

DL-A 2.4 DSC AIArray 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 AUDIO CONTROL Software, the vertical dispersion direction can be selected and saved in 1° up to 3° increments within a range of -30° to +30°.

The 3-way 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 × 1" high frequency drivers and 4 × 2,5" mid-range chassis ensures a constant dispersion direction of 140° × 40° (H × 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.



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.



ai:array[®]
adapted line array

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

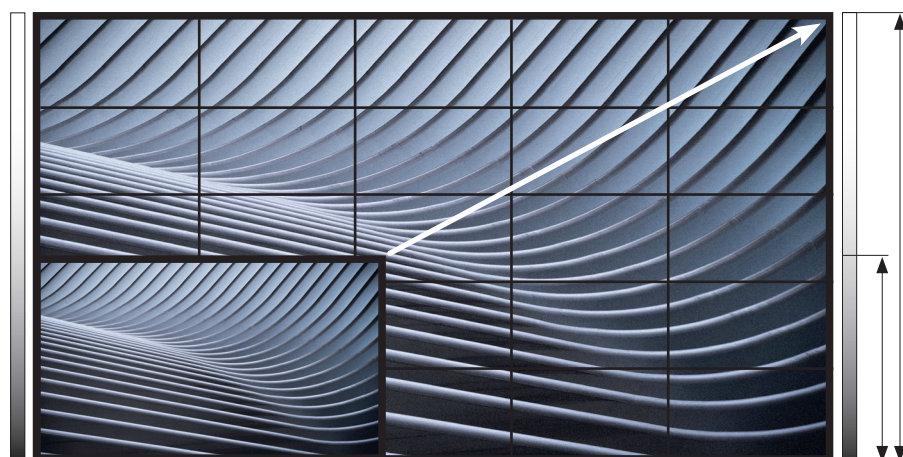
- Active stereo 2-way speaker pair with beam steering
- Easy select the verticale beam direction via presets
- Very linear frequency range
- Optimized speech intelligibility
- Integrated subwoofer
- 2 × 500 watts power capacity
- Automatic switch-on
- Customized speakers with height on measure for display heights from 1080 up to 2350 mm

Fields of Application

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

DL-A 2.4 DSC AIArray

Active Stereo Displayspeaker-Pair with Adjustable Vertical Beam Direction



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

Technical Data

| | |
|-----------------------------|---|
| Principle | Active DSP-Multichannel line array pair with adjustable vertical beam direction setting by using our DSC Control software. Left speaker with amplifier module, speaker passive right side |
| 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 our Control software |
| Connectors per side | Symmetrical stereo input, stereo cinch input, RJ 45 Ethernet, pluggable screwtype terminals to passive speaker and external power supply, input minijack 3.5 mm to cinch, 1.5m |
| Connection subwoofer module | 12-pole connection cable with screwtype terminals, length 6 m |
| Input sensitivity | +4 dB sym., -6 dBU cinch, 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. 5 min. delay |
| Power supply | External power supply 24 VDC, 280 VA (per side) |
| Mains connection | 90 – 240 VAC |
| Dimensions (B × H × T) | 80 × 1080 × 103 mm (per speaker) |
| Weight | 14 kg (pair) |
| Cabinet | Aluminium, front precision steel grille, powder coated |
| Fastening points | Threaded inserts 8 – 12 × M 8 at back (per speaker) |
| Warranty | 5 years |


| Model | Order-No. | Version |
|-------|-----------|---------|
|-------|-----------|---------|

| | | |
|------------------------|----------|--|
| 2.4 DSC AIArray | 1133-000 | Standard, height 1080 mm, RAL 9005, pair |
|------------------------|----------|--|

Sonderausführungen passend zur Displayhöhe

| | | |
|--------------------------|-----------|--|
| DL-A 2.4 DSC-1600 | 1133-0002 | 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-2350 | 1133-0004 | 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 1150 | 7111-0006 | 900 – 1150 mm display width |
| DL-VESA 1400 | 7111-0007 | 1150 – 1400 mm display width |
| DL-VESA 1650 | 7111-0008 | 1400 – 1650 mm display width |
| DL-VESA 1900 | 7111-0009 | 1650 – 1900 mm display width |
| DL-VESA 2150 | 7111-0010 | 1900 – 2150 mm display width |
| DL-VESA 2400 | 7111-0011 | 2150 – 2400 mm display width |

Wall-mounts for Display Speakers

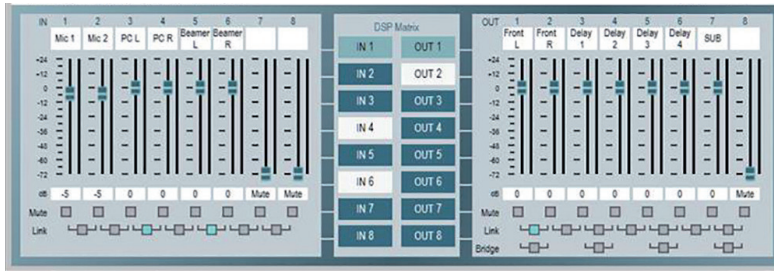
| | | |
|-------------------------|-----------|---|
| SH 50 wall mount | 7110-0004 | Pivotable (2 pieces per speaker pair) |
| WH 80 wall mount | 7111-0013 | Adjustable to a distance of 35 to 110 mm from the wall, pair (two pairs required per speaker) |

