



# CX SERIES 2



THE SOUND OF PROGRESS



CX SERIES 2

CXA61 60W INTEGRATED AMPLIFIER + CXC CD TRANSPORT







## Cambridge Audio. For People Who Listen.

Music lovers around the world are missing out.  
You're missing out.

Poor quality sound systems are everywhere, polluting our world with noise. We're forced to accept bad sound experiences as the norm, which means there are moments in your music, ideas from your favourite artists, that you've never felt in full. That's a crime.

Music is ever present. It shapes who we are. It inspires us, changes us, moves us. We define ourselves through our musical tastes. So why do we let it be demeaned and devalued? Don't we want to hear our music at its best?

We want you to hear your music at it's very best, as the artist intended it to be heard, with nothing added, nothing taken away. That's what we've always wanted because that's what music lovers like us deserve. It's why we are constantly experimenting, solving problems and creating new kit. It's why we've been doing what we do for the last 50 years. It's why we're always trying to make the listening experience better. Pure.

However you listen, whatever your budget, our goal is simple: Give you the best possible sound, at the fairest possible price.

CX SERIES 2

## THE STORY SO FAR...

Music should never be an afterthought, never side-lined, never just 'background noise'.

But as we entered the age of digital, music became a commodity. Presence was sacrificed in the name of convenience and the importance of sound quality was forgotten.

It didn't have to be.

With the original CX Series, we decided to march to the beat of our own drum. We wanted to show that it was possible to build a system that offered all the convenience and simplicity of digital, but made sure that music was placed firmly, squarely, in the centre stage. A system that was precise and detailed. A system that respected music.

For five years, our CX range of two integrated amplifiers, a network audio streamer and a CD transport has been a widely admired, award-winning success story. Five years can be a long time though, and Cambridge Audio isn't a company to rest on its laurels.

CXA80 80W INTEGRATED AMPLIFIER + CXN (V2) NETWORK AUDIO STREAMER





## THE SOUND OF PROGRESS

Half a decade after the CX range redefined performance at its price point, it's time to reimagine, re-engineer and reinvigorate.

Whilst software-based sources - such as the CXN (V2) Network Audio Streamer - have benefitted from constant firmware upgrades to reflect modern listening habits, and CD transports such as the class-leading CXC haven't had to change at all, the progress made in amplifier technology over the last five years has come at a hardware level - and there's no updating that over the internet.

The all-new CXA61 and CXA81 integrated amplifiers build on the foundations laid (and the awards won) by CXA60 and CXA80, but with a fresh and progressive perspective.

Here are two amplifiers with distinct personalities. Two amplifiers with unique characteristics and attitudes. Two approaches to bringing your music collection to life.

CXA61 is 60 watts per channel of pure excitement. It's a punchy and upfront listen, without giving away detail or precision - so it's just as much at home in the mosh-pit as it is the conservatoire.

CXA81 is poised, effortless and sophisticated. Its 80 watts per channel give it complete authority over music, and it wrings every emotional and musical nuance from your whole collection.

CX Series 2 from Cambridge Audio.  
The Sound of Progress.



CX SERIES 2

CXA81 80W INTEGRATED AMPLIFIER + CXN (V2) NETWORK AUDIO STREAMER





**CXA61**  
INTEGRATED AMPLIFIER



**CXA81**  
INTEGRATED AMPLIFIER



**CXN (V2)**  
NETWORK AUDIO STREAMER



**CXC**  
CD TRANSPORT





# CXA61

INTEGRATED AMPLIFIER



CXA61 is designed to bring you closer to the music you love. It's designed to put you right at the heart of your favourite recordings, telling you the story of every note in the most natural, most effortless, most detailed way imaginable. Analogue or digital, lo-fi or hi-res, CXA61 lets the music take you where you want to go.

- 60-watts per channel with Class AB amplification means precise and powerful audio performance
- Extensive connectivity for playing music from digital and analogue sources
- Designed for digital music with built-in ES9010K2M digital analogue converter (DAC)

Full technical specifications on [page 14](#)

## POWER WITHOUT CORRUPTION.

An oversized toroidal transformer gives CXA61 a muscular 60 watts of power for each channel. Painstaking engineering gives it super-low levels of distortion and supreme electrical efficiency. The result is an amplifier with limitless reserves of power, ready to maximise the dynamic potential of any loudspeakers and able to play at any volume level without stress or distortion.

