

ZL-A 200 AIArray / ZL-A 200 AIArray DANTE Active Line Array with Beam Steering



Description

Active line array with beam steering for even sound coverage in large rooms. With our browser-based **LB AUDIO CONTROL App**, the sound dispersion of the ZL-A Series can be quickly simulated regarding room dimensions and audience.

With the OPTIMIZE function, one or two beams are automatically generated to cover the audience. Alternatively, the beams can be formed manually varying inclination and opening angles.

24 long-throw full-range drivers with an exceptionally wide frequency range ensure high speech intelligibility and excellent music reproduction.

The line arrays are controlled and monitored with network commands via Ethernet.

The latest Class D amplifier technology with sleep and standby functions ensure very low power consumption.

The **ZL-A 200 AIArray DANTE** version is additionally equipped with a DANTE interface.

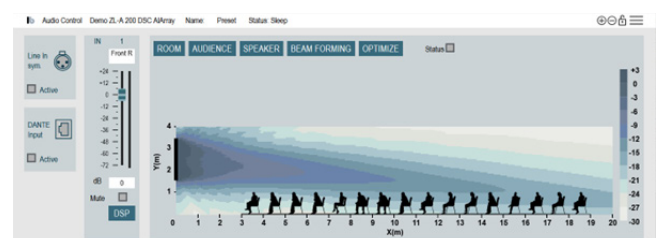


Key Features

- Active DSP-controlled Line Array with Beam Steering
- Adjustable vertical dispersion using the LB AUDIO CONTROL App
- Coverage of the audience with one or two beams
- Automatic optimization of sound dispersion to cover the audience
- Control and status monitoring with network commands
- Very linear frequency range
- Horizontal beam width 140°
- 12 x 70 watts amplifier power
- 24 x 2,5" full-range drivers
- Max. SPL 126 dB
- Optional DANTE-Interface
- Customized versions on request

Fields of Application

- Exhibitions, trade fairs
- Hotels
- Churches
- Concert halls, theatres
- Museums
- Large rooms, halls

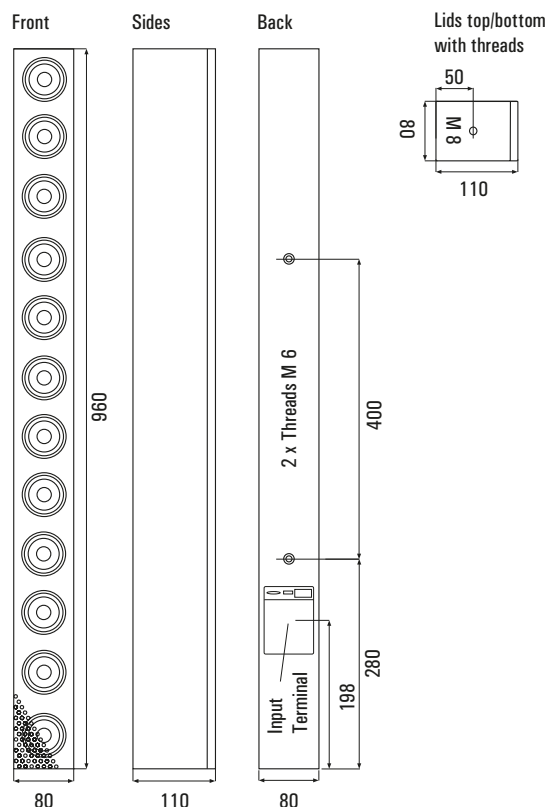


The dispersion characteristics of the ZL-A 200 AIArray can be adjusted with our new **LB AUDIO CONTROL App**.

ZL-A 200 AIArray / ZL-A 200 AIArray DANTE

Active Line Array with Beam Steering

Dimensions



Technical Data

Principle	Active Line-Array with Beam Steering
Components	24 × 2,5" long excursion full-range drivers with Neodym-magnet system
Dispersion horizontal	140° (Ø 500 Hz ... 10 kHz) -6 dB
Beam Steering vertical	1 Beam or 2 Beams, independently adjustable
Beam direction	- 45° ... +45°, adjustable
Opening angle	-20° ... +60°, adjustable (negative opening angles create a focus in front of the speaker)
Software	LB AUDIO CONTROL App for PC and Mac
Frequency range	60 ... 22.000 Hz (-10dB), 100 ... 20.000 Hz (-3 dB)
Sensitivity	max. 126 dB (@1 m)
Nom. input level	Line In analog +4 dBu sym., digital 0 dBFS
Max. input level	+ 14 dBu sym.
Impedance	10 kOhms
Amplifier power	12 x 70 watts
Dynamic range	> 120 dB
DSP	32 Bit, 48 kHz
Latency	0,64 ms
DSP Functions	10 parametric filters for input, highshelf, lowshelf, compressor, limiter, delay, multiband-limiter, 40 presets, Auto On/Off (Sleep Mode)
Max. Delay (Input)	1200 ms (408 m)
Controls	DIP-Switch for Groundlift and Steady ON, Power switch
Network commands (Remote control)	On/Off, Gain, Mute, Presets, Level, Status monitoring
Dimensions (W × H × D)	80 × 1920 × 103 mm
Weight	11 kg
Cabinet	Aluminium, powder coated front metal grille, powder coated
Attachment points	Thread inserts M 8 on top/bottom, M 6 on the back
Connectors	XLR Input, Ethernet, Ethernet for DANTE, IEC connector
Power supply	90...260 V AC 50/60 Hz
Power consumption	
Standby	2 watts
SLEEP	2 watts, with DANTE-Interface 3.1 watts
All channels active (Idle)	8.3 watts, with DANTE-Interface 8.7 watts
Max. cont. power consumption	160 watts
Peak power consumption	900 watts
Thermal loss	max. 160 watts, 565 BTU/h
Warranty	5 years

