



The Chapter Qube Reference 400S

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

The Chapter Qube 400S 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.

We have always strived to ensure that every Chapter product is the very best it can be, however, when developing a Statement product, the designers are freed up to make the very best product they can irrespective of cost.

This statement is embodied by the 400S power amplifier. A product that has near limitless headroom in everyday domestic environments, and incorporates all of our technological achievements to date in pursuit of our goal - 'straight wire with gain'.

Looking at the styling of the Qube, this incorporates many Chapter family features. The timeless appearance has found favour with many who appreciate the symmetry of the aesthetic, as well as the quality of the materials and workmanship that goes into every Qube series product. An investment into the Chapter Qube has been designed to satisfy

generations of music lovers. 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 Qube 400S

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 in real time to ensure lowest levels of ripple and noise to feed the amplifier circuits. This regulated characteristic is achieved without the use of feedback and is thus able to react as quickly as the amplifier demands, no lag, no compensation, just an almost limitless reserve of power

that would only normally be available on a power supply around four times the size of that found in the Qube 400S.



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.





TECHNICAL SPECIFICATIONS

Rated Power:	400W rms. into 8 ohms, 800W 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 1.8kW total at better than 0.95 power factor
Fuse rating:	10A thermal breaker fitted to the amplifier back panel.
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.
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. (WBT-0710Ag Optional)
Finish:	Bead Blasted anodised aluminium alloy casework. Power on/off switch and indicator.
Weight:	45 Kg approx.
Size:	390 x 370 x 390 mm (WxHxD) approx.
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