## SONIC INTEGRITY.

CXA61 features a reimagined power amp stage with optimised capacitor values, and a revised volume pot designed to offer minimised crosstalk. The result is a clean, short and pure signal path that allows your music unmatched coherence - at any volume.





## UNCOMPROMISED SOUND.

CXA61 has been engineered, refined and finessed with only one objective in mind: to deliver the most thrillingly musical sound you've ever experienced. Every choice of component, and every engineering decision, has been made in order to minimise colouration of the sound and maximise its accuracy. Cambridge Audio has drawn on every one of its 50 years of experience to make CXA61 its most accomplished integrated amplifier yet.

## THE WHOLE OF THE MUSIC.

Because it's designed to deliver the maximum musical experience no matter where the music is coming from, CXA61 has an entirely reengineered digital board featuring the industry-standard ESS Sabre ES9010K2M digital-to-analogue convertor. CXA61 can bring digital audio files up to state-of-the-art 32bit/384kHz and DSD256 resolutions vividly to life, combining convenience with performance in a way unheard-of until now. convenience with performance in a way unheard-of until now.

## PARTNER FOR LIFE.

The amplifier is the heart and the engine of any system - and CXA61 is able to power your favourite speakers and form the centre of your musical experience for years to come.

## COMPLETE MUSICAL FREEDOM.

Pair any Bluetooth device to CXA61 to stream up to aptX HD-quality audio. Because there's no need to compromise your musical experience when you decide to cut the cord.





# CXA81

INTEGRATED AMPLIFIER



How do you take an admired and successful integrated amplifier, one that's won respect and plaudits around the world, and make it even better? Well, if you're a Cambridge Audio engineer, you examine every aspect of the performance - and then you do everything you can to make it 'more'. More refined, more precise, more engrossing... more musical. CXA81: it's everything you loved about CXA80, but more so.

- 80 watts per channel with Class AB amplification means precise and powerful audio performance
- Separate, symmetrical left and right channels are carefully engineered to deliver incredible sound-staging
- Extensive connectivity for playing music from digital and analogue sources, including a USB Audio input
- Designed for digital music with built-in ES9016K2M digital analogue converter (DAC)
- Balanced XLR inputs offer a more accurate audio connection with less noise, even with long cables

Full technical specifications on **page 15**

## THE WHOLE STORY.

CXA81 is designed to bring your music to life, no matter how it's stored. So it features an entirely new digital board, including the cutting-edge ESS Sabre ES9016K2M digital-to-analogue convertor. Which means digital audio files up to a heady 32bit/384kHz, or DSD256, are brought dramatically to life, with every detail and nuance delivered intact and in full. CXA81 combines unparalleled accuracy with vivid musicality, without sacrificing convenience.

## PARTNER FOR LIFE.

Thanks to relentless dedication to progressive engineering, CXA81 is a complete solution. Its combination of versatility, power and audio excellence means it can form the centre of your musical experience for years to come.



## POWER AND CONTROL.

Thanks to numerous improvements and upgrades - and an over-specified toroidal transformer - the CXA81 delivers a prodigious 80 watts of power per channel. This means the CXA81 has complete authority over even the most demanding speakers, it means big dynamic shifts in music are handled with total control, and it means the whole musical picture is available no matter if you're playing at discreet background levels or at party-time volumes.

## UNCOMPROMISED AND UNCOMPROMISING.

All the research, all the development, all the time and effort that's been expended on CXA81 has been for one reason alone: to make this the most accomplished and absorbing integrated amplifier ever offered at the price. Every component selected, and every engineering decision taken, is based entirely on the desire to progress. CXA81 has been designed and specified without compromise, in order to deliver the complete musical picture.

## ABSOLUTE FLEXIBILITY.

CXA81 covers all connectivity bases, giving you complete freedom of choice. As digital optical and digital coaxial inputs, it features unbalanced stereo RCA inputs alongside balanced XLR sockets - and wireless connectivity via Bluetooth's cutting-edge aptX HD standard is on board too. So there's no need to compromise on performance in the name of convenience.

## UNMATCHED SONIC INTEGRITY.

At the heart of CXA81 beats a completely reimagined and redesigned power amplifier stage with optimised capacitor values. The resulting sound is pristine but not clinical, with unrivalled musical coherence no matter the source.





