

Q5

FOUR CHANNEL POWER AMPLIFIER

Specially designed with versatility and ease of use in mind, the Bias Q5 is equally suitable for most bass enclosures, as well as high-power, full-range systems in any configuration. The flexible, innovative power supply can be used for single phase, bi-phase or three-phase operation from 85 VAC up to 460 VAC without the need for selection. True three-phase power load balancing with power factor correction is possible via the unit, enhancing efficiency without any complex load assignment in the power distribution system. Specialised technologies also minimise carbon footprint and operational costs. The Bias Q5 provides four fully processable channels and selectable inputs from analogue sources, as well as digital AES3. Channel mixing and routing is enhanced by the integrated, revolutionary, low latency DSP, giving the highest degree of freedom in sound shaping and speaker management. Full support to 100 Mbps and Gigabit Ethernet allow easy integration into any existing infrastructure. In addition, total integration with the Armonia Pro Audio Suite™ enables a new power management experience on smartphones and tablets.



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PRODUCT DETAILS

KEY FEATURES

Four channels

Innovative power supply design

Flexible routing and mixing

Four input channels with physical analogue and digital AES3 connectors for maximum flexibility

Customisable input backup policy to automatically switch input source in case of signal failure for improved reliability

Complete user interface integrated into ArmoniaPro Audio Suite™

WiFi remote monitoring through mobile devices

Top-grade DSP with high dynamic range and extensive feature set

Multi-stage signal processing

Input and output IIR, FIR, IIR+FIR equalizers and raised-cosine filters

Complete sets of limiters (peak, RMS voltage, RMS current, and TruePower™)

Speaker cable loss compensation with ActiveDampingControl™

Full protection circuitry: over/under AC voltage; troublesome signals (clipping, VHF, long-term RMS); DC; thermal; short circuit; and mute at power on/off

Applications: Bar, club, lounge, Corporate and AV, House of worship, Indoor and outdoor dance events, Large-scale touring, Live music venues

SPECIFICATIONS

Number of channels	4
Input	100-240 V 50-60 Hz PFC
Frequency response	20 Hz - 20 kHz (±0.5 dB)
Input impedance	20 kohm Balanced

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Output per channel	5200 W @ 2 ohm, 4000 W @ 2.7 ohm, 3000 W @ 4 ohm, 1600 W @ 8 ohm
Output bridged	10400 W @ 4 ohm, 6000 W @ 8 ohm
Dampening factor	> 5000 @ 8 ohm, 20-500 Hz
Crosstalk seperation	-70 dB @ 1 kHz
THD+N	< 0.5% (typical < 0.01%) from 1 W to full power
DIM	< 0.5% (typical < 0.01%) from 1 W to full power
Slew Rate	50 V/ μ s
Peak output voltage	175 V
Peak output current	130 A
AD Converter	Dual 24 bit Tandem® @ 96 kHz with 129 dB Dynamic Range -0.00056% THD+N
DA Converter	Dual 24 bit Tandem® @ 192 kHz with 121 dB Dynamic Range -0.00084% THD+N
Internal precision	40 bit floating point
Crossover	Butterworth, Linkwitz-Riley, Bessel
Dimensions (WxHxD)	483x44.5x495 mm
Weight	15 kg