



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)

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) | | 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.