ZL 200 A-DSC AlArray
Active 6-Channel Line Array Speaker with Adjustable Directivity

Description

This active 6-channel line array supports DSP-controlled vertical directional characteristics and a long throw to ensure even acoustic irradiation across large rooms. Featuring 24 long excursion full-range speakers with a neodymium motor and phase plug, the ZL 200 A-DSC AlArray has an exceptionally wide frequency range and is ideal for both speech and music reproduction. The sound dispersion characteristics can be adapted to different rooms and situations using our DSC Control software. We can also preconfigure settings on request. We recommend using SUB 40 A and SUB 80 A subwoofers to enhance the low frequency range.

Key Features

- Active 6-channel line array with DSP
- Adjustable vertical directivity
- Very linear frequency range
- 24 × 2.5“ full-range speakers with phase plug
- 6 × 100 watts amplifier power
- Modular aluminium cabinet

Accessories

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

Adjustable vertical directivity (beam steering) via DSC Control software

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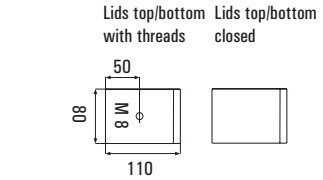
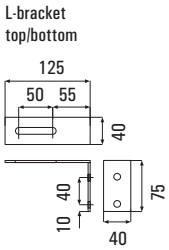
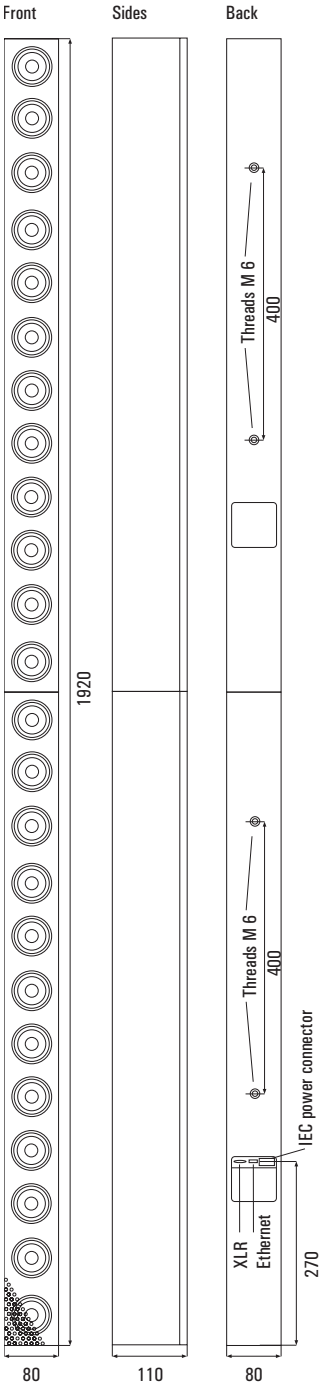
Dimensions

ZL 200-A DSC

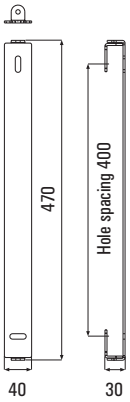


W-ZL



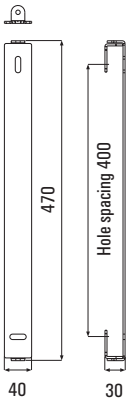


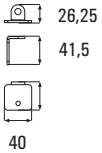
SH 50



SH 50

Pivotable wall-mount (+/- 45°)





Technical Data

Principle	Active 6-Channel Line Array Speaker with adjustable vertical directivity
Components	24 × 2.5" long excursion full-range speakers with phase plug and neodymium magnet system
Frequency range	60 Hz – 24 kHz
Amplifier Power	6 × 100 watts
Maximum SPL	113 dB @10 m
DSP	24 Bit, 48 kHz
Software	lb DSC Control for PC and Mac
Nominal dispersion (H × V)	Horizontal 120°, vertical adjustable via software
Dimensions (W × H × D)	80 × 1920 × 110 mm
Weight	11 kg
Cabinet	Aluminium, powder coated, front metal grille, lids closed or optionally threaded inserts M 8 on top/at bottom, (Please specify bracket type when placing your order)
Connectors	XLR Input, RJ 45 Ethernet, IEC power connector
Power supply	90 – 240 VAC
Warranty	5 years

Modell	Artikel-Nr.	Ausführung
ZL 200 A-DSC AIArray White	1009-0001	RAL 9016
ZL 200 A-DSC AIArray Black	1009-0002	RAL 9005

Other length and versions on request

Accessories	Order-No.	Version
W-ZL White	7110-0005	L-bracket (pair)
W-ZL Black	7110-0006	
SH 50 White	7110-0003	Wall mount
SH 50 black	7110-0004	(+/– 45°)

LB AUDIO CONTROL Software
Browser-based Software for our new DSPs
Interface: Ethernet – Operating system: Windows
Download **www.lb-lautsprecher.de/de/download-software**

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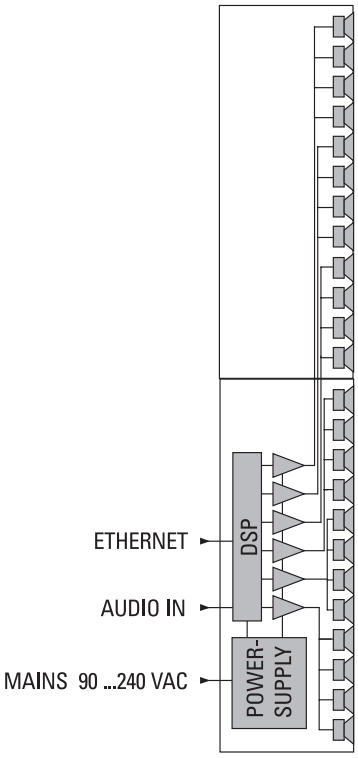
Circuit diagram with controller and amplifier



