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Evo 75

## The Evolution of Hi-Fi

We have been designing and building outstanding audio equipment for over 50 years. In that time, fashion in hi-fi has changed just as surely as fashion in music - but we've always been at the cutting edge.

EVO is the all-in-one system with the simplicity to match its stylishness, the stylishness to match its sound quality, and the sound quality to make you fall in love with your favourite music all over again.

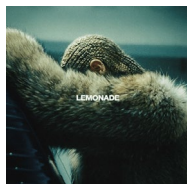
## Demonstration Tracks

At Cambridge Audio we use our ears constantly, both as passionate music lovers and audio professionals looking for test examples. We test our products with all types of content and the following suggestions are our picks for a great demo experience for your customers.

### DADDY LESSONS

by **BEYONCÉ**

*Lemonade (2016)*

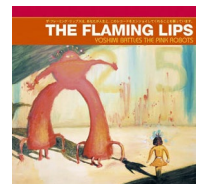


From her groundbreaking Lemonade album, the intimacy of Beyoncé's vocals, with the relaxed hand claps, acoustic guitar and lively brass give this track an immediacy that really draws you into this Texan story.

### YOSHIMI BATTLES THE PINK ROBOTS PART 1

by **THE FLAMING LIPS**

*Yoshimi Battles The Pink Robots (2002)*



The surreal and creative genius of The Flaming Lips is on full, glorious display in this track. Pushing the boundaries of pop, this inventive production is overflowing with perfectly executed experimental sounds and ideas that set the imagination running wild. Evo delivers all of this detail without compromise.

## Great British Sound

What does 'British Sound' mean? To us it's about removing any barriers that might distort or alter the original recording and not adding any of our own flavour. What you hear from our products is a pure and unfiltered 'British' sound – just as the artist intended.

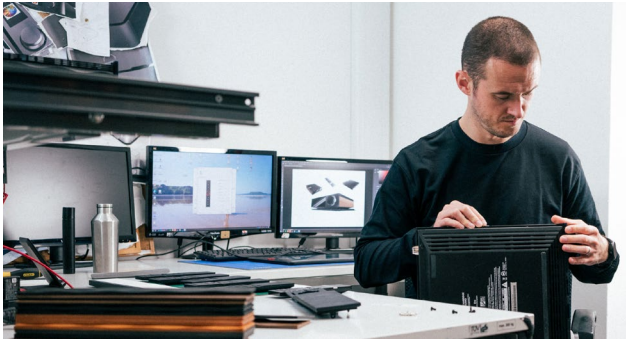


## The sound you've always promised yourself

Because Evo has to offer an uncompromised Great British Sound experience in a small lifestyle-friendly casework, our engineering team have opted to use the Hypex Ncore® module for the power stage of the Evo amplifier, as well as an ESS Sabre digital to analogue converter for the ultimate listening experience.

### VOICED IN LONDON

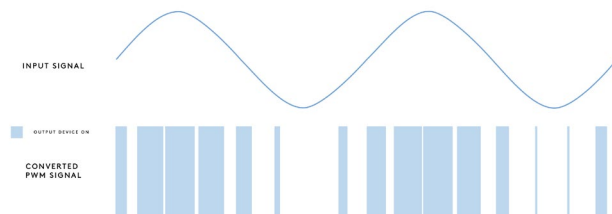
Even the best components don't deliver incredible sound all by themselves. Francesco Bettucci, Stephen Tizzard and Sam Smith spent hundreds of hours in our London laboratory, poring over every detail of the way Evo makes music until they were completely satisfied. Because if our engineers aren't satisfied, they don't think you will be either.



### CLASS D AMPLIFICATION

Both Evo all-in-one-players use revolutionary Hypex NCore Class D amplification - it's rated at 150 watts per channel in Evo 150 and 75 watts per channel in Evo 75.

Until Hypex NCore changed the game, Class D amplification was only about compactness and electrical efficiency - but Hypex NCore also offers obvious superiority where clarity, resolution and outright musicality are concerned. It's a big part of what makes Evo such an enjoyable and convincing listen.



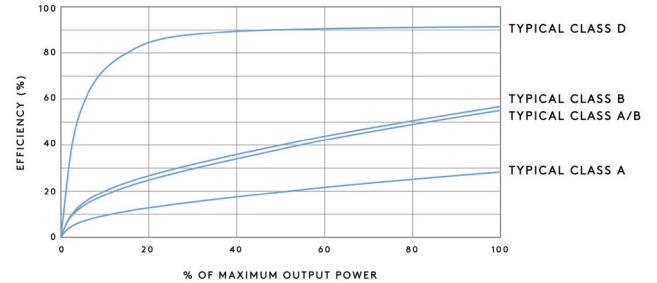
Whilst previous amplifier classes always have one or more output devices active all the time, even when idling, Class D amplifiers rapidly switch their output devices between on and off states many hundreds of thousands of times per second.

The output devices are controlled in Pulse Width Modulation (PWM) mode, where the incoming analogue signal is translated to square waves of varying widths.



