

# D1 TWO CHANNEL POWER AMPLIFIER

Easy set up and accessible parameters result in this highly versatile Bias D1 amplifier. The front panel LED display provides status feedback, which can alternatively be obtained by connecting the amp to a PC running Armonia Pro Audio Suite™ software. A fully integrated, state-of-the-art DSP offers extensive system management features, including sound shaping and limiter functionality. In addition, the DSP hardware and Armonia Pro Audio Suite™ software enable compliance with IEC 60849. Designed to work with lo-Z (from 2 Ohm) and 70V/100V distributed lines, any mixed configuration of low and high impedance output loads is possible, making the Bias D1 suitable for all applications in installed sound reinforcement systems. DSP+D versions of the Bias D1 extend system performance, supported by Dante™ digital audio networking architecture and the on-board, high-end signal processing. Significant eco-friendly, energy-saving efficiency results in low operational costs, power consumption, heat dissipation and carbon footprint.



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## TWO CHANNEL POWER AMPLIFIER

### PRODUCT DETAILS

#### KEY FEATURES

Two 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

<b>Number of channels</b>	2
<b>Input</b>	100-240 V 50-60 Hz PFC
<b>Frequency response</b>	20 Hz - 20 kHz ( $\pm 0.5$ dB)
<b>Input impedance</b>	20 kohm Balanced
<b>Output per channel</b>	1000 W @ 2 ohm, 800 W @ 4 ohm, 800 W @ 8 ohm
<b>Output bridged</b>	2000 W @ 4 ohm, 1600 W @ 8 ohm
<b>Dampening factor</b>	> 500 @ 8 ohm, 20-200 Hz
<b>S/N ratio</b>	> 109 dB (20 Hz - 20 kHz)
<b>Crosstalk separation</b>	typical -70 dB @ 1 kHz
<b>THD+N</b>	< 0.1% (typical < 0.05%) from 1 W to full power
<b>DIM</b>	< 0.05% from 1W to full power
<b>Slew Rate</b>	50 V/ $\mu$ s
<b>Peak output voltage</b>	115 V
<b>Peak output current</b>	45 A

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