AURA-4B300

COMMERCIAL AMPLIFIERS

Multichannel LoZ & HiZ Amplifier



A&E SPECIFICATIONS

The amplifier shall be a four-channel Class D unit designed for commercial audio applications, capable of delivering four independent output channels.

The unit shall provide 4 x 300 W RMS at 4 Ω, with compatibility for low impedance loads (2 Ω, 4 Ω, 8 Ω) and high impedance distributed lines (70 V / 100 V), selectable via rear panel configuration. The amplifier shall support both dual and bridge operation modes, allowing up to 600 W per bridged channel pair.

The amplifier shall include four balanced analogue inputs via 3-pin Euroblock connectors and four amplified outputs via 4-pin Euroblock connectors. Each input shall feature a selectable link to channel 1 for signal routing flexibility.

The device shall provide a frequency response of 15 Hz to 30 kHz and total harmonic distortion plus noise lower than 0.1%, with a signal-to-noise ratio of 91.9 dBA.

The amplifier shall incorporate a high-efficiency switched-mode power supply with power factor correction and operate on universal AC mains ranging from 100 to 240 V AC, 50–60 Hz.

Thermal management shall be provided by a dual fan forced ventilation system, and the unit shall include protection circuits against thermal overload, short-circuit, DC faults and clipping.

The device shall feature an auto standby function enabling energy-saving operation.

User controls shall include front panel level controls per channel, with lock functionality via rear panel switches. Output mode configuration shall be selectable via rear panel DIP switches.

Visual monitoring shall be available through front panel LED indicators per channel for signal presence, clipping, protection and standby status.

The unit shall be suitable for rack mounting (19”) or desktop installation, with dimensions of 484 x 44 x 296.6 mm and a weight of approximately 5 kg.

The amplifier shall be the Ecler AURA-4B300.

98-0016-0100

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All product characteristics are subject to variation due to production tolerances
NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.
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