The Stream Magic 6 can even be switched to a pre-amp too, for direct connection to active speakers or a power amplifier.

**13** **Around the home:** There is no limit to the number of Stream Magic 6 devices which can be used. With more than one unit, you can access your favourite music from computers, laptops and NAS drives in different rooms within the home.

**Top-Tips**

# All the music on the planet at your fingertips, in super high quality

**Stream Magic 6 upsampling network music player**

With the advent of home networks, the choice of music is no longer confined to a CD collection. Music stored on a computer, perhaps in iTunes, from streaming services or from over 20,000 internet radio stations is now at your fingertips. However, the benefit of this huge choice can be compromised by the inferior sound capabilities of the source device, such as a computer's sound card – not typically built for sound.

The Stream Magic 6 has been created to give you easy access and control of the wide-range of digital sources in your home and to play them back in the highest quality possible. This enables everyone to fully enjoy the virtually limitless musical choice available to you.

With such disparate sources and files coming together, it is essential the Stream Magic 6 is as easy to control as it is great to listen to. We have taken the same care and attention to detail in creating our user interface that we do over our audio performance. The Stream Magic 6 can be controlled from the front panel and the included remote control. However, the free Stream Magic remote App (for iPhone/iPad/iPod touch and Android devices) is by far the best way to effortlessly browse and choose music by artwork, genre, album, artist etc. and by creating playlists.

## Stream Magic 6 at a glance:

- Improves all digital music
- Supports many CODECs
- Connect to PCs, Macs, NAS drives & USB
- Access 20,000+ internet radio stations & more
- Easy to control with Free App
- 2 x digital inputs & XLR output
- Pre-amplifier mode with volume control
- Optional Bluetooth wireless audio receiver

## The inside story

### Two high performance Wolfson DACs

The Stream Magic 6 employs twin Wolfson WM8740 DACs (Digital to Analogue Converters) used in 'dual differential' mode allowing the audio data for each channel to be converted completely separately for greater accuracy and ultimately a superb sound performance.

### ATF2 Adaptive Time Filtering

All music is significantly enhanced thanks to our 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. The ATF2 system reduces jitter (timing errors), an audible form of interference which affects all digital music, particularly when stored on computer hard drives and is the audio equivalent to a blurred image.

### Networked music and USB connectivity

The Stream Magic 6's flexibility means music files can be accessed from a variety of sources. Users can access files stored on a PC/laptop (Windows 7, Vista, XP), virtually any MAC or a NAS (Network Attached Storage) drive with UPnP (Universal Plug 'n' Play) file sharing enabled. The high quality asynchronous USB audio input allows playback of up to 24-bit/192kHz high resolution files from a connected computer for bit-perfect transfer to the Stream Magic 6, ensuring all data is delivered in perfect timing for the highest possible sound quality. Additionally, there are two USB inputs for local media stored on USB HDD (memory sticks or external USB drives).

### File formats

The Stream Magic 6 supports many CODECs including, 'better than CD' quality 24-bit/96kHz FLAC/WAV files, plus AIFF, WMA, MP3, AAC, HE AAC, AAC+ and Ogg Vorbis.
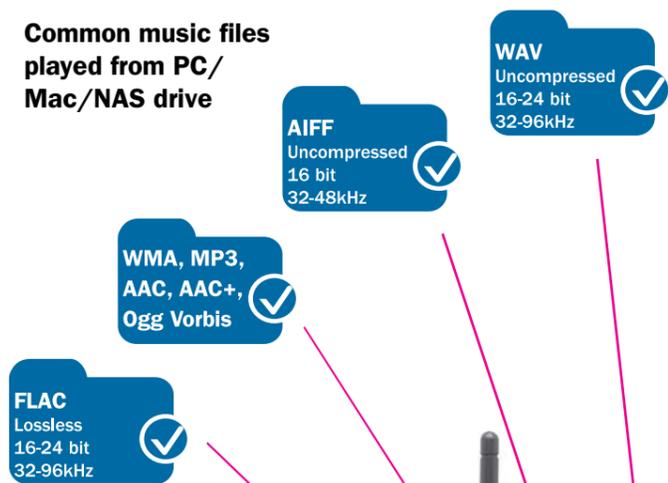
## Built without compromise, using a combination of our own technologies and the finest audiophile components.

