

SPEAKER

RIGHT

RS232



# The Chapter Couplet 250S

'the benchmark against which all other power amplifiers will have to be judged in the future.'

EyeFi Magazine, Norway

The Chapter Couplet 250S is a 'state of the art' audiophile two channel power amplifier incorporating a unique combination of design features coupled with scrupulous attention to technical detail.

The objective is to provide a product capable of great musicality and realism without adding any noticeable 'character' of its own. Additionally to be able to drive the most difficult speaker loads on the market today without compromising stability.

By bringing together engineers and designers with a lifetime's experience in audio and power systems design we believe this objective has been more than achieved.

A top-flight amplifier should boast exemplary specifications. Indeed the Chapter Couplet 250S achieves this but not purely for the sake 'specmanship'. Hundreds of listening tests and auditions by recognised audio experts have gone into honing the Couplet 250S.

The result - musicality with a first class technical specification. The amplifier is based around the company's own 'WMT' Class D amplifier technology that gives

very low distortion performance. This forms a proven, robust and reliable foundation for the power amplifier design. But, this on its own is not enough to produce class-leading performance. Further extensive research has gone into refining this topology to achieve the final result, the Chapter Couplet 250S.

## Chapter Couplet 250S Power Supply

Balanced Zero Ripple Power Supply: This technology allows the benefits of a regulated supply without the size, heat and wasted energy of a conventional design. The demands on the power supply rails are balanced between positive and negative in real time to ensure lowest levels of ripple and noise to feed the amplifier circuits.

Massive Energy Storage: By combining the benefits of the Balanced Zero Ripple supply with a large number of ultrafast high voltage capacitors we can ensure that even the most demanding of musical passages do not perturb the voltage rails of the amplifier, allowing for

effortless reproduction of audio. This energy storage is necessary for providing sustained deep and controlled bass.

Unique circuitry coupled with expert RF filter design and layout allows the Chapter Couplet 250S to meet the most stringent tests for radiofrequency emissions including the EN broadcast specification.



## Review Quotes:

This over-achieving pair use high-tech design and construction to bring the two-channel pre/power combo into the 21st century. Power amp offers incredible dynamics and profound LF grip to die for. Hi-Fi News - Best Power Amplifier Winner.



[www.chapterelectronics.co.uk](http://www.chapterelectronics.co.uk)



## TECHNICAL SPECIFICATIONS

### Electrical

Rated Power:	225W rms. into 8 ohms, 450W rms into 4 ohms, continuous sine both channels driven.
Distortion:	Less than 0.03% THD at rated power and 1KHz, less than 0.05% at rated power and 20KHz (into 4 - 8 ohms)
Signal to Noise:	Better than 130dB (A weighted) at full power, better than 85dB (A weighted) ref 1W into 8 ohms
Frequency response:	0.5 Hz to 48KHz +0, -3dB 5 Hz to 30KHz +0, - 0.5dB
Phase shift:	Less than +/-17 degrees total from 5 Hz to 22.5KHz
Power consumption:	Max 900W total
Fuse rating:	10A T-Type.
Protection:	Fully electronic on DC error, short circuit output, or continuous overload and/or clipping.
Sensitivity:	+26dBV
Phase:	Non inverting, ref XLR pin 2(+) or phono input.

### Mechanical

Input sockets:	2 x XLR for balanced line operation 2 x Phono for single ended operation (switch selectable)
Output sockets:	2 x WBT-0765 4mm binding posts per channel.
Finish:	Bead Blasted anodised aluminium alloy casework. Power on/off switch and indicator.
Weight:	25 Kg approx.
Size:	390 x108 x300 mm (WxHxD) approx.

Contact: sales@chapterelectronics.co.uk  
Tel: +44 (0)208 123 5533