LA8

AMPLIFIED CONTROLLER

The LA8 amplified controller belongs to the generation of high-end integrated controllers entirely dedicated to the comprehensive operation of L-ACOUSTICS® loudspeaker systems. The LA8 combines in a 2U lightweight chassis the resources of a 2 x 4 DSP engine driving four channels of amplification delivering up to 1800 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 an AES/EBU input board.

L-ACOUSTICS® preset library for LA8

- K1, K1-SB, KUDO
- KARA, ARCS II
- SB18, SB28
- 115XT HiQ
- Legacy products: V-DOSC, dV-DOSC, dV-SUB, ARCS, SB118, SB218

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
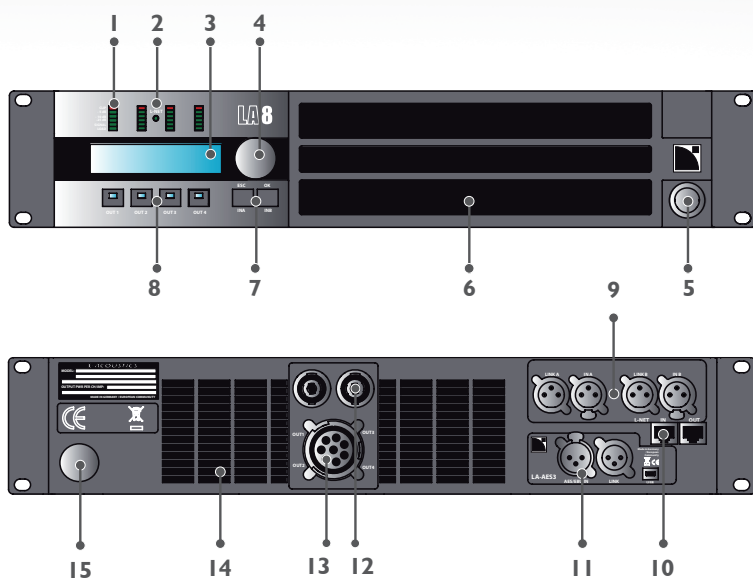- Fixed Latency = 3.8 ms

4-channel amplifier

- Universal switched mode power supply, 120 / 230 V (or 100 / 200 V for Japan)
- 4 x 1100 W / 8 Ω at 1% THD, all channels driven (4 x 1300 W peak)
- 4 x 1800 W/4 or 2.7 Ω at 1% THD, all channels driven (4 x 2500 W peak)
- Amplifier gain = 32 dB

Audio specifications

- Frequency response: 10 Hz – 30 kHz, -1.5/+0 dB at 8 Ω
- Output noise: -67 dBV (20 Hz – 20 kHz, A-weighted)
- Output dynamic range: 107 dB (20 Hz – 20 kHz, A-weighted)
- Max input level: +22 dBu (balanced, THD 1%)
- Channel separation: > 85 dB (1 kHz)
- Input impedance: 22 kΩ, balanced
- AES/EBU input board: refer to the **LA-AES3 spec sheet**

Dimensions

- H x W x D: 88 (2U) x 483 x 420 mm   3.5 (2U) x 19 x 16.5 in
- Weight (net):   12.2 kg   26.9 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	Digital audio Input/Link connectors (XLR)
12	SpeakON® output connectors
13	CA-COM® output connector
14	Fan grill
15	A/C power cord

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