

Q2

# FOUR CHANNEL POWER AMPLIFIER

The Bias Q2 has favourably smaller dimensions and a lighter weight while still being reliably durable and maintaining an impressive sound quality. A high efficiency microprocessor-controlled power supply with built in PFC (Power Factor Correction) allows flawless worldwide operation with any AC mains voltage in the range of 85-275 VAC, tolerant to peak up to 400 V. The patented SRM (Smart Rails Management) technology maximises the efficiency, while drastically reducing power consumption at any load and usage condition. A secondary, highly efficient power supply keeps the system responsive at any operating condition, so that system checks and monitoring can be performed even in stand-by and deep-sleep modes. Designed to work with lo-Z (from 2  $\Omega$ ) and with 70V/100V distributed lines, any mixed configuration of low and high impedance output loads can be achieved, making the Bias Q2 suitable for all applications in installed sound reinforcement systems. DSP+D versions of the Bias Q2 extend system performance, with the support of Dante™ digital audio networking architecture and the on-board, high-end signal processing.



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## PRODUCT DETAILS

### KEY FEATURES

Four channels

Provides reliable premier-grade power and headroom

Small package

Applications: high impact nightclub, nightclub fill, vip rooms, indoor and outdoor dance events, cruise ships, outdoor, house of worship, large scale touring, stadium arena, bar, club, lounge, hotel, restaurants, live music venues, stage monitoring

### SPECIFICATIONS

Number of channels	4
Input	100-240 V 50-60 Hz PFC
Frequency response	20 Hz - 20 kHz ( $\pm 0.5$ dB)
Input impedance	20 kohm Balanced
Output per channel	1500 W @ 2 ohm, 1200 W @ 4 ohm, 1200 W @ 8 ohm
Output bridged	3000 W @ 4 ohm, 2400 W @ 8 ohm
Dampening factor	> 500 @ 8 ohm, 20-200 Hz
S/N ratio	> 110 dB (20 Hz - 20 kHz)
Crosstalk separation	typical -70 dB @ 1 kHz
THD+N	< 0.1% (typical < 0.05%) from 1 W to full power
DIM	< 0.05% from 1W to full power
Slew Rate	50 V/ $\mu$ s
Peak output voltage	139 V
Peak output current	45 A

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AD Converter	Dual 24 bit Tandem® @ 48 kHz with 125 dB-A
Dynamic Range	-0.005% THD+N
DA Converter	Dual 24 bit Tandem® @ 48 kHz with 117 dB-A
Dynamic Range	-0.003% THD+N
Internal precision	32 bit floating point
Crossover	Butterworth, Linkwitz-Riley, Bessel
Dimensions (WxHxD)	483x44.5x358 mm
Weight	7 kg