

DL-A 2.4 DSC AIArray / DL-A 2.4 DSC AIArray DANTE Active Stereo Displayspeaker-Pair with Adjustable Vertical Beam Direction

Description

The DL-A 2.4 DSC AIArray is a pair of high-end display speakers with an adjustable vertical dispersion direction for installation on large-format LCD split walls and LED video walls. Depending on the installation height of the speakers, the sound dispersion can be adjusted to the required listening area. Interference caused by sound reflections in indoor spaces is largely avoided. Using our browser-based LB CONTROL Software, the vertical dispersion direction can be selected and saved within a range of -30° to $+30^{\circ}$. The 16-channel active speakers have a total amplifier power of 2×500 watts and are designed for natural reproduction of music and speech at high volume in large indoor spaces. The electronically controlled array with $4 \times 1''$ high frequency drivers and $4 \times 2,5''$ mid-range chassis ensures a constant dispersion direction of $140^{\circ} \times 40^{\circ}$ (H \times V) independent from the beam direction. The integrated subwoofers give DL-A 2.4 DSC AIArrays an extended frequency range with powerful low-frequency sound. For the specific requirements of bass response or high volume we recommend our subwoofers, e.g. SUB 40, SUB 80, B 12 B or B 212 B. In addition to symmetrical analog inputs, an optical SPDIF input (Toslink) is available.

The **DL-A 2.4 DSC AIArray DANTE** model is also equipped with a DANTE interface.



DL-A 2.4 DSC AIArray

Active displayspeaker-pair with integrated subwoofers and adjustable dispersion characteristic are ideal for high quality reproduction of speech and music, even in larger indoor spaces.



Installation

Use our DL-VESA brackets for direct display mounting. Alternatively you can use numerous attachment points are provided at the rear to facilitate mounting on a wall or on LED video walls.

Key Features

- Active stereo speaker pair with adjustable vertical beam direction ($\pm 30^{\circ}$)
- Analog and digital inputs. Optionally also DANTE
- Optimized speech intelligibility
- Integrated subwoofer
- 2×500 watts power capacity
- Automatic switch-on
- Customized speakers with height on measure for display heights from 1080 up to 2350 mm

Fields of Application

- Conference rooms
- Media rooms
- Stand-alone solutions
- Presentations
- Exhibitions, trade fairs
- Sales rooms

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Active Stereo Displayspeaker-Pair with Adjustable Vertical Beam Direction

Technical Data

Principle	Active DSP-Multichannel line array pair with adjustable vertical beam direction setting by using our LB AUDIO CONTROL Software. Left speaker with amplifier module, right speaker passive
Components	4 × 1" high-frequency line array + 4 × 2.5" midrange array + 8 × 2.5" woofers. Additional 8 × 2.5" passive radiators at a height over 2000 mm (per side).
Frequency range	48...20.000 Hz
Amplifier Power	2 × 500 watts
Maximum SPL	max. 118 dB (1W/1m)
Nominal dispersion (H × V)	140° × 40° (H × V), vertical adjustable via LB AUDIO CONTROL Software
Connectors	Symmetrical line input Stereo with system terminals, optical SPDIF input (Toslink), Network socket for DSP control, 16-pin socket for connecting the passive loudspeaker, 24V DC socket for external power supply, Optional 2nd network socket for DANTE
Dante®	
Connection passive speaker	16-pin connection cable with plugs on both sides, length 5 m
Input sensitivity	+4 dB sym., input impedance 10 kOhm
Controls	LED Sleep/On, DIP-switch for Ground Lift and different Automatic-On modes
Automatic switch-on	Switch-Off with approx. 10 min. delay
DSP	10 fully parametric filters per input, filter types: Bell, High Shelf, Low Shelf, High pass, Lowpass. Delay up to 500 ms., limiter and compressor per input, 40 presets. Configuration and control via LB CONTROL app. Download from our website: www.lb-lautsprecher.de/Download-Software
Power supply	Extern power supply 24 VDC, 20 VA
Mains connection	90 – 240 VAC
Dimensions (W × H × D)	80 × 1080 × 103 mm (per speaker)
Weight	14 kg (pair)
Cabinet	Aluminium, front precision steel grille, powder coated
Fastening points	Threaded inserts 812 × M 8 at back (per speaker)
Warranty	5 years



Customized versions: Individual display speakers from 2400 mm up to 4000 mm height

