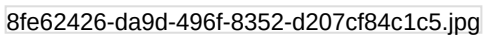
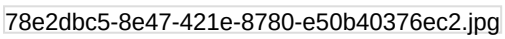
Q2+

4-CHANNEL INSTALLATION AMPLIFIER, 1500 W @ 2 ?, INTEGRATED DSP

Q2+

Bias Q2 4-channel amplifier in a 1 RU format is designed to deliver reliable audio performance, energy efficiency, and installation flexibility, all within a lightweight and compact chassis. With a power output of 1500 W per channel at 2 ? (up to 3000 W bridged at 4 ?), it is ideal for fixed or mobile applications that demand high power density in a small footprint. The high-efficiency power supply, controlled by a microprocessor and featuring Power Factor Correction (PFC), ensures stable operation across any mains voltage from 85 to 275 VAC, with peak tolerance up to 400 V. The SRM (Smart Rails Management) technology dynamically optimizes internal voltage delivery, resulting in lower power consumption, reduced heat dissipation, and optimal management under variable loads. The amplifier is compatible with both Lo-Z systems (from 2 ?) and 70V/100V distributed lines, including mixed configurations. DSP+ versions integrate digital signal processing and AES67 audio networking, allowing flexible routing, advanced EQ, FIR filters, limiters, delays, and polarity management via dedicated software. Compact, powerful, and ready for seamless AV integration, this unit is a perfect solution for clubs, hotels, retail environments, hospitality venues, and public spaces.


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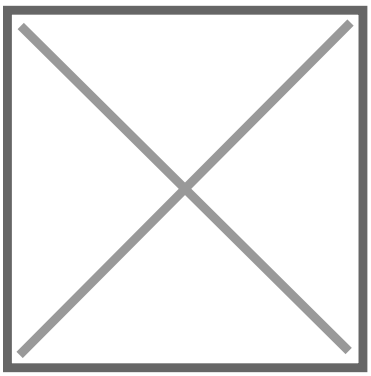
70V-100V Line DSP Eco Friendly Fan Controlled by Processor

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Q2+

4-CHANNEL INSTALLATION AMPLIFIER, 1500 W @ 2 ?, INTEGRATED DSP

HIGHLIGHTS

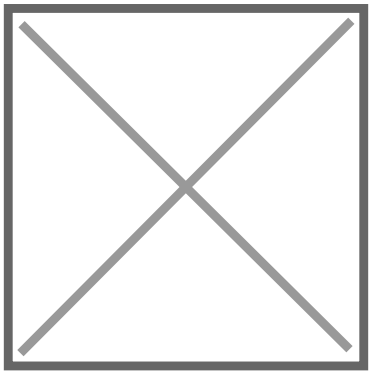


ADVANCED INTEGRATED DSP

The Bias Q2 integrates an advanced hardware DSP designed to provide precise, secure and fully customizable audio management.
The DSP+ version expands functionality with native support for the AES67 standard, enabling audio routing over IP networks and integration into complex digital systems. Everything is manageable in real time via ArmoníaPlus, for complete control over filters, limiters, signal and diagnostics, even remotely.

VERSATILE APPLICATION, CONSISTENT PERFORMANCE

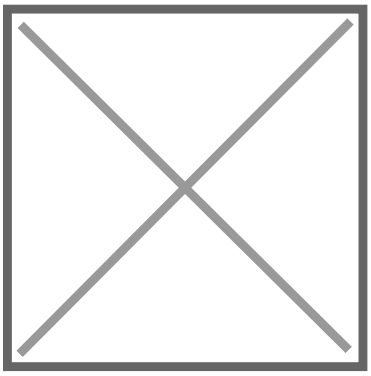
Designed to work with lo-Z (from 2 ?) and 70V/100V distributed lines, any mixed configuration of low and high impedance output loads is possible, making the Bias Q2 suitable for all applications in installed sound reinforcement systems.



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Q2+

4-CHANNEL INSTALLATION AMPLIFIER, 1500 W @ 2 ?, INTEGRATED DSP

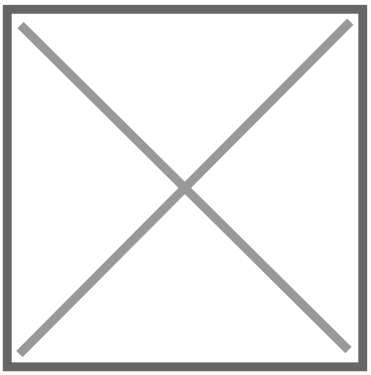


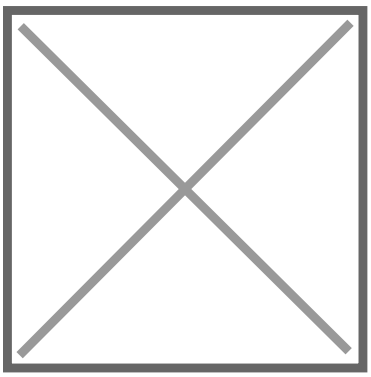
INTELLIGENT EFFICIENCY WITH SRM™ TECHNOLOGY

The Bias Q2 incorporates Smart Rails Management™ technology, which adapts power draw in real time based on the load and audio signal. The result? Reduced power consumption, lower thermal dissipation, and maximum operating efficiency, even with UPS or limited power lines.

