

Cambridge Audio



851 SERIES
MAXIMUM PERFORMANCE

THE 851 SERIES

The quest to design the perfect hi-fi separates is what keeps our designers awake at night...



AZUR 851A INTEGRATED CLASS XD AMPLIFIER

Power, finesse and astonishingly low distortion!

Capable of delivering an enormous 120 watts of high-quality power, it benefits from two audiophile-grade toroidal transformers: one for the sensitive preamp section and one for the power stages allowing the 851A to deliver its immense output without stress.

This incredible speaker-taming amount of power can be precision-controlled with another innovation found in the 851A – the new fully balanced silicon gate volume control, which gives very fine adjustment across the

volume range and highly accurate channel-balancing.

Because everyone's needs are different, the 851A offers two main types of connectivity: the more commonly found RCA/Phono inputs, plus two pairs of fully balanced XLR connections. Our matching 851C upsampling CD player also features both types of connection, allowing you to connect your system in the very highest quality possible.



"Smooth, svelte sounding amp with power"

AZUR 851C UPSAMPLING DAC, CD PLAYER & PRE-AMPLIFIER

The heart of your digital music system



Central to the 851C's exceptional performance is a mouth watering collection of advanced technologies, such as our high-specification digital-to-analogue convertors from respected digital processing experts Analog Devices. Together with its on-board ATF2 upsampling technology, the 851C has the ability to improve sound quality regardless of the input format. From MP3 to high res downloads, this player will showcase your music in its best possible light.

With a plethora of connectivity options, you can link up a world of digital source components to the 851C, including: TVs,

streamers, digital iPhone/iPad docks and computers of all kinds to maximise their sound quality. The 851C is also capable of accepting the very highest quality music files currently available, via USB: 24-bit/96kHz (and 192kHz) for genuine studio master tape quality. So you really can get closer to the music than ever before.

For the serious audio enthusiast, the 851C also benefits from a number of 'audiophile' features. Everyone's ears are different and you can select from three filter options which each offer a slightly different presentation.

"...the 851C is a superb sounding digital hub..."



AZUR 851D DIGITAL-TO-ANALOGUE CONVERTER

Draw every last detail from digitally stored music

The Azur 851D is for those who want to store their music digitally, but with no compromise on sound quality. With a comprehensive range of connections and high-end componentry designed to draw the best from any digital source, it delivers your digital music in upsampled, stunning quality. The 851D is the last word in high-end digital-analogue conversion.

The Cambridge Audio technologies inside the 851D ensure it's a versatile Digital-to-Analogue Converter (DAC) that can handle digital audio from just about any source you

could care to connect to it. It will also uncover every last detail, before passing it on to the amp.

Second generation ATF upsampling to 24-bit/384kHz for every source delivers stunning results. From MP3 to high res downloads, the 851D will showcase your music in its best possible light – it's our best-sounding DAC ever.

WHAT HI-FI?
SOUND AND VISION

“Impressive build; good features including aptX Bluetooth connectivity; refined, tonally balanced presentation; detail and refinement.”



AZUR 851W POWER AMPLIFIER

The best sounding amplifier Cambridge Audio has ever made

The Azur 851W improves over its already highly respected predecessors in just about every way. At its heart is Cambridge Audio's innovative and proprietary Class XD system, with 12 output transistors per channel. Combining the best of Class A and Class AB and removing the downsides of both, Class XD amplification eliminates crossover distortion like a Class A amp, while offering the power efficiency of Class AB. Its performance has to be heard to be believed.

As well as proprietary Class XD



amplification, the 851W uses separate high-end toroidal transformers one for the power amplifier itself and one for input and other circuitry, for a performance unaffected by audio output volume or dynamics. It also uses our proprietary Terrapin impedance buffering modules to separate amplifier and signal impedance for absolutely consistent sound across sources. And CAP5 proprietary protection to avoid DC spikes, overheating, short circuits or clipping.

THE PINNACLE OF AUDIO PERFORMANCE



A PARTNERSHIP OF POWER AND PRECISION



“These amps represent a genuine introduction to true high-end amplification at the same time offering real value for money.”