‘A solid and classy piece of kit. Stereo imaging is impressive... the CXA61 is a real winner’



WHAT HI-FI

‘[The CXA81] Sets a new baseline for integrated amps... a rare product that has the ability to make us switch off our reviewing brain and simply let us be wowed’



WHAT HI-FI

‘Wonderfully entertaining... the CXN (V2) is the best streamer out there at this price point.’



WHAT HI-FI

‘Well built. Simple to use. If you’ve already got a good DAC, the Cambridge CXC is a no-brainer.’



WHAT HI-FI







# CXN (V2)

NETWORK AUDIO STREAMER

Everyone loves the convenience of digital audio. Nobody enjoys the compromises digital audio playback sometimes involves. That's why the CXN (V2) is designed to provide the effortless accessibility of digital audio, but with the uncompromised sonic excellence of Cambridge Audio's 50-plus years of hi-fi experience. Ease of use meets quality of performance.

- Hear Everything – Experience more detail in your digital music with CXN (V2)'s stunning sound quality
- Connect to Anything – USB, Coaxial and TOSLINK wired connections. AirPlay 2, Chromecast built-in wireless connections
- Built for Streaming – Includes Spotify Connect, and support for TIDAL via a dedicated app
- Improved Internet Radio Experience – Less buffering, even on slower networks
- Award Winner! *What Hi-Fi?* Best Buy Network Player 2018

Full technical specifications on **page 16**

## THE WORLD'S MUSIC, ANY WAY YOU WANT IT.

Digital audio is available from many sources - and CXN (V2) is able to deliver from those you love most. Spotify Connect, Apple AirPlay 2 and TIDAL offer a world's-worth of content, there's Chromecast built-in to make things even easier, and the CXN (V2) is Roon Tested which means your NAS and UPnP audio is at your fingertips too. Add digital optical and coaxial inputs, asynchronous USB socket, aptX Bluetooth (via adapter) and internet radio, and CXN (V2) brings the planet's music into your home.

## CONTROL: PURE, SIMPLE AND COMPLETE.

Interacting with CXN (V2) couldn't be simpler or more satisfying. The bespoke Cambridge Audio StreamMagic app allows straightforward, stable and intuitive control of all connected sources - curate playlists, set presets or browse albums conveniently and in comfort. Then allow the big, colourful and crisp fascia display to show your commands or the album artwork of the music you're enjoying.





## AWARD-WINNING STREAMING.

Four What Hi-Fi? Awards in a row speaks volumes about how well-loved the CXN is - but Cambridge Audio is always searching for ways to improve. A constant programme of development, a constant desire to seek out gains in performance, and the ability to update the CXN (V2) remotely, as and when it's required, means the best network audio streamer around just keeps on getting better.

### WHAT HI-FI? AWARDS 2015

#### PRODUCT OF THE YEAR

**Streamers**  
Best streamer £500-£1000  
**Cambridge CXN**

### WHAT HI-FI? AWARDS 2016

**Streamers**  
Best music streamer £500-£1000  
**Cambridge CXN**

### WHAT HI-FI? AWARDS 2017

**Music streamers**  
Best music streamer £500-£1000  
**Cambridge CXN**

### WHAT HI-FI? AWARDS 2018

**Streamers**  
Best music streamer £500-£1000  
**Cambridge CXN V2**

## THE WHOLE STORY.

Getting hold of the music you want is one thing. Being moved by the fidelity of its reproduction is quite another. That's why CXN (V2) is packing dual Wolfson WM8740 digital-to-analogue converters - by upscaling any digital audio information to an information-packed 24bit/384kHz using Cambridge Audio's unique ATF2 technology, music is delivered with the sort of warmth, depth, nuance and unity not automatically associated with digital audio.

## POWER IN YOUR HANDS.

CXN (V2) features prodigious processing power, quite unlike that of any nominal rival. Cambridge Audio's renowned StreamMagic platform ensures a slick, seamless and stable listening experience from any source, and its out-of-the-box mpeg-DASH and HLS compatibility means live streams are equally consistent and of equally high quality.

roon  
tested

Works with  
Apple AirPlay

Hi-Res  
AUDIO

Spotify

TIDAL

Chromecast  
built-in

Bluetooth®



Bluetooth aptX connectivity available via optional BT100 Bluetooth Adaptor

'A great streamer just got even better.'

