



WHEN

EVERY DETAIL

MATTERS

QX-280
SERIES

1, 2 & 4 CHANNEL AMPLIFIERS

WHEN REPUTATION MATTERS

DELIVERING STUDIO QUALITY
SOUND IN A COMMERCIAL
UNIT IS JUST GOOD BUSINESS

When we're all judged on our performance it pays to go that little bit further.

The QX-280 takes commercial amplification to a new level. The superior class D technology makes it possible to have a compact single rack format with the right combination of power and channel density. This technology combined with DYNAMIQ BASS®, our patented power supply technology, enables the amplifier to achieve the same performance as amplifiers with two or three times the power rating. DYNAMIQ BASS® allows uninterrupted power delivery even during rapid bursts of sound. The result is that every detail of the voice and instrument is reproduced with pure intelligibility, that's studio quality sound with the simplicity and reliability of a commercial amplification unit.



QX-280
SERIES



INTRODUCING DYNAMIQ BASS®

WHEN THE PURITY
OF SOUND MATTERS

DYNAMIQ BASS® in the QX-280 range of amplifiers can continue to deliver power during high transients, delivering sonic integrity at the top and bottom end where other amplifiers will lose detail through power degradation. This colossal dynamic range means that the full spectrum of voice and sound emanating from each instrument is delivered as close to real life as technology can deliver. Once you experience the difference of DYNAMIQ BASS®, it will alter your baseline for commercial audio.



SUPER SMART TECHNOLOGY

Energy smart technology makes for easy installation and operation with the QX-280 range. The eco-friendly automatic standby function power-pauses an individual amplifier after no signal has been detected after 10 minutes.

Auto load sensing transformerless output delivers full range to all impedance loads from 4Ω to 70/100V systems ensuring smooth operation.

Overheat protection with thermally controlled fans and a built-in limiter circuit ensure total peace of mind.

A SELECTABLE 80Hz HIGH PASS FILTERS

D COMPACT 1RU CHASSIS

B SLEEP STANDBY SELECTOR

E AUTO LOAD SENSING

C SUPERIOR CLASS D AMPLIFIERS

F SMART THERMAL MANAGEMENT





AUSTRALIAN DESIGNED AND BUILT

Our R&D team have developed and refined this amplifier technology to deliver guaranteed studio quality sound with commercial reliability. We sourced the very best componentry from around the globe, created a shell that would withstand the high heats and operation schedule of a commercial rack environment, and assembled everything right here in Australia. So when quality matters you can be assured the highest standard is delivered with every QX-280 amplifier.

FEATURES

SUPERIOR CLASS D AMPLIFIERS

High efficiency extended rail voltage output topology delivers outstanding clarity and dynamic range

70/100V OR LOW IMPEDANCE OPERATION

The QX-280 range technology performs reliably into both constant voltage high and low impedance audio installation loads

COMPACT 1RU CHASSIS

High power channel density accommodated within a 19" rack format

FAST RESPONSE AUTO SLEEP FUNCTION

Saves energy and aids thermal management through energy efficient auto standby after 10 minutes of no signal. Instant recovery on signal presence

SELECTABLE 80Hz HIGH PASS FILTERS

Remove unwanted power consuming low frequency component to increase voice intelligibility and midrange power

INTEGRATED INPUT LIMITING

Protects against clipping and distortion due to excessive input levels

SMART THERMAL MANAGEMENT

Auto thermal management technology ensures maximum amplifier life under the most adverse climatic conditions

AUTO LOAD SENSING

Transformerless circuitry automatically detects impedance load and compensates to deliver optimum performance across all loudspeaker platforms

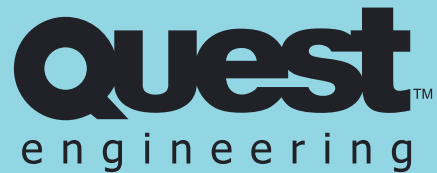
SCALABLE INSTALLATION OPTIONS

Available in 1, 2 and 4 channel rack mount models. The QX-280 multichannel range with individual channel power supplies afford greater reliability across a multi channel platform

	QX1280	QX2280	QX4280
	1 Channel	2 Channels	4 Channels
Net Weight	4.5kg	4.9kg	5.7kg
Gross Weight	7.1kg	7.5kg	8.3kg

Dimensions (H x W x D)	44 x 485 x 304mm	
Input Connections	3-Way 5.08mm Captive Screw Connector	
Output Connections	2-Way 5.08mm Locking Captive Screw Connector	
Mains Power Connection	IEC C14	
Mains Input Voltage	85 - 265VAC	
Peak Output Current	25A Per Channel	
THD+N (1kHz @ 1W / 1kHz ½ Rated Power)	0.022% / 0.015%	
Dynamic Range	119dBA	
Output Resistance (1kHz)	43.6mΩ	
Peak Output Voltage (unloaded)	±140V	
Power Output	4Ω	280W Per Channel
	8Ω	245W Per Channel
	70V	250W Per Channel
	100V	240W Per Channel
Frequency Response	±0.1dB 20Hz - 20kHz (1st order 22kHz LPF)	
Voltage Gain (@ 1kHz)	32dB	
Sleep Mode Power Consumption	1.1W Per Channel	
Standby Mode Power Consumption	4.7W Per Channel	

Quest Engineering reserves the right to modify specifications at any time.



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10 YEAR WARRANTY

The QX-280 series is built with the very best componentry and fully tested to the demands for commercial environment. We are so confident we are delivering studio quality sound with full commercial reliability that we guarantee the QX-280 series for 10 years.

So when peace of mind matters, we've got you covered.