



## Hi-fi and home cinema in one box

The Azur 351R is a 5.1 AV receiver that delivers superb quality surround sound, plus stunning audiophile stereo for brilliant music reproduction, all at amazing value.

Following our 'Sound First' principles, we've prioritised audio quality, to deliver the best-sounding AV receiver you'll ever hear at this price. For example, most living room setups are 5.1 (five speakers plus a subwoofer). So instead of giving you a 7.1

receiver with two channels you might never use, our engineers have spent the development budget putting better quality components into the bits you will use.

So, whether you're listening to Blu-ray surround sound, a CD, or one of the many other digital and analogue inputs, it's the ability to play music without compromise that really separates the 351R from its competition!

### The inside story

#### Superior Audio

The 351R offers high quality audio from an AVR. To help us achieve this, we've used technologies from our more expensive AV receivers and included them in the 351R, including premium toroidal transformers for stunning low distortion sound, our unique X-tract heat sink design for virtually silent operation and an acoustically damped all-metal chassis to minimise distortion which can be caused by vibration.

#### Superb power

The 351R outputs 70 watts per channel so it can easily drive most loudspeakers, and really sounds like a proper piece of hi-fi equipment.

#### Ready for the future

The 351R uses the very latest dual Cirrus Logic DSPs which ensures compatibility with all the latest audio and video CODECs and formats, and which also ensures that the product is ready for the future. We also have 4 3D compatible HDMI inputs and 1 HDMI output which also supports an audio return channel (ARC).

#### All metal design

Electronics (and therefore sound quality) are particularly susceptible to vibration; that's why we've used a low resonance, acoustically-dampened metal chassis to eliminate



**Power under the hood – the whisper quiet X-tract cooling system**

as much vibration as possible, ensuring that the most sound quality is extracted from each source.

#### Super cooled

All this power, refinement and versatility comes in a sleek box that's only 100mm (3.9") tall, whilst our advanced X-tract™ cooling system ensures it can operate in a small space without overheating.



## Toroidal vs EI transformers

The 351R features a powerful toroidal transformer. Cambridge Audio was one of the first manufacturers to use toroidal transformers in the 1970s, and we continue to use them today. Some of the benefits of a toroidal transformer over the cheaper, inferior EI transformers used by most other manufacturers include:

- ✓ High quality power output to the amplification circuits, with no clipping of the waveform signal, to provide a consistent signal
- ✓ No transformer noise, buzz or hum
- ✓ Sensational bass performance
- ✓ High power output, to allow large and demanding speakers to be driven at high volumes
- ✓ Large power reserves, to allow the transformer to deliver high peaks of volume when required
- ✓ Fully shielded against internal and external electrical interference, to maintain quality of power and signal



### A typical cheaper EI transformer:

- ✗ Weak inconsistent signal
- ✗ No shielding
- ✗ Noisy
- ✗ Won't drive powerful and demanding speakers

**RS-232 for use with custom installation projects**

**HDMI output with ARC**  
(Audio Return Channel) allows audio signals from a TV to be sent to the amplifier – rather than having to use the audio output on a TV



**3 x Digital inputs**

**FM radio**

**5 x RCA phono inputs**



## Good things come in small packages!

At only 100mm high the 351R fits on almost all shelves and racks and with its high quality toroidal transformer is one of the most powerful AV receivers in its class.

### Designer's note



"We've taken our award-winning hi-fi know-how and designed a powerful AV receiver that will also produce a truly exceptional stereo performance."

Matthew Bramble –  
Technical Director





4 x HDMI inputs supporting 3D and Deep Colour

Auto set-up mic input for CAMCAS

100mm

Subwoofer output

Speaker connections (up to 5 .1)



## Great connectivity

With four HDMI inputs and many analogue and digital inputs, it's almost impossible to run out. You can connect all of your AV equipment including:

- ☒ Blu-ray
- ☒ Satellite TV
- ☒ Games consoles
- ☒ MP3 players
- ☒ CD players
- ☒ Turntables and more, plus there's a built in FM tuner with RDS!