LB AUDIO CONTROL Software

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

DL-A 2.4 DSC AIArray

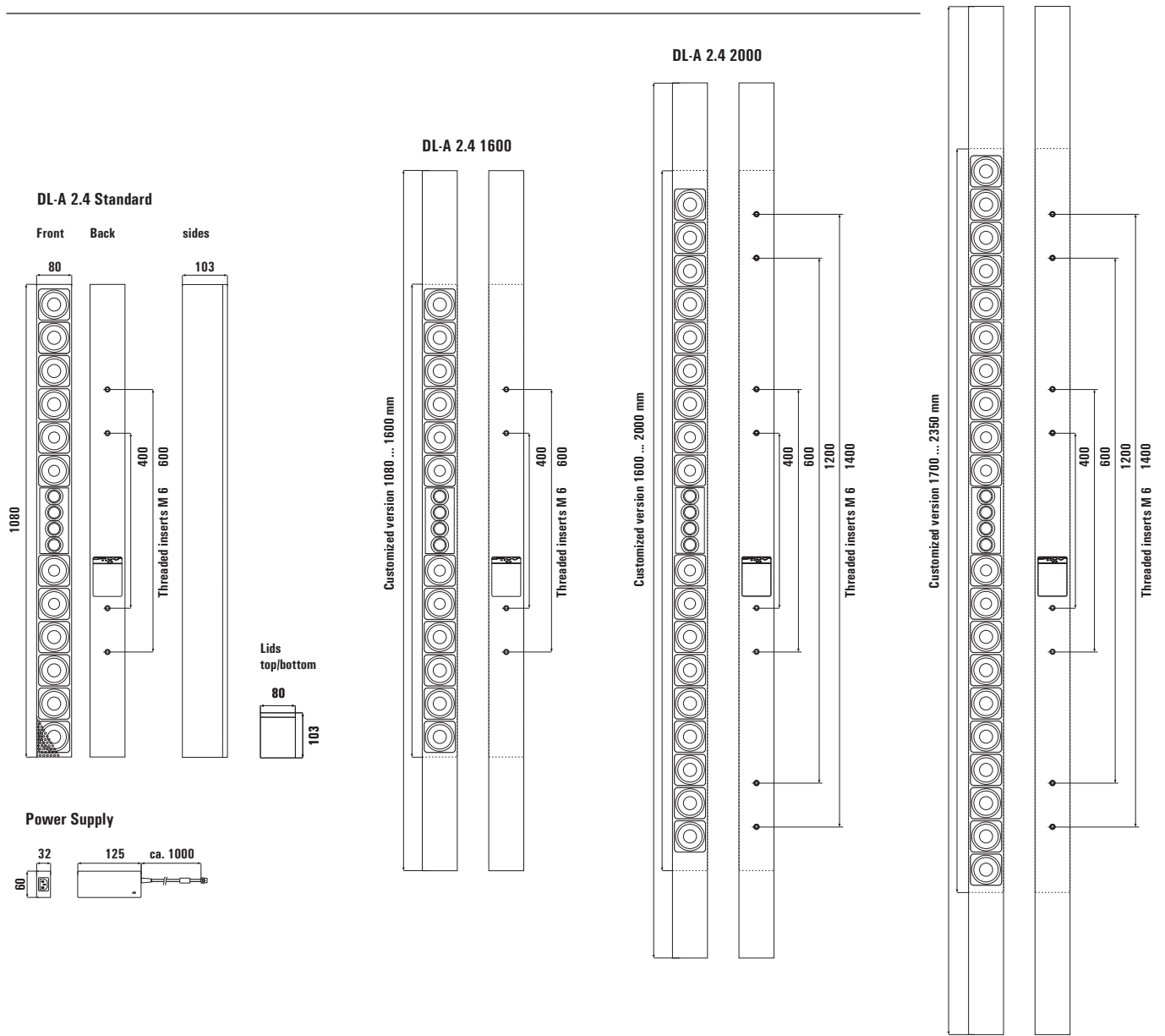
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LB AUDIO CONTROL
 Browser-based Software for our new DSPs
 Interface: Ethernet
 Download
www.lb-lautsprecher.de

The vertical beam direction of the DSP controlled line arrays is set by selecting the corresponding preset in our newly developed **LB AUDIO CONTROL Software** in 1° up to 3° increments within a range of +/- 30°.
 Interface: Ethernet – Operating system: Windows
 Download from our website: www.lb-lautsprecher.de/en/Download-Software

Dimensions



DL-A 2.4 DSC AIArray

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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)