AZUR 851E PRE-AMPLIFIER

So little distortion, it's barely measurable

This true analogue preamplifier delivers an incredibly pure signal. The 851E delivers so little harmonic distortion and adds so little noise to incoming signals that we can barely measure it. In preamplifiers, that's a very good thing!

Vastly improving over its predecessors, the key to the 851E is its innovative solid state volume control that offers precise control, retains channel balance accurately at low levels and offers truly linear performance,

all without introducing any distortion to the precious analogue source signal.

Above and beyond that, the 851E offers improved source connections with eight inputs, including three XLR balanced inputs for superior audio fidelity and to match the best high-end modern sources.



Perfect partners

When we set about developing our Azur 851 Series of hi-fi separates, the brief was simple: to make a hi-fi system that sounds better than anything else out there. The award winning 851 series is designed with one goal – perfection. With this in mind, the Azur 851E and 851W are the ultimate pre and power amplifier combination.

By separating out pre and power amplifier functionality, our engineers were able to give each component the time and dedication that it needs to deliver the ultimate performance.

The 851E and W are, of course, designed to work in perfect synergy with each other – from the fully balanced XLR audio connectivity, to neat touches such as power syncing with each other – this pre and power amplifier



combination not only sounds incredible, but works in perfect harmony too.

About Cambridge Audio

A simple idea but one we believe we do rather well. Music plays a huge part in our lives and our mission is to show people who love music what a difference hearing their favourite tracks on an expert-designed audio system can make. Every Cambridge Audio product is designed in London by a team obsessed with music and like our own team, Cambridge Audio owners come from all walks of life and all corners of the world.

That's why at Cambridge Audio, we put just as much effort into developing systems for the kitchen, or digital music accessories to enhance audio from your computer as we do with our award-winning hi-fi separates.

VITAL STATISTICS:



AZUR 851A

INTEGRATED CLASS XD
AMPLIFIER

Power output (stereo): 120W per channel
into 8 Ohms

Audio inputs: 2x balanced XLR, 8x RCA inputs

Audio outputs: Preamp outputs, Record output

Frequency response: 10 Hz- 50 kHz +/-1 dB

Dimensions: 115 x 430 x 385mm,
(4.5 x 16.9 x 15.2")

Weight: 15.0Kg (33lbs)



AZUR 851C

UPSAMPLING DAC, CD PLAYER &
PRE-AMPLIFIER

Digital to Analogue Converter: Dual Analog
Devices AD1955 24 bit DACs

Digital inputs: 2x S/PDIF 75 ohms or Toslink optical

AES/EBU Input: XLR balanced 110 ohms per phase

USB audio input: USB Type B conforming to Audio
profile 1.0 or 2.0

Dimensions: 115 x 430 x 385mm,
(4.5 x 16.9 x 15.2")

Weight: 10.0Kg (22lbs)



AZUR 851D

DIGITAL-TO-ANALOGUE CONVERTER &
PRE-AMPLIFIER

DAC: 2 x Analog Devices AD1955

Digital audio inputs: 2 x S/PDIF, 4 x Toslink optical
1 x BNC, 1 x AES/EBU
1 x BT100 Bluetooth
1 x USB Audio

Analogue audio outputs: 1 x Balanced XLR
1 x Unbalanced RCA
1 x headphone output

Dimensions: 115 x 430 x 360mm,
(4.5 x 16.9 x 17.7")

Weight: 7.5kg (16.5lbs)



AZUR 851W

POWER AMPLIFIER

Power output (stereo): 200W per channel
into 8 Ohms
350W per channel into 4 Ohms

Power output (mono): 500W into 8 Ohms
800W into 4 Ohms

Dimensions: 148 x 430 x 365mm
(5.8 x 16.9 x 14.4")

Weight: 19.1kg (42.2lbs)



AZUR 851E

PRE-AMPLIFIER

Inputs: 3 x Balanced XLR
8 x Unbalanced RCA

Outputs: 1 x Balanced XLR Pre Out
1 x Unbalanced RCA Pre Out
1 x subwoofer output

Dimensions: 115 x 430 x 385mm,
(4.5 x 16.9 x 15.2")

Weight: 8.1kg (17.9lbs)