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Model	Order-No.	Version
ZL-A 200 AIArray White	1009-0001	RAL 9016
ZL-A 200 AIArray Black	1009-0002	RAL 9005
ZL-A 200 AIArray DANTE White	1009-0003	RAL 9016
ZL-A 200 AIArray DANTE Black	1009-0004	RAL 9005

Other length and colours on request

Accessories	Order-No.	Version
W-ZL White W-ZL Black	7110-0005 7110-0006	L-Bracket (Pair)
SH 80 White SH 80 Black	7110-0007 7110-0008	Pivotable wall-mount for ZL-A 200 AIArray and ZL-A 250 AIArray (+/- 45°)



Front without grille

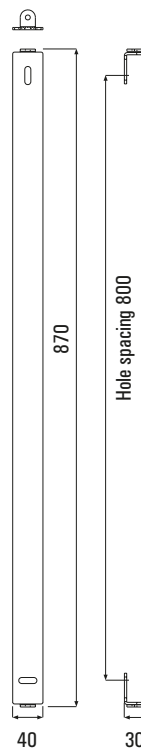


Connection-Terminal

Mounts

SH 80

Pivotable wall-mount (+/- 45°)



26,25

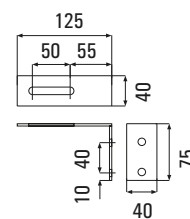
41,5



40

W-ZL

L-bracket top/bottom



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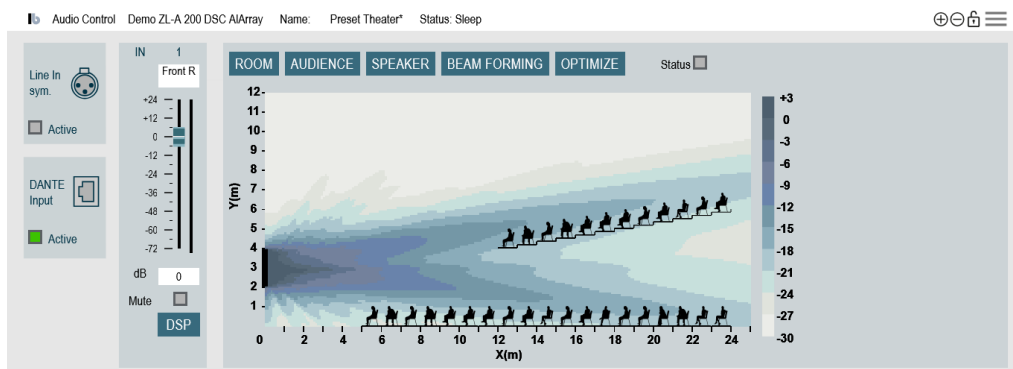
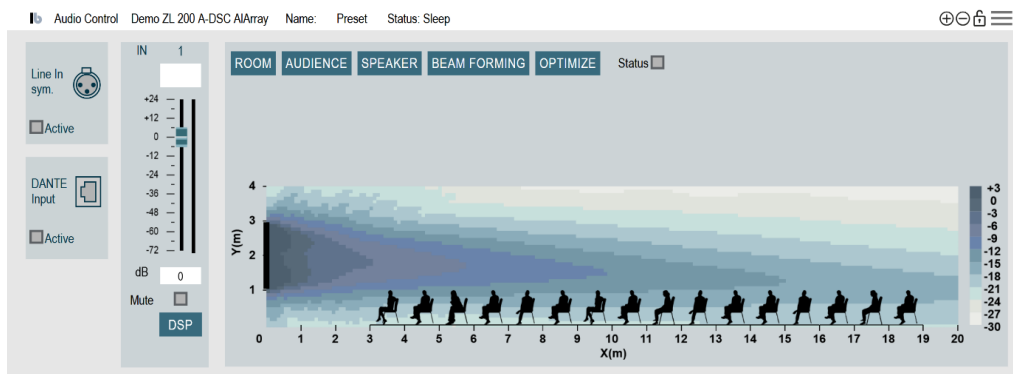
LB AUDIO CONTROL

Browser-based app for simulating and optimizing the sound dispersion of the ZL-A Series Line Arrays with one or two beams.

LB AUDIO CONTROL APP

Browser-based Software
Interface: Ethernet
Windows + Mac OS

Download:
www.lb-lautsprecher.de



LB AUDIO CONTROL App
Installation Instruction / PDF
More Informationen:

<https://www.lb-lautsprecher.de/sites/default/files/2024-05/LB-AUDIO-CONTROL-Installation-Instruction-2024.pdf>