Model	Order-No.	Version
DL-A 2.4 DSC AIArray	1133-000	Standard, height 1080 mm, RAL 9005, pair
DL-A 2.4 DSC AIArray DANTE	1133-006	Standard, height 1080 mm, RAL 9005, pair
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Customized versions		
DL-A 2.4 DSC-1600	1133-0002	Height on measure, 1080 – 1600 mm, black
DL-A 2.4 DSC-1600 DANTE	1133-0007	Height on measure, 1080 – 1600 mm, black
DL-A 2.4 DSC-2000	1133-0003	Height on measure, 1600 – 2000 mm, black
DL-A 2.4 DSC-2000 DANTE	1133-0008	Height on measure, 1600 – 2000 mm, black
DL-A 2.4 DSC-2350	1133-0004	Height on measure, 2000 – 2350 mm, black
DL-A 2.4 DSC-2350 DANTE	1133-0009	Height on measure, 2000 – 2350 mm, black
.....		
Fee DL	1113-0005	Customized version fee DL (one-time charge per display type and order)

Accessories	Order-No.	Version
VESA mounts for display speakers		
DL-VESA 2150	7111-0010	Display width 1900 – 2150 mm
DL-VESA 2400	7111-0011	Display width 2150 – 2400 mm

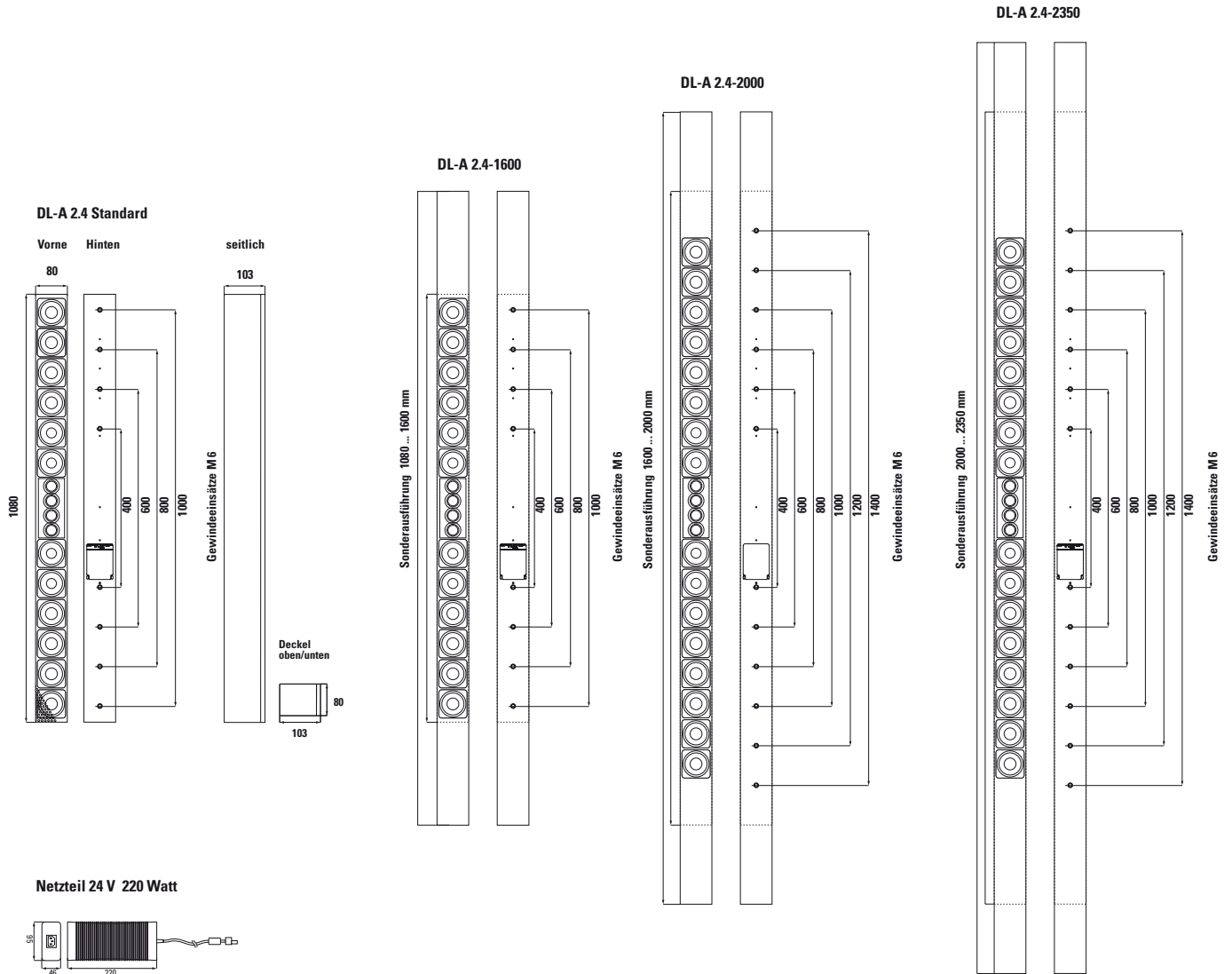
Wall-mounts for Display Speakers

SH 50 Wall-mounts		7110-0004	Pivotable (2 pieces per speaker pair)
WH 80 Wall-mounts		7111-0013	Adjustable to a distance of 35 to 110 mm from the wall, pair (two pairs required per speaker)