### PERFORMANCE EVOLVED

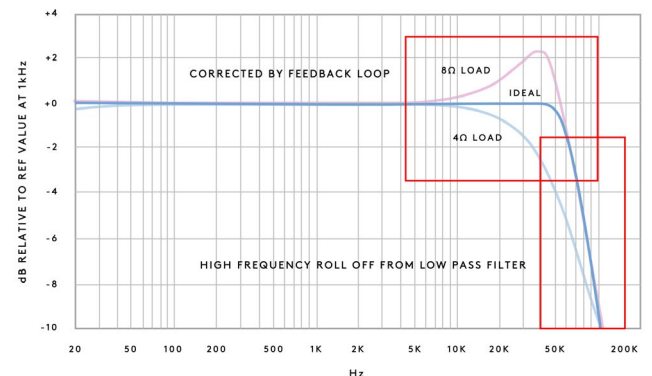
Because PWM operates the output stage in a saturation region (on or off) rather than an active region (where unused power has to be dissipated), real world efficiency can reach 90% or above.



Using Class D amplification, a much higher percentage of energy is converted into sound, less energy is turned into heat and there's no need for the giant heat sinks found in Class A amplification.

### FLAWLESS CLARITY

The final stage of a Class D topology consists of a low pass filter to eradicate high frequencies generated by PWM, and a feedback loop to compensate for unwanted low-pass filter behaviour due to differing speaker impedance.



Poor design in these stages can lead to compromised efficiency, reliability and most importantly, audio quality. Which is why we take the time to get everything spot-on.

Because, when it comes to Great British Sound, only the best is good enough.

### ESS SABRE DAC

The end output from any audio chain is only as good as the weakest component. That being said, the actual digital to analogue converter chip (DAC for short) is an integral part of the process.

The ESS Sabre Reference DACs at the heart of each Evo unit can handle PCM digital signal inputs up to 32 bit 384kHz and DSD 256 with precision, superb dynamic range and ultra-low distortion.

We chose the ES9018K2M for Evo 150 and the ES9016K2M chip-set for Evo 75 due to their precise, jitter-free audio clarity.

## Full stream ahead

Combining streaming smarts and high-class amplification, Evo is fully compatible with the most popular major music streaming services. Say goodbye to metres of connection cables, and 'hello' to intuitive, straightforward functionality in one sleek, good-looking box.

### STREAMMAGIC BUILT-IT

The convenience of music streaming is obvious - but unless it sounds great, what's the point?

Our in-house engineers designed StreamMagic to be the best-sounding streaming platform around - and 10 years into its development, that's exactly what it is.

StreamMagic is constantly evolving to accept new formats and services, which means it will always be the perfect way to stream digital music.

### MQA ONBOARD

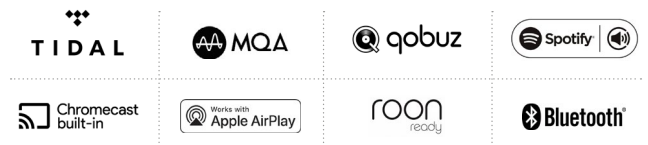
In a very short space of time, MQA has become three letters on much of the audio industry's lips. Now it's included on both Evo units from Cambridge Audio.

Whilst small, easy to stream MP3 files have been around for a long time, the files themselves deliver only 10% of the original studio recording.

MQA stands for Master Quality Authenticated. It's a clever method of ensuring that what gets laid down in the studio streams its way to playback devices around the world, with nothing missing. In fact, it's the TIDAL streaming service's method of choice for delivering better than CD quality streams.

Using specialist equipment to capture the original recording, MQA folds the original hi-res file (be that WAV, FLAC etc) to make it small enough to stream - a process MQA themselves refer to as Music Origami.

These files will then play back on any device that can decode the container, but only devices with an MQA decoder on-board will 'unfold' the file to reveal the entirety of the originally recorded track.



Evo carries the all-new 4th generation StreamMagic module.

### ROON READY

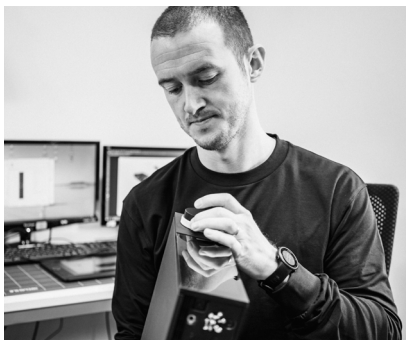
Evo has Roon's highest level of integration built in. Roon is a subscription service that places all of your content from TIDAL, Qobuz, iTunes library or digital downloads alongside each other in a seamless, engaging and user-friendly interface that has a huge amount of additional information you just don't get on a record sleeve or CD cover.

Not only that, but Roon features Roon Advanced Audio Transport (RAAT) and it's the backbone of Roon's audio distribution technology. It's designed to support a wide range of software and hardware applications without format support restrictions or quality compromises.

It provides rich user experiences by integrating with displays, buttons, volume controls, and source switching capabilities all whilst playing music at the highest possible quality available.

## Minimal, timeless design

When Ged Martin sat down in our London studio to design Evo, he knew simplicity is the most elegant aspect of industrial design, and Evo demonstrates his mastery of form and line. He's designed a product that looks timelessly beautiful.



