



CX SERIES | **CXN** NETWORK
CUTTING EDGE DIGITAL AUDIO | PLAYER

CXN NETWORK PLAYER

MAKE YOUR MUSIC SOUND AMAZING, WHEREVER IT COMES FROM



Part of the brand new CX Range, the CXN gives you access to all the music you could ever want, in one high-performance and easy-to-use network player.

We all love to play our music back from just about anywhere; from home networks, hard drives and computers, to online streaming services such as Spotify and internet radio. However, reproducing this digital music as the original artist intended is a complex challenge. The CXN plays music from all of these different digital and streaming sources, and makes them sound far better, just as the artist intended.

The CXN can play everything from compressed MP3 formats, up to 24-bit/192 kHz studio master quality FLAC and WAV files and its wireless playback capabilities also include internet radio, Spotify, Airplay and even Bluetooth. Whichever input the music comes from, wired or wireless, and whatever its original quality or resolution, the CXN upsamples every input to 24-bit/384kHz for the best quality possible.

With a beautiful 4.3" (11cm) colour display, the CXN is as easy to control as it is great to listen to. The CXN can be controlled from the front panel and the included remote control, but the free Cambridge Connect App for Apple 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.

CX SERIES



CXN
NETWORK PLAYER

CXC
DEDICATED CD TRANSPORT

CXA60
STEREO AMPLIFIER

CXA80
STEREO AMPLIFIER

CXR120
AV RECEIVER

CXR200
AV RECEIVER

CXN

Superior connectivity

The CXN has a host of wired and wireless connections so that wherever your music comes from, you can play it back in stunning quality through the CXN:

- **Wireless:** Wi-Fi, UPnP, internet radio, Spotify, Airplay and Bluetooth.
- **Wired:** Ethernet, UPnP, internet radio, 2 x USB HDD inputs, asynchronous USB Audio, 2 x digital inputs including S/PDIF coaxial, TOSLINK optical.

This means you can connect a world of digital source components from set-top boxes to smartphones, tablets and computers, and improve their sound with the CXN. Whatever you connect, the results are astonishing!

- **High quality outputs:** The CXN upsamples every input to 24-bit/384kHz output for the best quality possible. The CXN features both RCA and balanced XLR audio outputs, as found in many modern high-end hi-fi separates (such as our 651W and 851W power amplifiers).

Network music

It's incredibly easy to turn a NAS drive or computer on a home network into a UPnP music source. Then, over Wi-Fi or Ethernet the CXN can play any music that it sees on the network, including FLAC, Apple Lossless, WAV and many more different types of music format.

There are comprehensive guides at support.cambridgeaudio.com covering the latest operating systems for PCs, Macs and for NAS drives, which explain the simple steps to achieve this.

High performance USB

The CXN features a high quality asynchronous USB Audio input for playback up to 24-bit/192kHz high resolution files from a connected computer or laptop. An asynchronous USB Audio input means that the CXN acts as a high quality external soundcard, allowing bit-perfect transfer from the connected computer to the CXN, ensuring all data is delivered in perfect timing for the highest possible sound quality.



Digital Pre, with Analogue Power!

Why not connect the CXN directly to the Cambridge Audio 651W or 851W power amplifier, to create a truly astonishing digital music system!

Unlike many digital pre-amplifiers, the CXN's digital pre-amplifier is the highest possible quality thanks to the powerful 32-bit SHARC DSP (Digital Signal Processor), which we also use to drive our ATF audio upsampling system. Most digital preamplifiers use 'bit reduction' to adjust the level of the volume output, however this results in much lower sound quality because digital information is being cut out of the original audio signal. Instead, the CXN's digital pre-amplifier uses the Blackfin DSP to control the level of the volume output, meaning that the entire digital signal remains fully intact for the best possible sound.



Cambridge Connect Apps

User experience is just as important as sound quality with a product as versatile as the CXN. With a beautiful 4.3" (11cm) colour display and intuitive control Apps, the CXN is as easy to control as it is great to listen to. While there's control from the front panel and the included remote, the free Cambridge Connect App for iOS and Android devices brings the whole experience to life. Whether it's flicking through album artwork, building playlists or setting presets, the app allows intuitive browsing and navigation of all the CXN's connected sources with ease.

All the power of Spotify, built in

Spotify is the world's most popular streaming service. Spotify Connect is integrated with the CXN. If you subscribe to Spotify Premium, you can control the CXN with the powerful Spotify Connect app on your phone or tablet. And because Spotify is built-in, you can still take calls or use other apps – the music never stops.

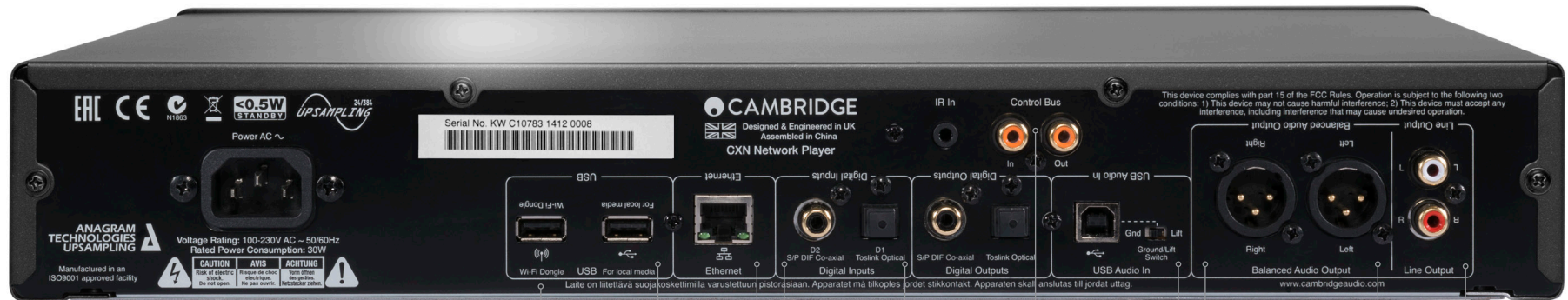
Airplay and Bluetooth: enhance your Apps

