



QX4750 RACKMOUNT SERIES PROFESSIONAL POWER AMPLIFIER

QX4750

The Quest Engineering QX4750 is a 2 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 QX4750 provides 750 watts per channel of operation into 4 and 8 ohm loads and can bridge channel outputs that can be configured to deliver full channel power to either low- or high-impedance loads. 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)

UMACTM 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

URECTM 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)		8Ohm	4Ohm	70V (22Ohm)	100V (33Ohm)	8Ohm	4Ohm	70v	100V
QX4750	2RU	4x 400W	4x 750W	NA	NA	2x 1500W	2x 1400W	2x 1500W	2x 1500W
MODEL	SIZE	PER CHANNEL				BRIDGED-MONO MODE			
Maximum Continuous Power (@1kHz, 1% THD)		8Ohm	4Ohm	70V (22Ohm)	100V (33Ohm)	8Ohm	4Ohm	70v	100V
QX4750	2RU	4x 400W	4x 750W	NA	NA	2x 1500W	2x 1400W	2x 1500W	2x 1500W

Frequency Response	20-20kHz (+/-0.3dB)
Peak Output Current	40A
Dynamic Range	111dB (A-weighted)
Noise Level	-72dBu (A-weighted)
Distortion (1kHz@1W/8Ohm)	0.004%
Distortion (1kHz@50W/8Ohm)	0.003%
Crosstalk (1kHz@1W/8Ohm)	-90dB
Gain	26dB/32dB
Maximum Input Level	+24dBu
Input Type	XLR Balanced Inputs and Euroblock Links (+ optional Expansion Module)
Input Sensitivity	+7dBu/+4dBu
Input Impedance	10kOhm
Output Resistance	6.5mOhm/13mOhm
Front Controls	Volume Adjust, 80Hz HPF Enable, 100Hz LPF Enable, Bridged-Mono 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, 8Ohm)	160W
Mains Connector	powerCON
Output Connector	SpeakON per channel
Dimensions (H x W x D)	88 x 482 x 416 mm (3.5 x 19 x 16.4")
Weight	10.2kg (22.5 lbs)
Accessories	Mains Cable, Feet, User Manual, Euroblock 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.