## Headphones

For added convenience, the 351R features a high quality headphone connection allowing you to enjoy your music and movies whatever time of the night!

## Simple setup

You can easily set the 351R up by yourself using the Cambridge Audio Mic Controlled (CAMCAS) auto speaker setup.

For quick and simple installation in any room this system uses the supplied microphone to perform multiple measurements of the listening environment and automatically sets the receiver up for optimum use dependent on your room's acoustics.



## Hi-fi stereo

The 351R has been specifically designed to ensure it's more than an AV receiver, delivering an exceptional stereo performance with a powerful 70 Watts per channel (@ 8 ohms). You can connect a wide range of source equipment and enjoy high performance stereo audio.

## Did you know?

You can also enable the 351R's Dolby Dynamic range control (Dolby DRC) to control the dynamic range of movie soundtracks by compressing the audio to limit the difference in levels between loud and quiet passages in the movie – very handy for late-night viewing.

# Top reasons to buy the Azur 351R

The 351R delivers exceptional quality audio... here are 10 reasons to choose the Cambridge Audio Azur 351R over other systems

- 1 The hub of music and video:** No need to buy two devices for sensational surround sound and great music. Combine the quality and power of a true stereo amplifier, with the connectivity and functionality of an AVR.

Furthermore, the 351R's intuitive remote control and front panel ensure everyone can enjoy it.

- 2 Premium components:** To deliver the best possible surround and stereo sound together with versatile connectivity and unrivalled ease of use, we've selected our favourite components. From toroidal transformers, to the Cirrus Logic audio DACs (digital to analogue converters) ... the 351R was built without compromise.

- 3 Great connectivity:** With 4 HDMI inputs and many analogue and digital inputs, it's almost impossible to run out. You can connect all of your AV equipment including Blu-ray, satellite TV, games consoles, MP3 players, CD players, turntables and more, plus there's a built in FM tuner with RDS.

- 4 Quick set-up:** AV receivers can involve arduous set-up and configuration processes, but the 351R is quick and simple thanks to the CAMCAS (Cambridge Audio Mic Controlled) auto speaker setup. The supplied microphone measures the listening environment and automatically sets the speaker levels and distances for your room.

- 5 Analogue Stereo Direct**  
Analogue Stereo Direct is a user selectable mode with no digital processing, which ensures the very best audiophile stereo reproduction of the analogue inputs.

- 6 Good things come in small packages!**  
With its slim, aesthetic design that is only 100mm (3.9") high the 351R fits on almost all shelves and racks.

- 7 Future-proof design:** With the very latest technologies – including the Cirrus Logic dual 32-bit DSP for compatibility with all the latest CODECs and formats, including 3D video – you can buy the 351R knowing it will handle future formats for years to come.

- 8 Lip sync adjustment:** A movie becomes almost unwatchable if the sound and the picture are out of time with each other. The 351R allows the user to apply a small delay to the audio playback to re-synchronize for complete perfection.



- 9 Full Metal Jacket:** All the above points would mean nothing if the 351R was not built to last!  
This is an AV receiver that is designed to keep on performing. From the all-metal casework and ultra rigid chassis, to the high-quality, high-power toroidal transformer, every component in the 351R is designed to give many years of listening pleasure.

- 10 Full crossover adjustment and bass management:**  
The 351R incorporates advanced Bass Management features, allowing you to channel low frequencies to their front speakers, subwoofer, or both, as well as providing individually selectable bass boost for different surround modes.

## LISTENING TIP

We recommend you experience both sides of this incredibly powerful AV receiver to fully appreciate it. While music should be down to individual customer choice, our designers particularly like 'Hurt' by Johnny Cash and 'Tamacun' by Rodrigo y Gabriela. To highlight the stunning surround-sound capabilities of the 351R we recommend *Iron Man 2* and *Quantum of Solace*.