

## ZL-A 100 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 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.

12 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.

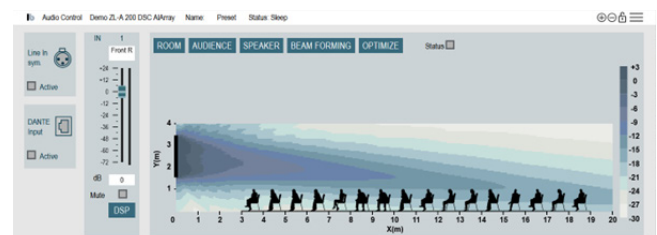


### Key Features

- Active DSP-controlled Line Array with Beam Steering
- Adjustable vertical dispersion using the LB 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°
- 6 x 70 watts amplifier power
- 12 x 2,5" full-range drivers
- Max. SPL 126 dB
- DANTE-Interface
- Customized versions on request

### Fields of Application

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

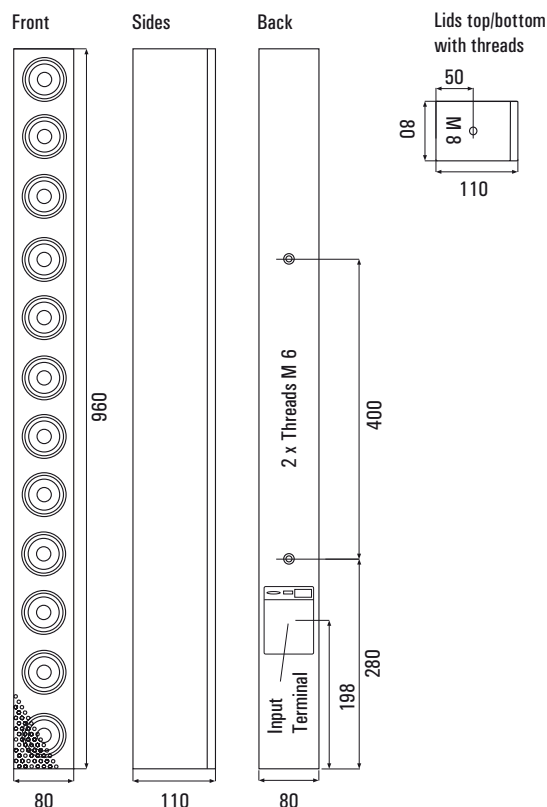


The dispersion characteristics of the ZL-A 100 AIArray DANTE can be adjusted with our **LB CONTROL App**.

# ZL-A 100 AIArray DANTE

## Active Line Array with Beam Steering

### Dimensions



### Technical Data

Principle	Active Line-Array with Beam Steering
Components	12 x 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 CONTROL App for PC and Mac
Frequency range	60 ... 22.000 Hz (-10dB), 100 ... 20.000 Hz (-3 dB)
Sensitivity	max. 120 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	6 x 70 watts
Dynamic range	> 117 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 x H x D)	80 x 960 x 103 mm
Weight	6.5 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
<b>Power consumption</b>	
Standby	2 watts
SLEEP	2 watts, with DANTE-Interface 3.1 watts
All channels active (Idle)	5.2 watts, with DANTE-Interface 5.6 watts
Max. cont. power consumption	80 watts
Peak power consumption	450 watts
Thermal loss	max. 80 watts, 273 BTU/h
Warranty	5 years

# ZL-A 100 AIArray DANTE

## Active Line Array with Beam Steering

Model	Order-No.	Version
ZL-A 100 AIArray DANTE White	1011-0003	RAL 9016
ZL-A 100 AIArray DANTE Black	1011-0004	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 50 White SH 50 Black	7110-0003 7110-0004	Pivotable wall-mount for ZL-A 100 AIArray and ZL-A 125 AIArray (+/- 45°)



Front without grille

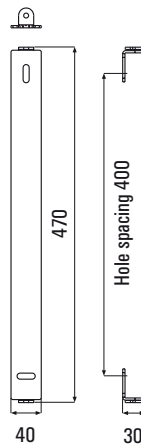


Connection-Terminal

### Mounts

#### SH 50

Pivotable wall-mount (+/- 45°)



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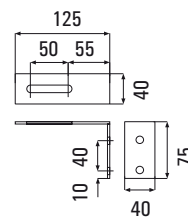
41,5



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#### W-ZL

L-bracket top/bottom



# ZL-A 100 AIArray DANTE

## Active Line Array with Beam Steering

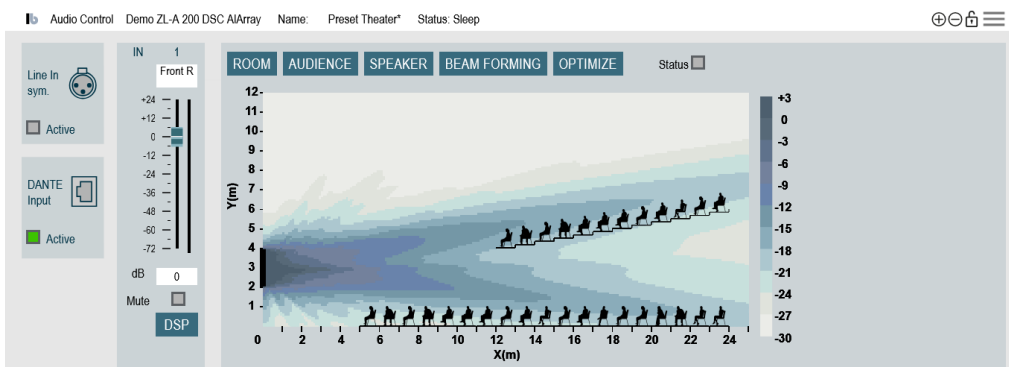
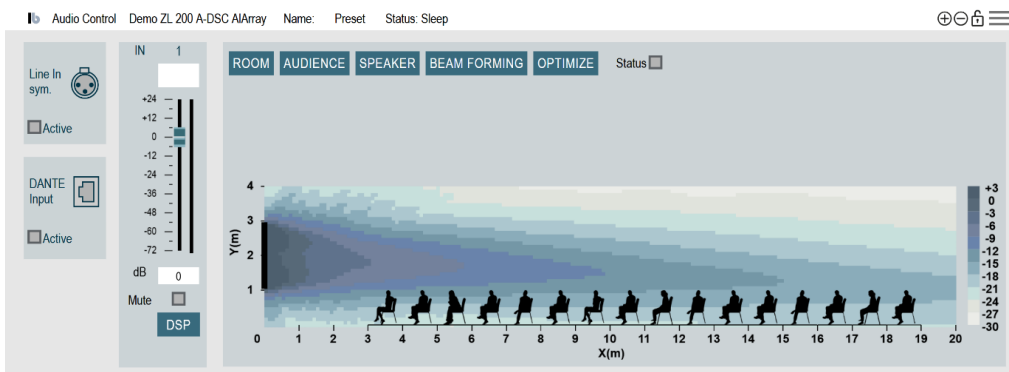
### LB CONTROL App

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

### LB CONTROL APP

Browser-based Software  
Interface: Ethernet  
Windows + Mac OS

Download:  
[www.lb-lautsprecher.de](http://www.lb-lautsprecher.de)



**LB CONTROL App**  
Download Software