Technical specifications

Cambridge Audio

Azur 851W Class XD Power Amplifier

November 2013



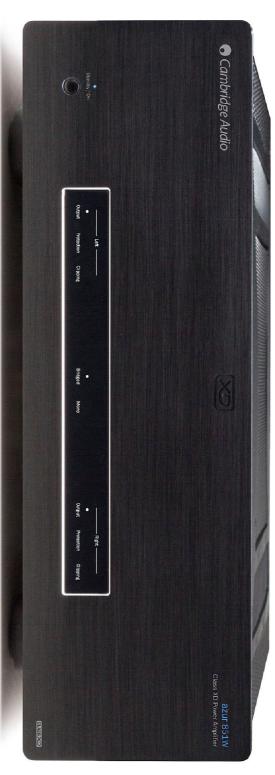
- Class XD[™] amplification designed to eliminate crossover distortion at low signal levels.
- Selectable stereo, mono or bridged mono operation modes
- Audiophile grade oversize toroidal transformer and substantial extruded heatsinking allowing 2 x 200 Watts RMS into 8 Ohms or 500W RMS into 8 ohms in bridged mono mode
- CAP5 protection technology

- Acoustically damped full metal chassis with thick brushed aluminium front panel
- Balanced and unbalanced analogue audio inputs for superior connectivity
- Separate toroidal transformers for power amplifier and low noise input circuitry
- Audio detect (Auto Power Up and Down) for power synchronisation with preamplifier
- Eco-friendly <0.5W Standby power consumption
- Available in black and silver finishes

Detailed Specifications

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Power output – stereo/mono	200W per channel into 8 Ohms 350W per channel into 4 Ohms
Power output – bridged mono	500W 8 Ohms 800W 4 Ohms
THD (unweighted)	< 0.001% 1 kHz < 0.005% 20 Hz - 20 kHz
Frequency response	5Hz – 80kHz
S/N ratio (ref 1W / 8 Ohn)	>90dB (unweighted)
Sensitivity – stereo or mono	1.5V rms unbalanced 1.5 + 1.5V rms balanced
Sensitivity – bridged mono	0.775V rms unbalanced 0.775V + 0.775V rms balanced
Input impedances	Balanced input 38 kOhm Unbalanced input 68 kOhm
Power Amp damping factor	> 110 at 1 kHz
Max. power consumption	2400W
Standby power consumption	Standby <0.5W
Dimensions (H x W x D)	148 x 430 x 365mm (5.8 x 16.9 x 14.4")
Weight	19.1kg (42.2lbs)

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