### NOT JUST FOR LISTENING

*"The materials used to create a product have always fascinated me. It's all about details, where different materials meet, and how they work with each other. With Evo, I wanted to take those cues from furniture and interior design, rather than traditional hi-fi. For me, it's important that Evo compliments your living space, even when you're not listening to it."*

Ged Martin, Product Designer, Evo

### CUSTOMISABLE SIDE PANELS

Our story started with the iconic P40 amplifier. So, using the P40's wood trim as inspiration, Ged incorporated beautiful, tactile wooden side-panels into his elegant design. Evo includes a choice of 2 sets of side-panels in the box, both designed using premium materials to accentuate the timeless simplicity of Evo's design and complement your lifestyle.



### COMPLEX SIMPLICITY

Gone are the rows of buttons and dials you often see on high-end audio kits. Instead, Evo features a large 6.8in LCD display that shows off album artwork in full colour, alongside a beautifully engineered dual concentric dial that enables you to navigate menus and control the volume with a simple twist that feels solid and precise.

## Technical Specification



	EVO 150	EVO 75
<b>POWER OUTPUT</b>	150W into 8 Ohms 275W into 4 Ohms	75W into 8 Ohms 150W into 4 Ohms
<b>AMPLIFICATION</b>	Class-D Hypex Ncore®	Class-D Hypex Ncore®
<b>DAC</b>	ESS Sabre ES9018K2M	ESS Sabre ES9016K2M
<b>FREQUENCY RESPONSE</b>	20Hz – 20kHz +0/-3dB	20Hz – 20kHz +0/-3dB
<b>ANALOGUE AUDIO INPUTS</b>	1 x RCA, 1 x balanced XLR, 1 x Moving Magnet Phonostage	1 x RCA
<b>DIGITAL AUDIO INPUTS</b>	2 x TOSLINK optical, 1 x S/PDIF coaxial, 1 x TV ARC	1 x TOSLINK optical, 1 x S/PDIF coaxial, 1 x TV ARC
<b>USB AUDIO INPUT</b>	USB Type B conforming to USB Audio Class 1 or USB Audio Class 2 (user selectable)	N/A
<b>BLUETOOTH</b>	4.2 A2DP/AVRCP supporting SBC, aptX and aptX HD codecs	4.2 A2DP/AVRCP supporting SBC, aptX and aptX HD codecs
<b>COMPATIBILITY</b>	TOSLINK optical: 16/24bit 32-96kHz PCM only S/PDIF coaxial: 16/24bit 32-192kHz PCM only USB Audio Class 1: Up to 24-bit 96kHz (asynchronous) USB Audio Class 2: Up to 32-bit 384kHz (asynchronous) and up to DSD 256 Bluetooth: 4.2 A2DP/AVRCP supporting up to aptX HD (24bit 48kHz) UPnP, Local USB media, Airplay 2, Chromecast built-in, Internet Radio, Spotify Connect, TIDAL Connect, Qobuz, Roon Ready.	TOSLINK optical: 16/24bit 32-96kHz PCM only S/PDIF coaxial: 16/24bit 32-192kHz PCM only Bluetooth: 4.2 A2DP/AVRCP supporting up to aptX HD (24bit 48kHz) UPnP, Local USB media, Airplay 2, Chromecast built-in, Internet Radio, Spotify Connect, TIDAL Connect, Qobuz, Roon Ready.
<b>AUDIO FORMATS</b>	ALAC, WAV, FLAC, AIFF, DSD (x256), WMA, MP3, AAC, HE AAC AAC+, OGG Vorbis	ALAC, WAV, FLAC, AIFF, DSD (x256), WMA, MP3, AAC, HE AAC AAC+, OGG Vorbis
<b>OUTPUTS</b>	Speakers A+B, 3.5mm headphone, Preamp Output, Subwoofer Output, Bluetooth: 4.2 A2DP/AVRCP supporting up to aptX HD	Speakers, 3.5mm headphone, Preamp Output, Subwoofer Output, Bluetooth: 4.2 A2DP/AVRCP supporting up to aptX HD
<b>ETHERNET</b>	IEEE 802.3, 10 Base-T or 100 Base-T	IEEE 802.3, 10 Base-T or 100 Base-T
<b>WI - FI</b>	Dual Band 2.4/5GHz	Dual Band 2.4/5GHz
<b>MAX POWER CONSUMPTION</b>	700w	400w
<b>STANDBY POWER CONSUMPTION</b>	<0.5w	<0.5w
<b>DIMENSIONS (W x H x D)</b>	317 x 89 x 352mm	317 x 89 x 352mm
<b>WEIGHT</b>	5.3Kg	5.0Kg

## Complete Your Evo System

### EVO CD

Evo CD is a custom CD transport developed to partner Evo. It shares the same eye-catching design, the same premium materials - and thanks to our unbeatable S3 Servo, it delivers every scrap of information on your CD, in full and without errors, to your Evo every time. Evo CD lets your CD collection join the hi-fi evolution. Launches late 2021.

