

ZL 200 AIArray Passive Line Array for 6-Channel Active Operation

Description

The ZL 200 AIArray is a passive line array for 6-channel active operation. It harnesses adjustable vertical directional characteristics and long throw to ensure even acoustic irradiation across large rooms. Featuring 24 long excursion full-range drivers with a neodymium motor and phase plug, the ZL 200 AIArray 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 206 or DSC 808 digital system controllers.

We also preconfigure controllers on request.

We recommend using the SUB 40 or SUB 80 subwoofers to supplement the low frequency range.



Key Features

- Passive line array for 6-channel active operation
- Vertical angle of radiation adjustable via controller
- Very linear frequency range
- 24 × 2.5" full-range speakers with phase plug
- 6 × 120 watts power capacity
- Modular aluminium cabinet

Fields of Application

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

al:array[®]
adapted line array

al:array[®]
adjustable line array



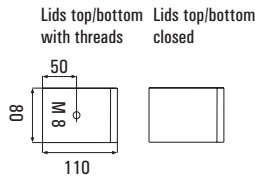
Vertical beam direction adjustable via controller

ZL 200 AIArray

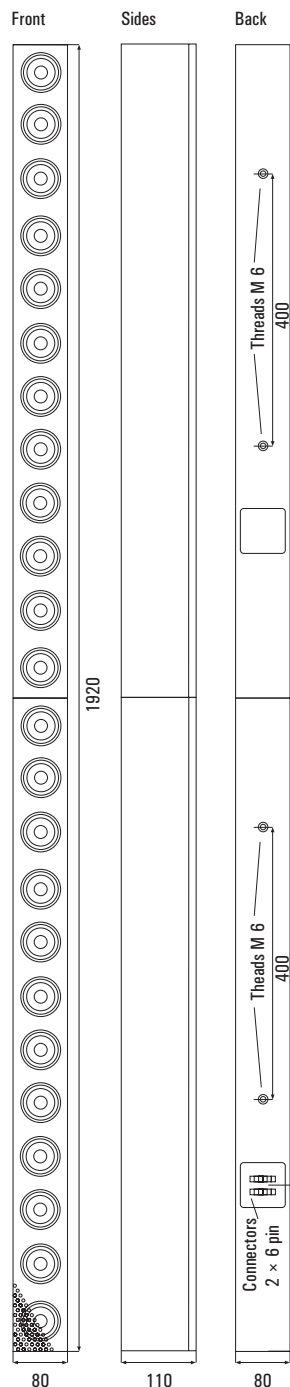
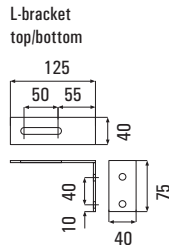
Passive Line Array for 6-Channel Active Operation

Dimensions

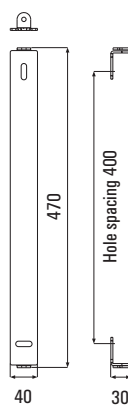
ZL 200



W-ZL

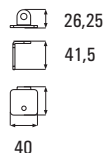
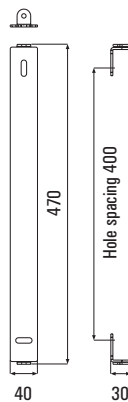


SH 50



SH 50

Pivotable wall-mount (+/- 45°)



Technical Data

Principle	Passive line array for 6-channel active operation
Components	24 x 2.5" long excursion full-range speakers with phase plug and neodymium magnet system
Frequency range	60 Hz – 24 kHz
Impedance	6 x 8 ohms
Power capacity	6 x 60 watts RMS, 6 x 120 watts program
Sensitivity	84 dB (4 x 1 W @ 10 m)
Maximum SPL	112 dB @ 10 m
Nominal dispersion (H x V)	Horizontal 120°, vertical adjustable via controller (controller not included in delivery)
Dimensions (W x H x D)	80 x 1920 x 110 mm
Weight	9.6 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	Screw-type terminals, pluggable
Warranty	5 years

Model	Order-No.	Version
ZL 200 AIArray White	1007-0001	RAL 9016
ZL 200 AIArray Black	1007-0002	RAL 9005