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Dimensions



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Dimensions VESA Mounts

DL-VESA Mounts

(comprises 2 x T-bracket L, 2 x T-Bracket R, 4 x L-Bracket, 4 x Extension Plate + Screws)

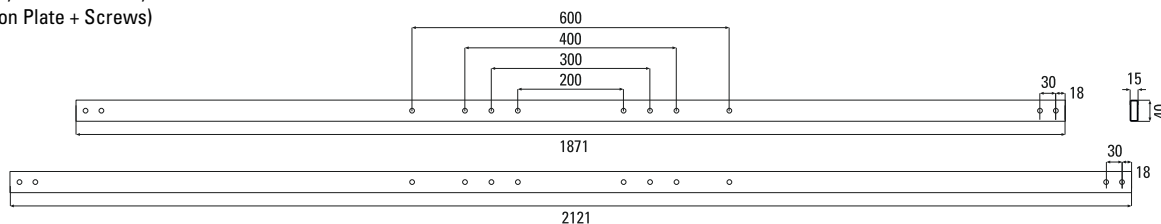
DL-VESA 2150

Range 1900 ... 2150 mm

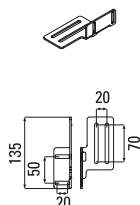
DL-VESA 2150

Range 2150 ... 2400 mm

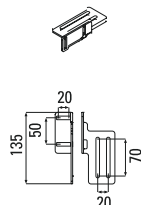
DL-VESA Carriers



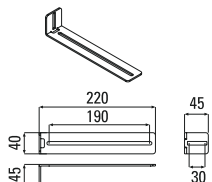
DL-VESA T-Bracket L



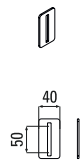
DL-VESA T-Bracket R



DL-VESA L-Bracket

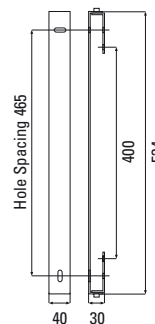


DL-VESA Extension



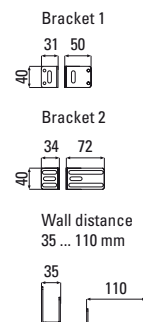
SH 50

Wallmount (+/- 45°)

