

Azur 650R AV Receiver



- Three fully assignable HDMI 1.3c inputs for Blu-ray/DVD players, HD satellite receivers and games consoles
- Latest generation Cirrus CS49700 chipset features twin 32-bit DSP cores for compatibility with the latest CODECs including Dolby Digital Plus, DTS- HD High Resolution and the Lossless Dolby True HD and DTS-HD Master Audio formats
- Full support for analogue or digital legacy formats – LPCM, Dolby Digital, Dolby Digital EX, DTS, DTS ES Matrix, DTS ES Discrete, DTS 96/24, Neo:6, ProLogic II, ProLogic IIx, in 5.1, 6.1 or 7.1 variants
- DTS Speaker re-mapping allows the playback of DTS-HD High Resolution or Master Audio formats with encoded height information on standard 5.1, 6.1 or 7.1 speaker setups
- Fully supports multi-channel PCM over HDMI for DVD-A/SACD and other external audio formats
- 24 bit A/D conversion for digitally processed analogue modes
- Pure Analogue Stereo Direct mode for audiophile playback of analogue stereo sources.
- Full post-processing of 2.0, 5.1 or 6.1 material is also possible with PLIIx or DTS Neo:6 to turn these formats into 7.1
- Analogue to digital video transcoding (composite, S-video and component video to HDMI)
- True power output of 7 x 100 watts rms per channel, 8 ohms all channels driven
- Analogue stereo direct mode for audiophile stereo sources (pure analogue, no DSP) – 120W output x 2
- Oversize low flux toroidal transformer
- Cambridge Audio Mic Controlled Auto Set-up (CAMCAS) with microphone supplied
- On-Screen Display (OSD) available on all video outputs
- Adjustable LipSync delay feature
- New optional bi-amping mode for front left/right with surround back left/right in 5.1 set-up
- FM/AM tuner with RDS
- X-Tract™ Forced/Convection Heat Tunnel for virtually silent performance
- Fully specified for custom install applications such as Incognito Ready™ multi-room outputs, RS232 port, IR emitter In, Control Bus In/Out
- Navigator style Azur remote
- Completely new wrap-around casework
- Available in silver or black finishes

Detailed Specifications

HDMI switching	1.3c, 3 inputs 1 output
Analogue video up-conversion	(transcode any analogue format upwards to the other analogue formats and to HDMI)
HDTV capable via component video or HDMI/DVI	
Decoding formats	LPCM, Dolby Digital / Dolby Digital EX, DTS / DTS ES Matrix/Discrete, PLII/PLIIX, DTS Neo:6, Dolby True HD, Dolby Digital Plus, DTS-HD Master Audio, DTS-HD High Resolution Audio, Multi-channel PCM. All in 5.1/6.1 or 7.1 variants,
32-bit DSPs, 24/192 capable DACS	
Post processed Dolby / DTS modes (convert 5.1 to 7.1)	Post process 5.1 or 6.1 formats with PLIIX or Neo:6 to 7.1
Full on screen display	Available via composite video, S-video, component video and HDMI
Separate stereo DAC	for left/right from surround channel codec
Audio inputs	8 line analogue, tuner (FM/AM), 7.1 analogue input, 5 digital coaxial, 6 digital optical
Video inputs	5 composite, 5 s-video, 3 component video, 3 HDMI
Main audio outputs	7 amplified speaker outputs, 7.1 preamp outputs
Main video outputs	1 composite, 1 s-video, 1 component video, 1 HDMI
Recording audio outputs	2 line level analogue, 2 digital coaxial, 2 digital optical
Recording video outputs	1 composite, 1 s-video
Other connections	1 1/4" / 6.35mm headphone output, Control bus input/output, 1 IR emitter In, 1 RS232C, 1 IEC type mains inlet
Incognito Ready™	2 Incognito keypad outputs (2nd/3rd Zone), 3 IR emitter outputs, 2 composite video outputs (2nd/3rd Zone), 1 external power supply input 24VDC
Audio split mode	Watch and listen to different sources
Bi-amp mode	Bi-amplify front left/right speakers when in a 5.1 set-up
Full function aluminium face azur navigator remote	
Available in silver/black	

Detailed Specifications

AUDIO	
Power output	7 x 100 watts rms per channel, 8 ohms (all 7 channels driven) 2 x 120 watts rms per channel, 8 ohms (two channels driven)
THD	<0.006% @1kHz
Crosstalk	<-60dB @ 1kHz
Frequency response	10Hz -20kHz - 1dB
S/N Ratio	>90dB 'A' weighted
Audio input impedance/sensitivity	47kOhms/175mV or greater
Digital input impedance	75ohms (coaxial/SPDIF)
Tone controls	Bass +/-10dB @ 100Hz Treble +/-10dB @ 10Hz
Tuner	FM mode / RDS 87.5-108MHz, 75 ohm coaxial aerial AM mode 522-1629Hz, 300 ohm loop aeria
General	
Quiescent power consumption	<70w
Max power consumption	1400w
Dimensions hxxwxd	150 (inc feet) x 430 x 420 (inc volume knob and speaker terminals) mm (5.9 x 16.9 x 16.5 inches)
Weight	15kg (33lbs)



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Cambridge Audio's policy is one of continuous improvement.
Design and specifications are therefore subject to change without prior notice



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