





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, I30 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
- ullet 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 $\,\Omega$ at 1% THD, all channels driven (4 x 930 W peak)
- $4 \times 1000 \text{ W} / 4 \Omega \text{ at } 1\% \text{ THD}$, all channels driven $(4 \times 1600 \text{ W peak})$
- Amplifier gain = 32 dB

Audio specifications

 $\begin{tabular}{lll} \bullet & Frequency response: & $10\ Hz - 30\ kHz, -0.1/+0.15\ dB at 8\ \Omega$ \\ \bullet & Output noise: & -73\ dBV\ (20\ Hz - 20\ kHz, A-weighted) \\ \bullet & Output dynamic range: & $111\ dB\ (20\ Hz - 20\ kHz\ A-weighted)$ \\ \bullet & Max input level: & +22\ dBu\ (balanced, THD\ 1\%) \\ \end{tabular}$

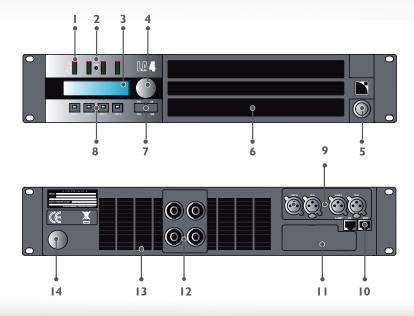
• Channel separation: > 80 dB (I kHz)• Input impedance: $22 \text{ k}\Omega$, balanced

Dimensions

• $H \times W \times D$: 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



- 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)
- II Slot for optional AES/EBU Input card
- 12 SpeakON® output connectors
- 13 Fan grill
- I4 A/C power cord