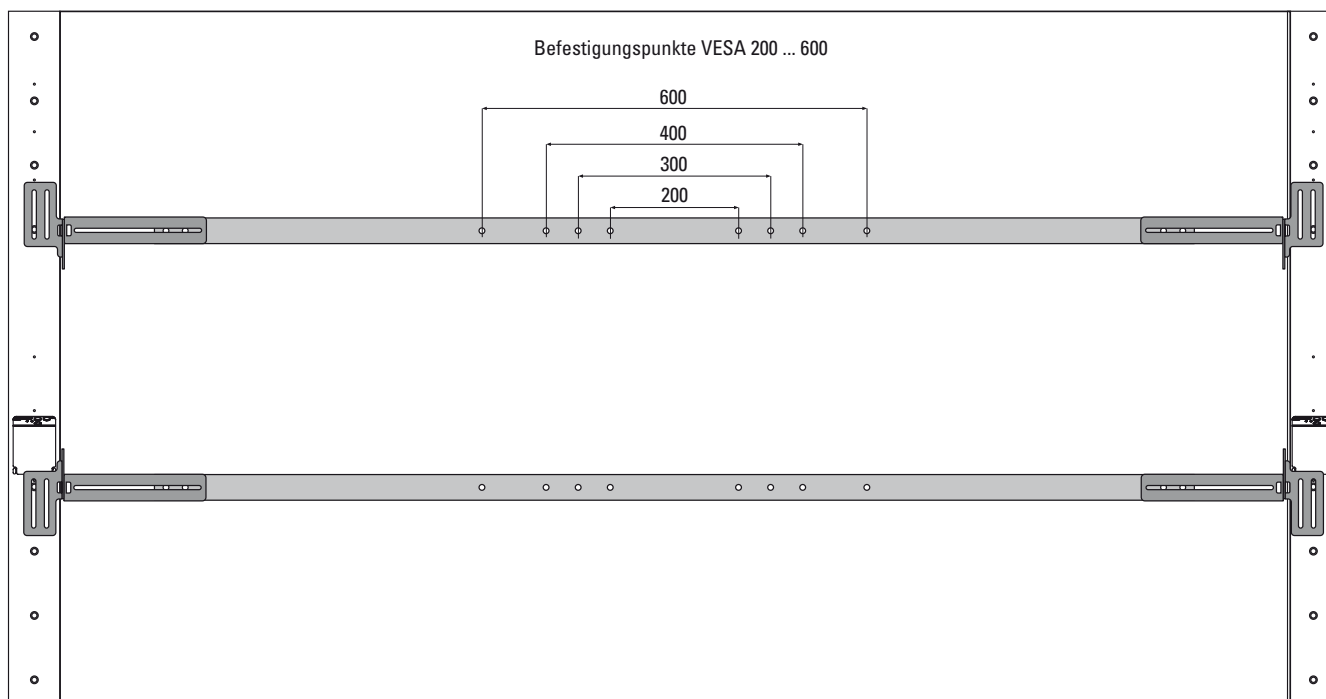


WH 80

Wallmount (35 ... 110 mm)