- WHAT HI-FI?

'The CXN (V2)'s streaming skills are mighty impressive... it simply sounds fab.'

- HI-FI CHOICE

'Great sound [and] build quality you'd expect to pay more for...'

- SOUNDSTAGE HI-FI

# CXC

CD TRANSPORT

The compact disc format has been around long enough to include an enormous catalogue of music of all types, and to have become very affordable. Even the most evangelical devotee of music streaming will concede there's plenty of life in the little silver disc yet. CXC will let you extract every last drop of musical enjoyment from your CD collection.

- Detailed playback of audio CDs
- State-of-the-art, proprietary servo to regulate the disc speed and ensure error free playback
- Digital only output for a clean signal
- All metal case isolates components, ensuring peak performance

Full technical specifications on **page 17**

## BE TRANSPORTED.

There's absolute purity of purpose to CXC. It's built to read the digital audio information on a CD with absolute, unerring accuracy, and then pass it on to a digital-to-analogue convertor (such as the extremely high-quality DACs found in Cambridge's outstanding new CXA61 and CXA81 integrated amplifiers). Every CXC component is focused only on extracting every iota of information from the disc in its tray.

## PRECISION DRIVING.

The disc drive in CXC was originally developed by Cambridge for its high-end 851C CD player. It's Cambridge's renowned 'S3' servo design, and it has class-leading levels of jitter rejection and error correction - no multi-purpose drive is able to compete with the CXC's levels of precision and stability.



COMPACT  
disc  
DIGITAL AUDIO





COMPACT  
disc  
DIGITAL AUDIO



S3  
S3 SERVO  
DRIVE



'Best CD transport under £500, Awards 2015. If you already have a DAC, this superb-sounding CD transport makes perfect sense.'

- WHAT HI-FI?

'I can't find fault with the CXC's sound... it's doing a top-class job.'

- AUDIO APPRAISAL

# streammagic

The StreamMagic app is the ultimate in control for your Cambridge Audio Streaming products. Compatible with CXN (v2), Edge NQ, CXN, CXR120/200 and 851N, the StreamMagic app gives you fast access to devices, playlists and internet radio.

## Your music at your fingertips

Access the music in your digital library on USB, network drives or even your TIDAL account. Build queues from multiple sources.

## Tailored for you

The music focused 'Hub' tab learns your most used features and provides personalised shortcuts based on how you use your network audio streamer.

## Full control of multiple devices

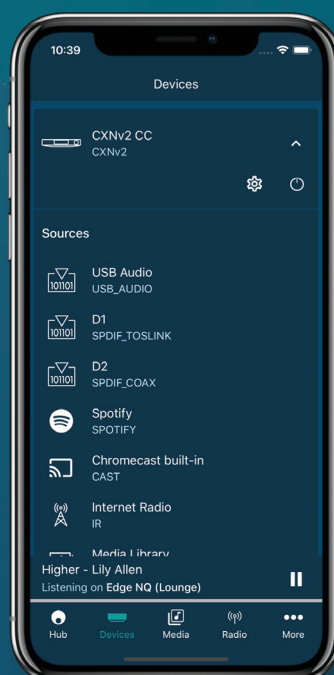
Whether you own one or more Cambridge Audio network audio streamer, StreamMagic handles multiple devices with ease. Change volume and select sources around the home.

## The best of internet radio

From stations on your doorstep to those on the other side of the world, search and save functionality makes finding and playing your favourite programmes and genres fast and simple.

## Configuring your device

Set-up your streamer the way you like it. Rename the unit, set volume limits, change standby modes and much more.