PFC (POWER FACTOR CORRECTION) FOR FLAWLESS WORLDWIDE OPERATION

Highly efficient, microprocessor-controlled power supply with built in PFC (Power Factor Correction) for flawless worldwide operation with any AC mains voltage in the range 85-275 VAC tolerant to peak up to 400 V





INTELLIGENT VARIABLE SPEED VENTILATION

Ventilation is controlled by internal temperature, with front-to-rear airflow for rack mounting.

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Q2+

4-CHANNEL INSTALLATION AMPLIFIER, 1500 W @ 2 ?, INTEGRATED DSP

PRODUCT DETAILS

KEY FEATURES

- High power for its size, with 4 channels of 1500 W into 2 ? and up to 3000 W in bridge
- Native compatibility with 70V and 100V lines, allowing use in high-impedance distributed systems without the need for external transformers.
- Ultra-compact construction in 1U rack format, weighing only 7 kg, designed for discreet integration in fixed professional installations.
- Presets optimized for Void speakers, ensuring maximum sound output and simplified integration into existing systems.

SPECIFICATIONS

Number of channels	4
Power rating	1200 watts per channel @ 8 ?, 1200 watts per channel @ 4 ?, 1500 watts per channel @ 2 ? | BRIDGE MODE
AD converters	24 Bit Tandem™ @ 48 kHz 125 dB-A Dynamic Range - 0.005 % THD+N
DA converters	24 Bit Tandem™ @ 48 kHz 117 dB-A Dynamic Range - 0.003 % THD+N
Sample rate converter	24 Bit @ 44.1 kHz to 192 kHz 140 dB Dynamic Range - 0.0001 % THD+N
Internal precision	32 bit floating point
Latency	2.5 ms (fixed)
Preset Memory	128 MB (RAM) plus 512 MB flash for presets
Delay	2 s input + 100 ms output for time alignment
Equalizers	parametric IIR (peaking, hi/lo-shelving, band-pass, band-stop, all-pass, hi/lo-pass) | custom FIR | Raised-cosine
Crossover	FIR linear phase | Butterworth | Linkwitz-Riley | Bessel 6 to 48 dB/oct (IIR)

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Q2+

4-CHANNEL INSTALLATION AMPLIFIER, 1500 W @ 2 ?, INTEGRATED DSP

Limiter	TruePower™, RMS voltage, RMS current, Peak
Damping Control	Active DampingControl™ and LiveImpedance™
Selectable gains	26 / 29 / 32 / 35 dB
Input sensitivity @ 8 ?	4.9 Vrms for 26dB / 3.47Vrms for 29dB / 2.45Vrms for 32dB / 1.73 Vrms for 35dB
Maximum input level	20 dBu
Frequency response (±0.5 dB , 1 W @ 8 ?)	20 Hz - 20 kHz
Crosstalk (1 kHz)	Typical -70 dB
Signal-to-noise ratio (32 dB gain)	>110 dB(A)
Input impedance	20 k? balanced
THD+N (from 0.1 W to maximum power)	<0.1% (typical <0.05%)
DIM (from 0.1 W to Full Power)	< 0.05%
Slew rate	>50 V/µs (input filter bypassed)
Output channels	4x channels (Hi-Z or Lo-Z, bridgeable)
Analog inputs	4x Phoenix MC 1.5/12-ST-3.81
AES67 digital inputs	4 channels (1 x RJ45)
Output Connectors	Phoenix PC 5/8-STF1-7.62
Dimensions (W x H x D)	483mm x 44.5mm x 358mm
Weight	7.0 kg (15.4 lb)
Power Supply Type	Universal regulated switching with PFC and SRM
Rated voltage	100-240 V ±10%, 50-60 Hz
Power factor (above 500 W)	>0.95
AC Mains connector	IEC C20 (max 20 A) region-specific power cord provided
Current draw and consumption	idle (DSP+D) 33.6 W (0.5 A @ 115 V / 33.7 W (0.25 A @ 230 V) | 1/8 power @ 4 ? 850 W (9.16 A @ 115 V) / 826.8 W (5.02 A @ 230 V) | 1/8 power @ 4 ? 1718 W (15.96 A @ 115 V) / 1651 W (9.41

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