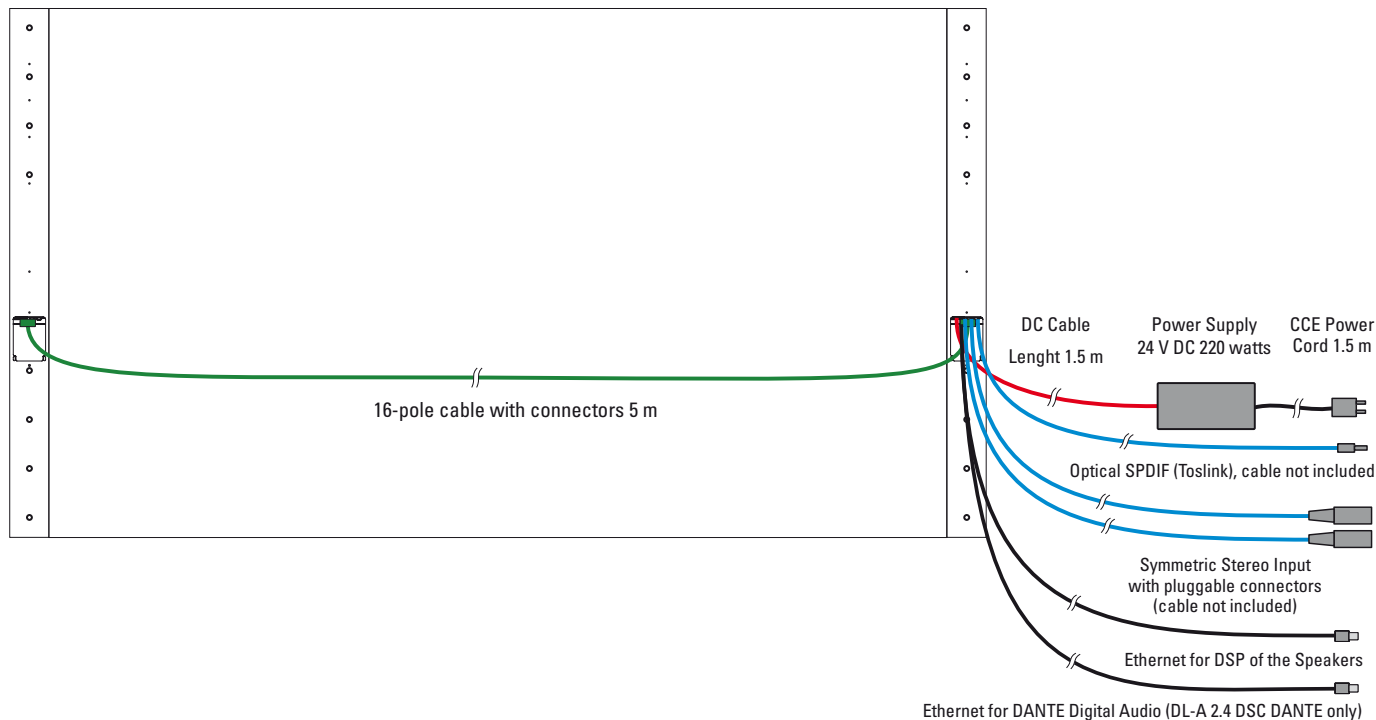
Mounting on Display



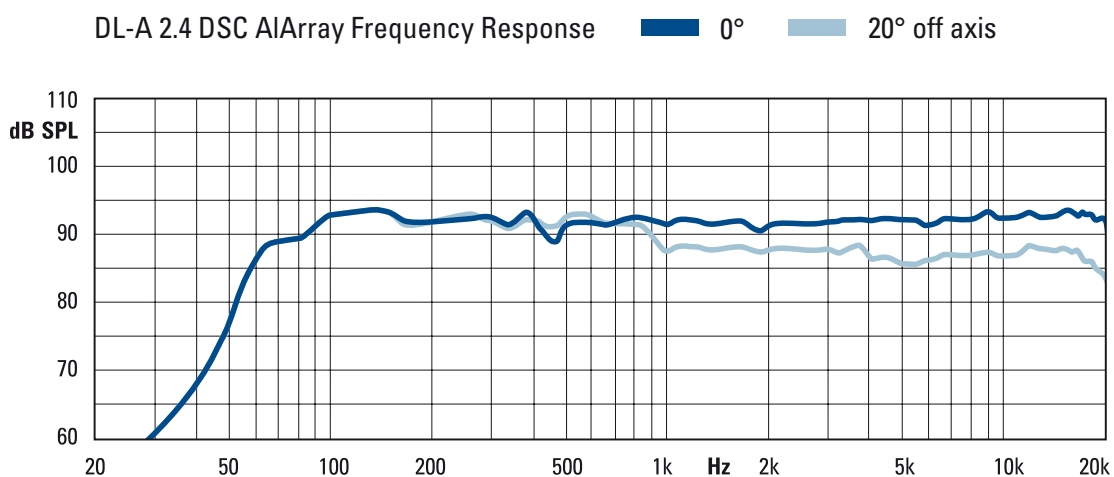
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Speaker Connection



Measuring Diagram



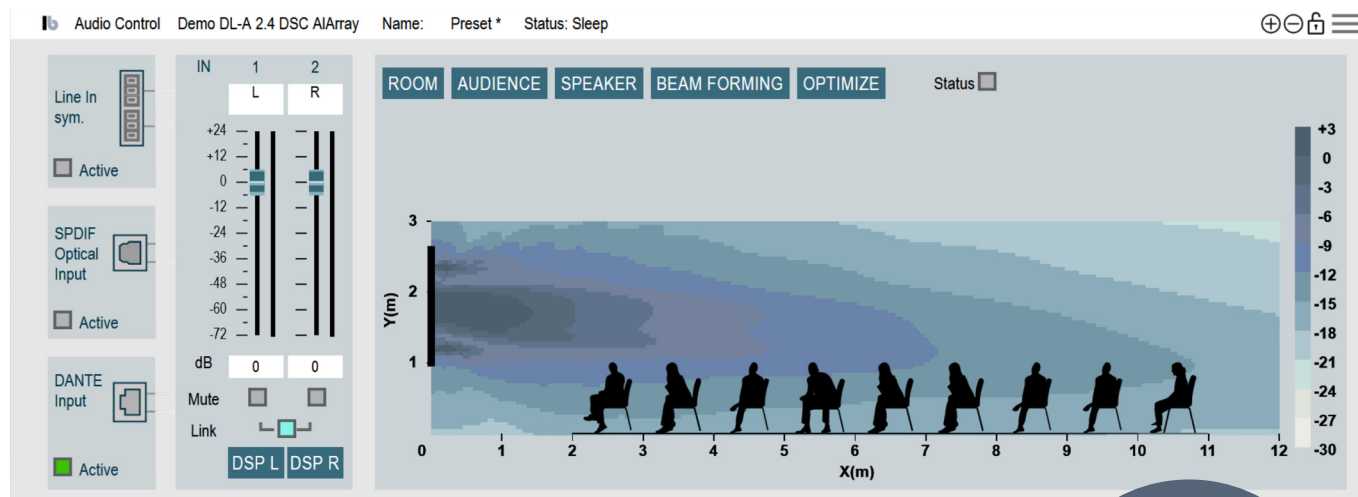
Saving project-related presets:

After setting and calibrating the speakers on site with appropriate changes in the input-section the project-related presets can be saved.

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LB CONTROL App



The DL-A 2.4 DSC are programmed via Ethernet. Our browser-based **LB CONTROL App** must be installed. (Download from our website).
 With the LB CONTROL App, the vertical beam direction can be set.
 In addition to setting the beam direction, the DSP also offers the usual setting options such as parametric EQs, delays, compressors and limiters.

LB CONTROL APP
 Browser-based Software
 Interface: Ethernet
 Windows + Mac OS
 Download:
www.lb-lautsprecher.de



LB CONTROL App
 Download Software