# CXA61



POWER OUTPUT	60W RMS into 8 Ohms, 90W RMS into 4 Ohms
DAC	ES9010K2M
FREQUENCY RESPONSE	<5Hz– 60kHz +/-1dB
ANALOGUE AUDIO INPUTS	4 x RCA, 1 x 3.5mm MP3 input (front panel)
DIGITAL AUDIO INPUTS	1 x S/PDIF coaxial, 2 x TOSLINK optical, 1 x USB audio, Bluetooth (integrated)
COMPATIBILITY	TOSLINK optical: 16/24bit 32-96kHz PCM only, S/PDIF coaxial: 16/24bit 32-192kHz PCM only, USB: audio profile 1.0/2.0 (default 2.0), up to 32bit 384kHz PCM, up to DSD256 or DoP256, Bluetooth: 4.2 A2DP/AVRCP supporting up to aptX HD (24bit 48kHz)
OUTPUTS	Speakers A+B, 3.5mm Headphone, Preamp Output, Subwoofer Output
MAX POWER CONSUMPTION	600W
STANDBY POWER CONSUMPTION	<0.5W
DIMENSIONS (H x W x D)	115 x 430 x 341mm (4.5 x 16.9 x 13.4")
WEIGHT	8.3kg (18.3lbs)



# CXA81



POWER OUTPUT	80W RMS into 8 Ohms, 120W RMS into 4 Ohms
DAC	ES9016K2M
FREQUENCY RESPONSE	<5Hz– 60kHz +/-1dB
ANALOGUE AUDIO INPUTS	1x balanced XLR, 4 x RCA
DIGITAL AUDIO INPUTS	1 x S/PDIF coaxial, 2 x TOSLINK optical, 1 x USB audio, Bluetooth (integrated)
COMPATIBILITY	TOSLINK optical: 16/24bit 32-96kHz PCM only, S/PDIF coaxial: 16/24bit 32-192kHz PCM only, USB: audio profile 1.0/2.0 (default 2.0), up to 32bit 384kHz PCM, up to DSD256 or DoP256, Bluetooth: 4.2 A2DP/AVRCP supporting up to aptX HD (24bit 48kHz)
OUTPUTS	Speakers A+B, 3.5mm headphone, Preamp Output, Subwoofer Output
MAX POWER CONSUMPTION	750W
STANDBY POWER CONSUMPTION	<0.5W
DIMENSIONS (H x W x D)	115 x 430 x 341mm (4.5 x 16.9 x 13.4")
WEIGHT	8.7kg (19.1lbs)

# CXN(V2)



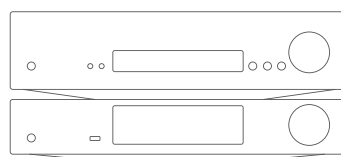
DAC	Dual Wolfson WM8740 24-bit DACs
DIGITAL FILTER	2nd Generation ATF2 up-sampling to 24-bit/384khz
ANALOGUE FILTER	2-Pole Dual Differential Bessel
USB AUDIO INPUT	USB Type B conforms to USB Audio profile 1.0 or 2.0 (user selectable)
DIGITAL AUDIO INPUTS	S/PDIF Coaxial and TOSLINK Optical
ANALOGUE AUDIO OUTPUTS	Balanced XLR and unbalanced RCA analogue
DIGITAL AUDIO OUTPUTS	S/PDIF Coaxial and TOSLINK Optical
COMPATIBILITY	UPnP, Local USB media, USB audio 1.0 and 2.0, S/PDIF Toslink and Coaxial, Airplay 2, Chromecast built-in , Internet radio, Spotify Connect, TIDAL, Bluetooth aptX via BT100 Bluetooth receiver (not supplied)
AUDIO FORMATS	ALAC, WAV, FLAC, AIFF, DSD (x64), WMA, MP3, AAC, HE AAC, AAC+, OGG Vorbis
ETHERNET	IEEE 802.3, 10 Base-T or 100 Base-T
WI-FI	IEEE 802.11 b/g or n (2.4GHz)
MAX POWER CONSUMPTION	30W
STANDBY POWER CONSUMPTION	<0.5W
DIMENSIONS (H x W x D)	85 x 430 x 305mm (3.4 x 16.9 x 12.2")
WEIGHT	3.5Kg (7.7lbs)



# CXC



DIGITAL AUDIO OUTPUTS	S/PDIF coaxial and TOSLINK optical
S/PDIF OUTPUT IMPEDANCE	<75 Ohms
MAX POWER CONSUMPTION	25W
STANDBY POWER CONSUMPTION	<0.5W
GAPLESS PLAYBACK?	Yes
DIMENSIONS (H x W x D)	85 x 430 x 315mm (3.1 x 16.9 x 12.4")
WEIGHT	4.7kg (10.3lbs)



digitalija

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