



# QX4300 RACKMOUNT SERIES PROFESSIONAL POWER AMPLIFIER

## QX4300

The Quest Engineering QX4300 is a 1 RU power amplifier suited for any application requiring superior performance and reliability. Ideal for multiple zone applications providing commercial sound installations with clean and reliable power. The QX4300 provides 300 watts of power per channel, load sensing technology allows operation into low- or high-impedance loads automatically. HP and LP filters, limiters and standby are available per channel with fast 1ms wake up-time. For high end commercial, AV or domestic applications, the QX range of amplifiers provide superior class D performance with proven reliability without compromise.

## KEY FEATURES

Superior class D technology providing high performance power amplification.

Auto Load Sensing: 4-16 Ohm, 70V - 100V Hi Z

Energy star compliance, standby power saving mode available per channel (switchable)

UMAC™ Class-D – full bandwidth PWM modulator with ultra-low distortion

Dante™/AES67 inputs available via Dante expansion card

Individual volume control, standby, 80Hz HPF, 100Hz LPF, Limiter

Short circuit protection, DC protection, under voltage protection, temperature protection, overload protection, HF protection

UREC™ universal mains switch mode power supply with Power Factor Correction (PFC) and integral standby converter

Euroblock style amplifier I/O connectors

High Dynamic range incorporating, DynamiQ Bass technology®

Designed, Engineered, and Assembled in Australia

## IMAGES





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## SPECIFICATIONS

MODEL	SIZE	PER CHANNEL				BRIDGED-MONO MODE			
Maximum Dynamic Power (@1KHz, 1% THD)		80hm	40hm	70V (220hm)	100V (330hm)	80hm	40hm	70v	100V
QX4300	1RU	4x 550W	4x 550W	4x 550W	4x 550W	NA	NA	NA	NA
MODEL	SIZE	PER CHANNEL				BRIDGED-MONO MODE			
Maximum Continuous Power (@1kHz, 1% THD)		80hm	40hm	70V (220hm)	100V (330hm)	80hm	40hm	70v	100V
QX4300	1RU	4x 280W	4x 260W	4x 250W	4x 240W	NA	NA	NA	NA

Frequency Response	20-20kHz (+/-0.3dB)	
Peak Output Current	25A	
Dynamic Range	104dB (A-weighted)	
Noise Level	-67dBu (A-weighted)	
Distortion (1kHz@1W/80hm)	0.006%	
Distortion (1kHz@50W/80hm)	0.006%	
Crosstalk (1kHz@1W/80hm)	-80dB	
Gain	32dB	
Maximum Input Level	+24dBu	
Input Type	Euroblock Balanced Inputs (+ optional Expansion Module)	
Input Sensitivity	+4dBu	
Input Impedance	10kOhm	
Output Resistance	43.6mOhm	
Front Controls	Volume Adjust, 80Hz HPF Enable, 100Hz LPF Enable, Limiter Enable, Auto-Standby Enable)	
Indicators (LEDs)	Blue/Orange	Active/Standby
	Orange	Protection
	Green	Signal Detection
	Orange/Red	Limiter/Clip
Cooling	Fan cooled, temperature dependent	

Features	Wake On Music, Auto-Mute (1ms wake-up), Limiting on High Temperature
Amplifier Protection Systems	Thermal protection, Over-Current Protection, DC Protection, HF Protection
Mains Input Voltage Range	85VAC - 265VAC
Standby Power Consumption	4.8W
Muted Power Consumption	16W
Idle Power Consumption	28W
Standard Power Consumption (Pink Noise@ 1/8th Rated Power, 80hm)	150W
Mains Connector	Standard IEC C14
Output Connector	2-pin Phoenix 5.08mm pitch with screw lock
Dimensions (H x W x D)	44 x 482 x 344 mm (1.75 x 19 x 13.5")
Weight	5.9kg (13 lbs)
Accessories	Mains Cable, Feet, User Manual, Phoenix Plugs

\* All specifications were measured at 240VAC

\*\* Quest Engineering reserves the right to make changes in specifications, or products without prior notice.

\*\*\* The figures shown above are 'real world', usable specifications and are conservative as a result. Quest Engineering does not believe in portraying misleading or exaggerated specifications.