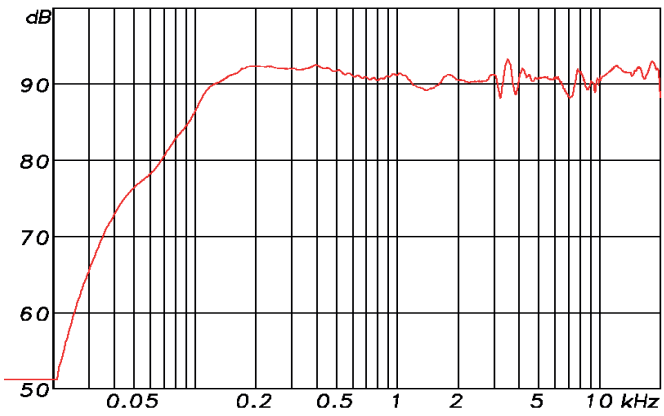
ZL 200 A-DSC

W-ZL
L-bracket

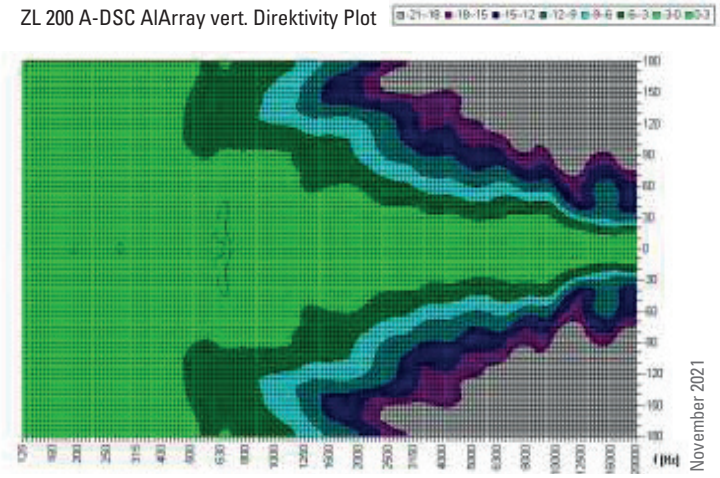
Front without grille

Measuring diagram

ZL 200 A-DSC AlArray Sens. @ 2, 83V/1m, d=4m



ZL 200 A-DSC AlArray vert. Direktivity Plot



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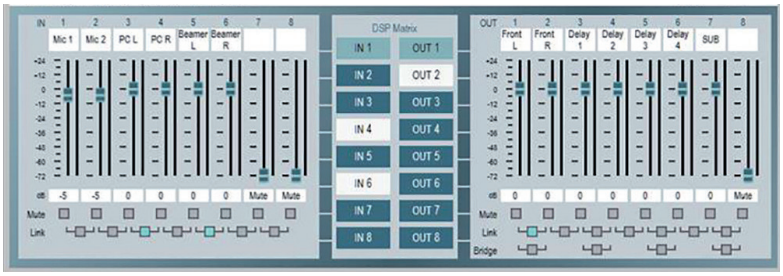
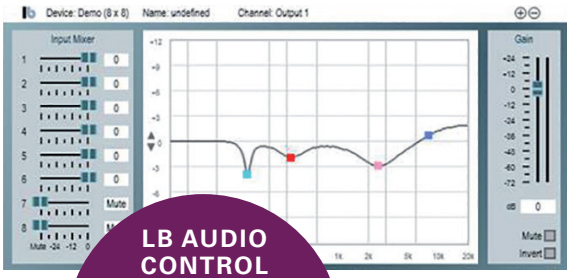
LB AUDIO CONTROL





LB AUDIO CONTROL
Browser-based Software
for our new DSPs
Interface: Ethernet
Download
www.lb-lautsprecher.de

The vertical dispersion characteristics of the line arrays can be set using our new **LB AUDIO CONTROL Software.**
Interface: Ethernet – Operating system: Windows
Download from our website: **www.lb-lautsprecher.de/en/Download-Software**

Calculation from delay times

Lautsprecher: ZL 200 **Berechnung über:** Hörbereich

Tragen Sie hier das gewünschte Abstrahlverhalten ein (Hörbereich):

Unterkante Lautsprecher y(LS):	1,20 m	Unterkante Hörbereich (y1):	0,80 m	Start Hörbereich (x1):	3,0 m
		Oberkante Hörbereich (y2):	1,60 m	Ende Hörbereich (x2):	25,0 m

Gruppe 1
Gruppe 2
Gruppe 3
Gruppe 4
Gruppe 5
Gruppe 6

Für das gewünschte Abstrahlverhalten sind folgende Delaywerte in der DSC-Control Software einzutragen:

	Delay in ms:	Delay in mm:
Out 1:	0,0000 ms	0,00 mm
Out 2:	0,0645 ms	21,94 mm
Out 3:	0,1434 ms	48,75 mm
Out 4:	0,2518 ms	85,61 mm
Out 5:	0,3613 ms	122,83 mm
Out 6:	0,4848 ms	164,83 mm