



LA4

AMPLIFIED CONTROLLER



The LA4 amplified controller belongs to the generation of high-end integrated controllers entirely dedicated to the comprehensive operation of L-ACOUSTICS® loudspeaker systems. The LA4 combines in a 2U lightweight chassis the resources of a 2 x 4 DSP engine driving four channels of amplification delivering up to 1000 watts each, a comprehensive library of factory presets, a user-friendly front panel interface, two I/O Ethernet connection ports for network remote control, a connection panel for audio inputs and speaker outputs, and a slot for optional AES/EBU input board (refer to the **LA-AES3 spec sheet**).

L-ACOUSTICS® preset library for LA4

- KIVA, KILO
- 5XT, 8XT, 8XTi, 12XT, 12XTi
- SB15m, SB18, SB18i, SB18m
- Legacy coaxials, ARCS, SBI18

Full system drive capability

- Factory presets for active and passive modes.
- Flexible I/O matrix routing between the two inputs and the four amplified outputs.

32-bit floating point DSP, 96 kHz sampling rate

- 24-bit cascaded A/D converters, 130 dB dynamic range
- Combined IIR/FIR algorithms
- Adjustable input and output delays
- Section dedicated to system equalization using LA NETWORK MANAGER
- L-DRIVE excursion and temperature real-time control
- Fixed latency = 3.9 ms (or 3.4 ms with optional AES/EBU)

4-channel amplifier

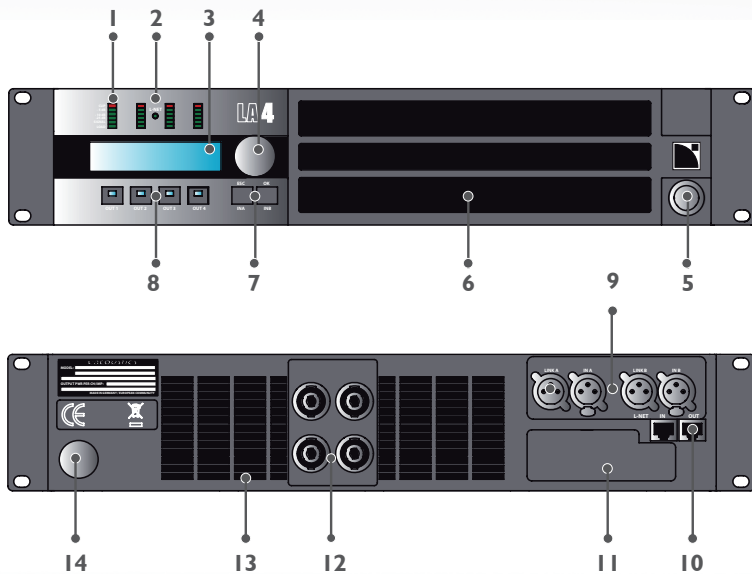
- Universal switched mode power supply, 120 / 230 V (or 100 / 200 V for Japan)
- 4 x 800 W / 8 Ω at 1% THD, all channels driven (4 x 930 W peak)
- 4 x 1000 W / 4 Ω at 1% THD, all channels driven (4 x 1600 W peak)
- Amplifier gain = 32 dB

Audio specifications

- Frequency response: 10 Hz - 30 kHz, -0.1/+0.15 dB at 8 Ω
- Output noise: -73 dBV (20 Hz – 20 kHz, A-weighted)
- Output dynamic range: 111 dB (20 Hz – 20 kHz A-weighted)
- Max input level: +22 dBu (balanced, THD 1%)
- Channel separation: > 80 dB (1 kHz)
- Input impedance: 22 kΩ, balanced

Dimensions

- H x W x D: 88 (2U) x 483 x 420 mm 3.5 (2U) x 19 x 16.5 in
- Weight (net): 11.1 kg 24.5 lbs
- Finish: black and anthracite gray



- 1 Clip and level bargraph LED
Signal presence LED
Load LED
- 2 L-NET network control LED
- 3 LCD screen
- 4 Nav/Edit encoder wheel
- 5 On/Off switch
- 6 Anti-dust cover
- 7 Input selection + menu keys
- 8 Output selection keys
- 9 Analog audio Input/Link connectors (XLR)
- 10 L-NET network I/O connectors (RJ45)
- 11 Slot for optional AES/EBU Input card
- 12 SpeakON® output connectors
- 13 Fan grill
- 14 A/C power cord