Q

QX41500
RACKMOUNT SERIES
PROFESSIONAL POWER AMPLIFIER

QX41500

The Quest Engineering QX41500 is a 2 RU power amplifier suited for any application requiring superior performance, reliability, and high power. Ideal for multiple zone applications providing commercial sound installations with clean and reliable power. The QX4300 provides 1500 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

Quest™
engineering

QUESTAUDIO.NET

SPECIFICATIONS

MODEL	SIZE	PER CHANNEL				BRIDGED-MONO MODE			
Maximum Dynamic Power (@1KHz, 1% THD)		8Ohm	4Ohm	70V (22Ohm)	100V (33Ohm)	8Ohm	4Ohm	70v	100V
QX41500	2RU	4x 1500W	4x 1400W	4x 1500W	4x 1500W	NA	NA	NA	NA
MODEL	SIZE	PER CHANNEL				BRIDGED-MONO MODE			
Maximum Continuous Power (@1kHz, 1% THD)		8Ohm	4Ohm	70V (22Ohm)	100V (33Ohm)	8Ohm	4Ohm	70v	100V
QX41500	2RU	4x 1500W	4x 1400W	4x 1500W	4x 1500W	NA	NA	NA	NA

Frequency Response	20-20kHz (+/-0.3dB)
Peak Output Current	40A
Dynamic Range	111dB (A-weighted)
Noise Level	-67dBu (A-weighted)
Distortion (1kHz@1W/8Ohm)	0.004%
Distortion (1kHz@50W/8Ohm)	0.003%
Crosstalk (1kHz@1W/8Ohm)	-90dB
Gain	32dB
Maximum Input Level	+24dBu
Input Type	XLR Balanced Inputs and Euroblock Links (+ optional Expansion Module)
Input Sensitivity	+4dBu
Input Impedance	10kOhm
Output Resistance	13mOhm
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	4.9W
Muted Power Consumption	25W
Idle Power Consumption	50W
Standard Power Consumption (Pink Noise@ 1/8th Rated Power, 8Ohm)	500W
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	12.4kg (27.3 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.