**Did you know?**
Users can store music files in multiple locations/devices and access them all through the Stream Magic 6.

**Common music files played from PC/Mac/NAS drive**

**AIFF** Uncompressed 16 bit 32-48kHz ✓

**WAV** Uncompressed 16-24 bit 32-96kHz ✓

**WMA, MP3, AAC, AAC+, Ogg Vorbis** ✓

**FLAC** Lossless 16-24 bit 32-96kHz ✓

**Internet radio**

**Streaming services**

LIVE 365

BBC iPlayer For radio

AUPEO!

### LISTENING TIPS

**Internet radio**
There are over 20,000 local, national and international radio stations available navigated by genre or country. You can set up to 20 presets for quick access to your favourite stations - this can also be done via the App.

**UPnP server**
It's easy to configure a computer to become a UPnP server and access its music content using the Stream Magic 6.

**USB audio input**
Connect the Stream Magic 6 to a computer with iTunes and Spotify to enjoy the enhanced audio it delivers - up to 24-bit/192kHz. Please refer to Cambridge Audio's 'Guide to bit perfect USB audio' when configuring this demonstration.

**Stream Magic App**
Use the App to see how easy and convenient it is to control using an iPhone/iPad/iPod touch or Android device.
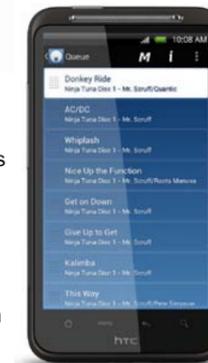
## Stream Magic Apps

As well as sound, user experience is also key for a product with the versatility of the Stream Magic 6. While there's control from the front panel and the included remote, the free Stream Magic remote App (for iPhone/iPad/iPod touch and Android) brings the experience to life. Whether it's flicking through album artwork, building playlists or setting presets, the App enables intuitive browsing and navigation of all the Stream Magic 6's connected sources/services with ease, from the comfort of a chair.

## Application guide

**Main Hi-Fi system**
Customers can enjoy music stored on various devices located throughout the home as well as services from around the world. Plus, the Stream Magic 6's upsampling technology will significantly improve all digital music played through it.

**Digital audio hub and upgrade bridge:**
The Wolfson DACs and ATF2 upsampling technology means all audio, whether from a computer, iPod dock or TV, played through the Stream Magic 6 will be significantly improved.

**High quality sound card:**
Even high quality files are limited by the output quality of the source device (such as a computer) - not typically built for sound. The Stream Magic 6 will bypass this inferior processing and enhance digital music to make it sound better than ever.

**Pre-amp for active speakers:**
The digital pre-amplifier allows you to enjoy the highest quality digital audio with active speakers or direct connection to a power amplifier.

**Convenience of Bluetooth (optional)**
The optional BT100 Bluetooth wireless audio receiver allows you to connect a Bluetooth device such as a smart phone and enjoy from the comfort of a chair.

**IR emitter**
Place the Stream Magic 6 in a cabinet, then simply connect an IR (infra-red) emitter, for full control without 'seeing' the product.

**Wi-Fi**

**USB HDD/BT100**

**LAN**

**2 x Digital inputs**

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

**XLR output**

**RCA output**

**Control Bus**
Compatible products can be linked for volume and power control from the App

**Did you know?**
It's incredibly easy to turn a computer on a home network into a UPnP device. There is a comprehensive guide at www.cambridge-audio.com covering the latest operating systems for PCs and Macs, which explains the simple steps to achieve this.

**Listening tip**
The Stream Magic 6 can be used as a digital pre-amplifier too, enabling the front-mounted knob to control volume when connected to active speakers or a power amplifier. Crucially, volume is controlled by the DSP (Digital Signal Processor), rather than by reducing the Bit rate or quality.

**Designer's note**
"A great feature of the Stream Magic App for iPhone/iPad/iPod touch and Android is the ability to control a Cambridge Audio azur amplifier or A/V receiver. Just tap the volume buttons on the side of your device (Android) or touch the screen (Apple device) to adjust the volume, adding to the convenience of the App."

*Alexander Edge*
*Software Engineer*