

Azur 551R 7.1 Home Cinema Receiver

October 2011



- 4 HDMI in, 1 out with support for 3D TV / Deep colour pass-through / Audio Return Channel reception.
- Faroudja FLI2310 video scaler for upscaling and analogue to digital video transcoding/scaling (composite, S-video and component video to HDMI)
- Scaler bypass mode – allows user to engage/disengage video scaler for each input as appropriate
- Oversize low flux toroidal transformer and discrete amplifiers delivering ultra-low noise and distortion
- Cirrus Logic dual 32-bit DSPs 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
- Pure Analogue Stereo Direct mode for audiophile playback of analogue stereo sources.
- Individual Crossovers and Advanced Bass Management
- Cambridge Audio Mic Controlled Auto Set-up (CAMCAS) with microphone supplied
- Full 5.1/7.1 multi-channel analogue inputs and preamp outputs
- Adjustable lipsync delay per source
- 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
- Bi-amp mode for front left/right with surround back left/right in 5.1 set-up
- X-Tract™ Forced/Convection Heat Tunnel for virtually silent performance
- FM/AM tuner with RDS
- RS232 control, IR Emitter Input
- Low resonance, acoustically damped full metal chassis
- Navigator style Azur remote control
- Also controllable from 651BD/751BD remote.
- Slim, aesthetic design – only 110mm (4.3”) tall!

Detailed Specifications

Audio

Power output

All Channels : 110 watts rms per channel, 6 ohms (two channels driven)
 All Channels : 90 watts rms per channel, 8 ohms (two channels driven)
 All Channels : 60 watts rms per channel, 8 ohms (all 7 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

75 ohms (Coaxial/S/P DIF)

Tone control – Bass Treble

+/-10dB @ 100Hz
 +/-10dB @ 10kHz

Tuner – FM mode AM mode

87.5-108MHz, 75 ohm coaxial aerial
 522-1629kHz, 300 ohm loop aerial

Video

Video Levels /Impedance - Composite (CVBS)

1Vp-p / 75 ohm

S-Video (S-VHS)

Y 1Vp-p / 75 ohm
 C 0.286 Vp-p / 75 ohm

Component

Y 1Vp-p / 75 ohm
 Cb/Cr 0.75Vp-p / 75 ohm
 Pb/Pr 0.75Vp-p / 75 ohm

HDMI

HDMI 1.4
 EIA/CEA - 861D
 HDCP 1.1
 ARC and 3D-TV/deep colour pass through supported.



General

Cirrus Logic CS43122 24 Bit 192kHz capable DAC for Front Left & Right
 Cirrus Logic CS52526 24 Bit 192kHz capable CODEC for surround channels + 24 Bit 2 channel A/D conversion

Architecture

Cirrus Logic CS497004 dual 32 bit DSP

Audio Inputs

Faroudja FLI2310 scaler
 6 Line Level Analogue
 Tuner (FM/AM)
 7.1 Analogue Input
 4 Digital Co-axial, 4 Digital Optical

Video Inputs

2 Composite, 2 S-Video,
 2 Component Video, 4 HDMI

Main Audio Outputs

7 Amplified Speaker Outputs
 7.1 Preamp outputs

Main Video Output

1 HDMI

Recording Audio Outputs

1 Line Level Analogue
 1 Digital Co-Axial, 1 Digital Optical
 1 1/4" / 6.35mm Headphone Output (32 To 600 ohms recommended)

Other connections

1 IR Emitter In
 1 RS232C
 1 IEC type mains inlet

Standby power consumption

<1w

Quiescent power consumption

<70w

Max power consumption

700w

Dimensions - H x W x D

110 x 430 x 340mm (4.3 x 16.9 x 13.3")

Weight

10kg (22lbs)