Other length and colours on request

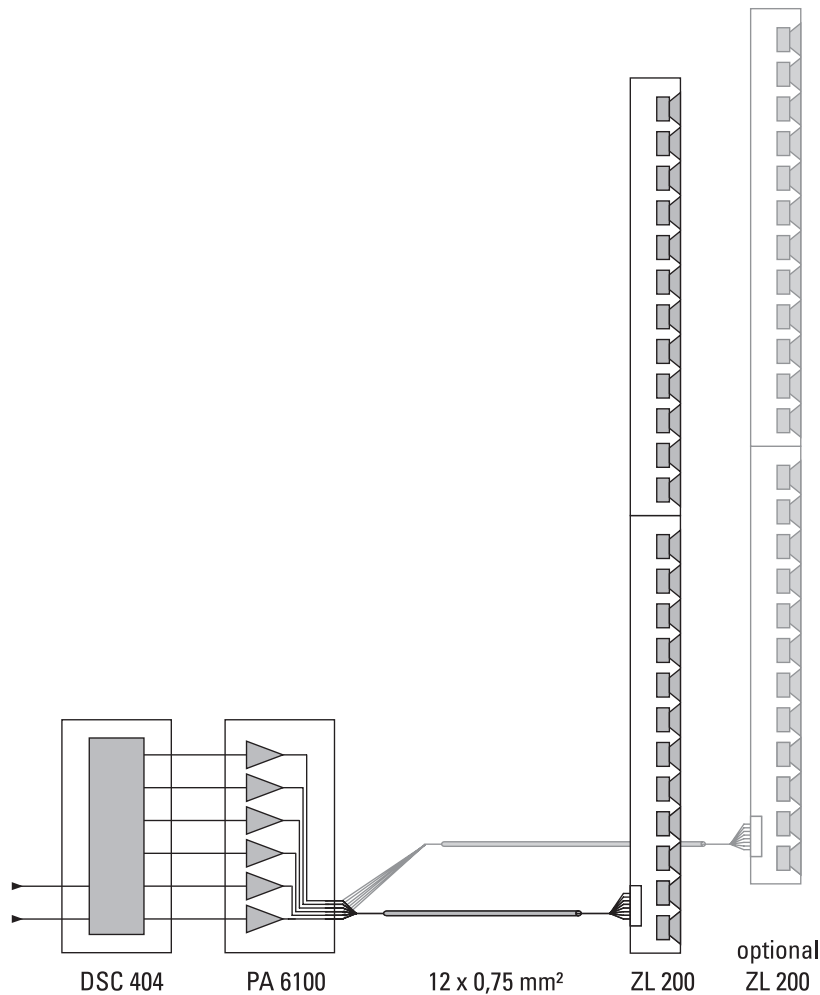
Accessories	Order-No.	Version
W-ZL White	7110-0005	L-bracket (pair)
W-ZL Black	7110-0006	
SH 50 White	7110-0003	Wall mount
SH 50 black	7110-0004	(+/- 45°)



ZL 200 AIArray

Passive Line Array for 6-Channel Active Operation

Circuit Diagram with Controller and Amplifier



W-ZL
L-bracket



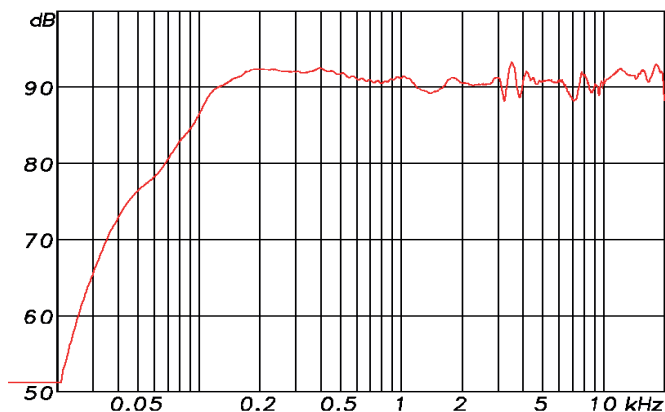
Connectors



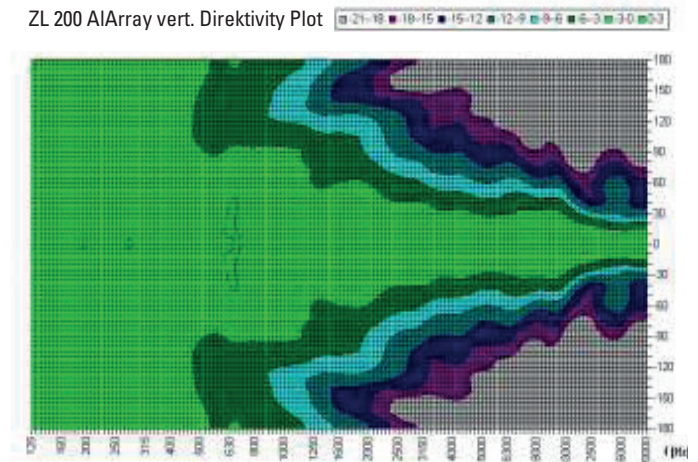
Front without grille

Measuring Diagram

ZL 200 AIArray Sens. @ 2, 83V/1m, d=4m



ZL 200 AIArray vert. Direktivität Plot



Changes and errors excepted. 2/2023