Bring the CXN's stunning audio quality to all your apps and streaming services via your smartphone, tablet or computer. Connect wirelessly to the CXN and listen to popular apps and services such as YouTube, played back in stunning quality through the CXN's Bluetooth or Airplay connections. Anything you play on your tablet or smartphone will sound far superior when played back wirelessly through the CXN.



CXN

<p>FLAC/Apple Lossless 16-24 bit 11.025-192 kHz</p>	<p>MP3, WMA, AAC, AAC+, Ogg Vorbis</p>	<p>AIFF Uncompressed 16-24 bit 11.025-192 kHz</p>	<p>WAV Uncompressed 16-24 bit 11.025-192 kHz</p>				
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- Supports all popular CODECs up to 24-bit/192kHz
- Plays music from PCs, Macs, NAS drives & USB
- Spotify Connect
- Airplay wireless audio streaming
- 24-bit/384kHz audio upsampling on all inputs
- Access to 20,000 internet radio stations
- Easy to control with free Apps
- Digital audio inputs and XLR output
- Pre-amplifier mode with volume control
- Optional Bluetooth receiver
- Twin Wolfson DACs

WIFI

USB
HDD/BT100

LAN

2 x digital
audio inputs

Control Bus - compatible
products can be linked
for volume and power
control from the app

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

Balanced XLR audio output

RCA audio
output

**OUR VERSATILE NETWORK MUSIC PLAYER DELIVERS EXCEPTIONAL QUALITY AUDIO.
HERE ARE 10 REASONS TO CHOOSE THE CAMBRIDGE CXN OVER OTHER PLAYERS...**

1. Network music and USB connectivity

Via UPnP, you can play music files stored on computers, laptops or NAS drives. Additionally, there are two USB inputs for music stored on USB HDDs (memory sticks or external USB drives).

2. Superior connectivity

In addition to network music playback and two USB HDD inputs, there are two digital inputs including S/PDIF coaxial, TOSLINK optical. Plus there's asynchronous USB Audio, internet radio, Airplay and aptX Bluetooth wireless connectivity meaning that wherever your music comes from, you can play it back in stunning quality through the CXN.

3. Balanced outputs

Balanced analogue XLR outputs allow the best possible connection to a high-end amplifier such as the CXA80 or 851A. RCA phono outputs are also available for the most flexible connection.

4. Twin Wolfson Devices DACs

The CXN features twin Wolfson DACs used in 'dual differential' mode for the very best digital to analogue conversion.

5. Spotify Connect

Spotify Connect is supported for playback of Spotify music and playlists through the CXN.

6. High performance USB

The CXN features a high quality asynchronous USB Audio input for playback of up to 24-bit/192kHz high resolution files from a connected computer or laptop.

7. 24-bit/384kHz audio upsampling

The CXN features ATF2 (2nd generation Adaptive Time Filtering) audio upsampling. The ATF2 system intelligently upsamples all inputs to 24-bit/384kHz and dramatically reduces digital jitter.

8. High quality digital pre-amplifier

Thanks to the highest quality of digital preamplifiers, without bit-reduction, you can connect the CXN directly to a power amplifier such as the Cambridge Audio 651W or 851W to create a truly astonishing digital music system!

9. Effortless control

The beautiful colour screen displays album art and free Apps for Apple and Android devices allow you to effortlessly browse and choose music by artwork, genre, album, artist etc. and by creating playlists.

10. Play all file types

The CXN supports all popular CODECs including, 'better than CD' quality 24-bit/192kHz FLAC/Apple lossless/WAV/AIFF files, plus WMA, MP3, AAC, HE AAC, AAC+ and Ogg Vorbis formats. So, wherever your music comes from, and whatever the format, it will sound amazing when played through the CXN.

CXN



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) DSD via USB

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, BT100 Bluetooth receiver (not supplied), Internet radio, Spotify Connect

Audio formats: ALAC, WAV, FLAC, AIFF, WMA, MP3, AAC, HE AAC, AAC+, OGG Vorbis

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)

CAMBRIDGE: OUR STORY

Since 1968 Cambridge has been driven by a simple belief; that music should always sound amazing. Cambridge is for people who really listen to music.

Our original British-designed products are enjoyed the world over by people like you who share a love of music.

We have an envied reputation for innovation and every one of our engineers is fanatical in their pursuit of delivering an authentic and enjoyable experience. When you listen to a Cambridge product you don't just hear the difference, you feel it.

We want everyone to experience that pleasure. We love music and we're proud of what we do. Our passion for listening to great music and the fun we have in the process of creating the products we make shines through, for all to see and hear.

We're all music lovers, plain and simple and we want to share that love. Because great things happen when people who love music, design hi-fi!



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* Maximum including sockets and controls