

Quest QX4500 2 X 1900W Amplifier with DSP Processing



Description

The QX4500 captures all the key elements of Quest Engineering's advanced amplifier designs and marries it perfectly with on-board 64-bit digital processing.

The result, a total power amplifier/DSP management system suitable for all professional applications.

With an amplifier section boasting 1900 Watts of pure sonic power per channel at 4 Ohms and low standby mains consumption, the QX4500 is an impressive system.

It's rugged construction and stylish design make it a powerful workhorse while the sophistication of its on-board DSP give a depth of control that meet even the most discerning demands of engineers.

Amplifier Features

- QX4500: 2 x 1900W / 3800W Mono bridged at 8 ohms
- Extensive protection scheme
- Low standby consumption

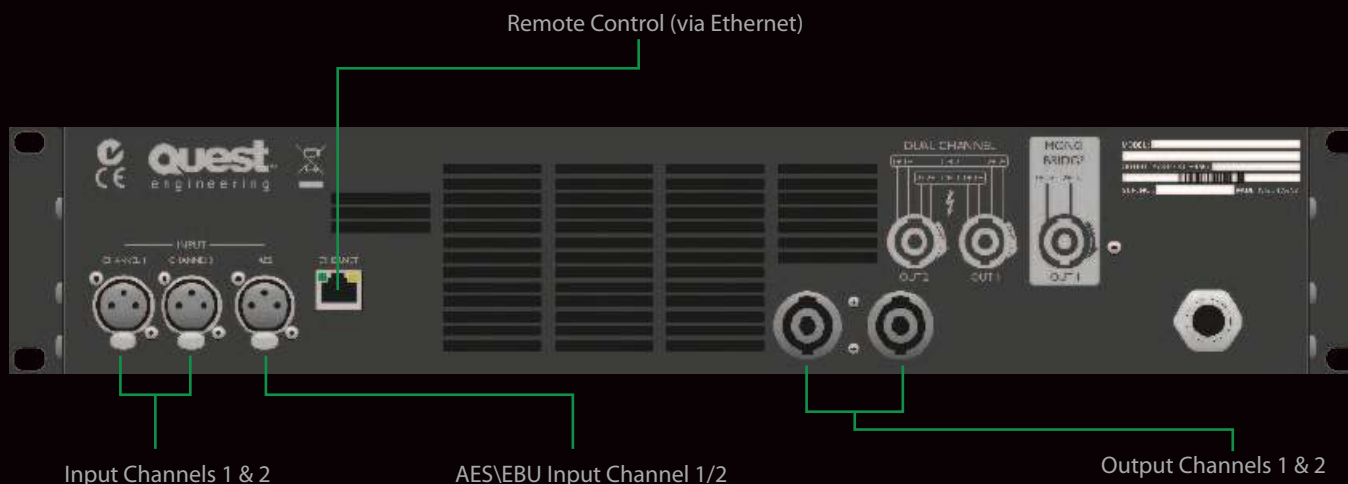
DSP Feature Set

- 64-bit digital processing
- 100 presets
- Fully configurable routing of inputs to outputs
- 2 AES and 2 Analogue inputs
- 10 parametric filters per input and output
- Parametric filters: Bell, High Shelf, Low Shelf, Notch, Allpass, Butterworth, Bessel, Linkwitz-Riley filters up to 24dB/oct
- Delay, Limiter, 180° phase change
- Input gain: -48 to +12dB



Multiband compression allows for surgical processing making material punchy, clean and transparent.

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Specifications

Stereo All channels driven @ 1kHz, THD < 1%	16 Ω	600 W
	8 Ω	1100 W
	4 Ω	1900 W
	2 Ω	1500 W
Mono Bridge Single channel driven @ 1kHz, THD < 1%	16 Ω	2200 W
	8 Ω	3800 W
Max. Output Voltage	140 Vp / 280 Vpp	
Output Circuitry	Class H	
Signal To Noise-Ratio (20 Hz - 20 kHz, 8 Ω load)	> 105 dB (A-weighted) / > 102 dB (unweighted)	
THD+N (typical) (20 Hz - 10 kHz, 4 Ω , 120 W output)	< 0,02 %	
Damping Factor (8 Ω load, 1 kHz and below)	> 400	
Frequency Response (4 Ω , 120 W output)	20 Hz - 20 kHz $\pm$ 0.2 dB	
Input Impedance	15 k Ω balanced	
Input Gain	32 dB	
Protection Circuits	inrush-current limitation, protection circuits against transients, temperature, output DC protection, power transistor SOA protection, intelligent mains fuse protection	
Indicators	LED's for SIGNAL/PROTECT, CLIP, LCD (character 2 x 16)	
Net Weight	9.4 kg / 20.7 lbs	
Shipping Weight	11 kg / 24.3 lbs	
Dimensions (WxHxD)	483 x 88.1 x 419 mm / 19 x 3.5 x 16.5 inches (19", 2U)	
Shipping Dim. (WxHxD)	600 x 105 x 527 mm / 23.3 x 4.1 x 20.7 inches	