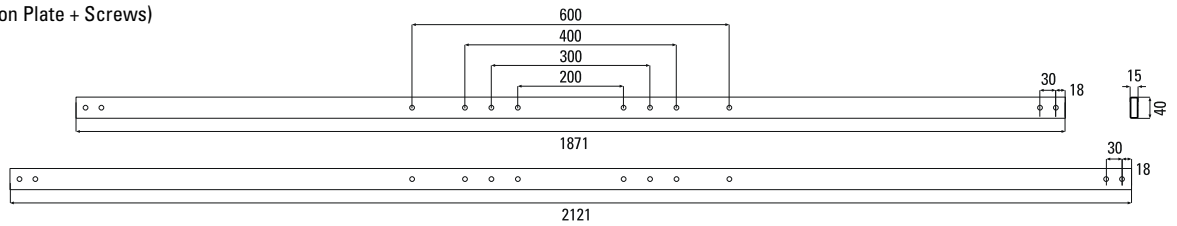
DL-VESA 2150

Range 1900 ... 2150 mm

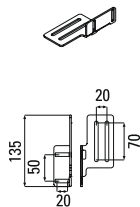
DL-VESA 2150

Range 2150 ... 2400 mm

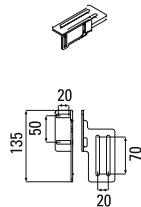
DL-VESA Carriers



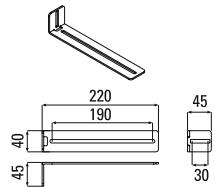
DL-VESA T-Bracket L



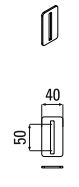
DL-VESA T-Bracket R



DL-VESA L-Bracket

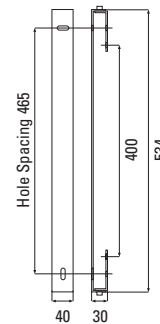


DL-VESA Extension



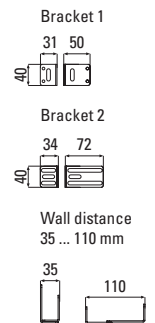
SH 50

Wallmount (+/- 45°)

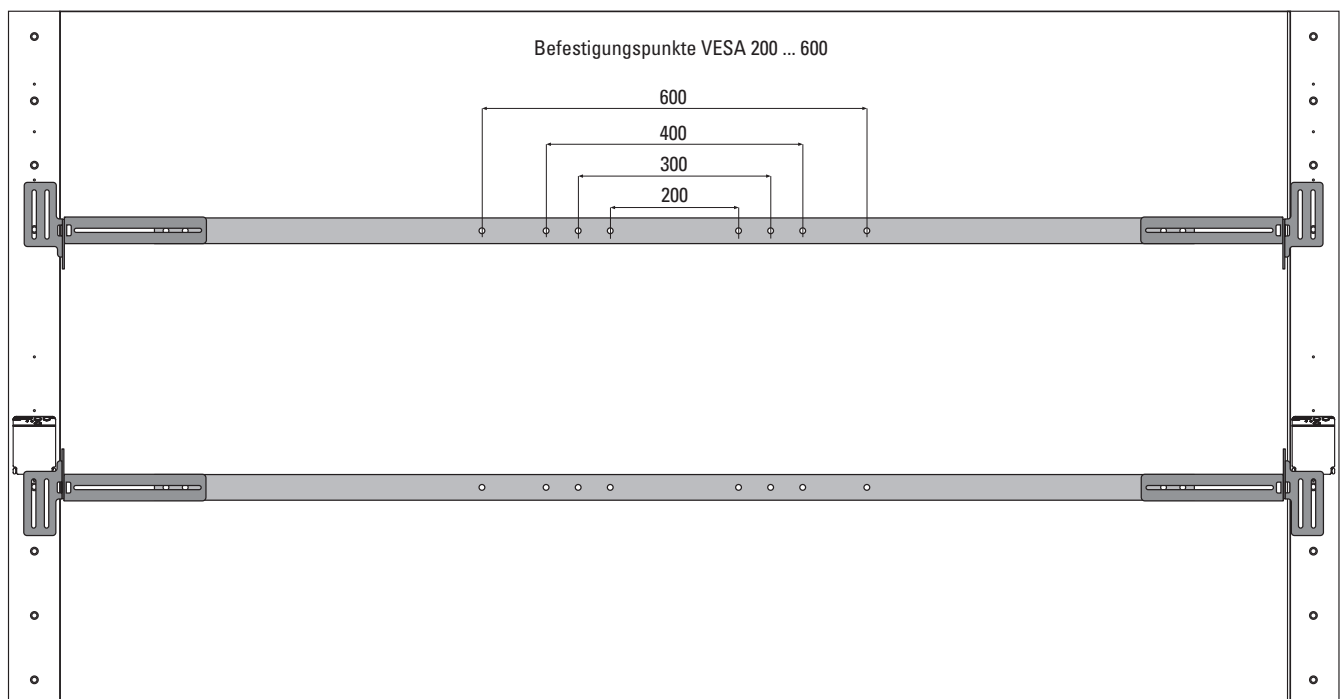


WH 80

Wallmount (35 ... 110 mm)



Mounting on Display

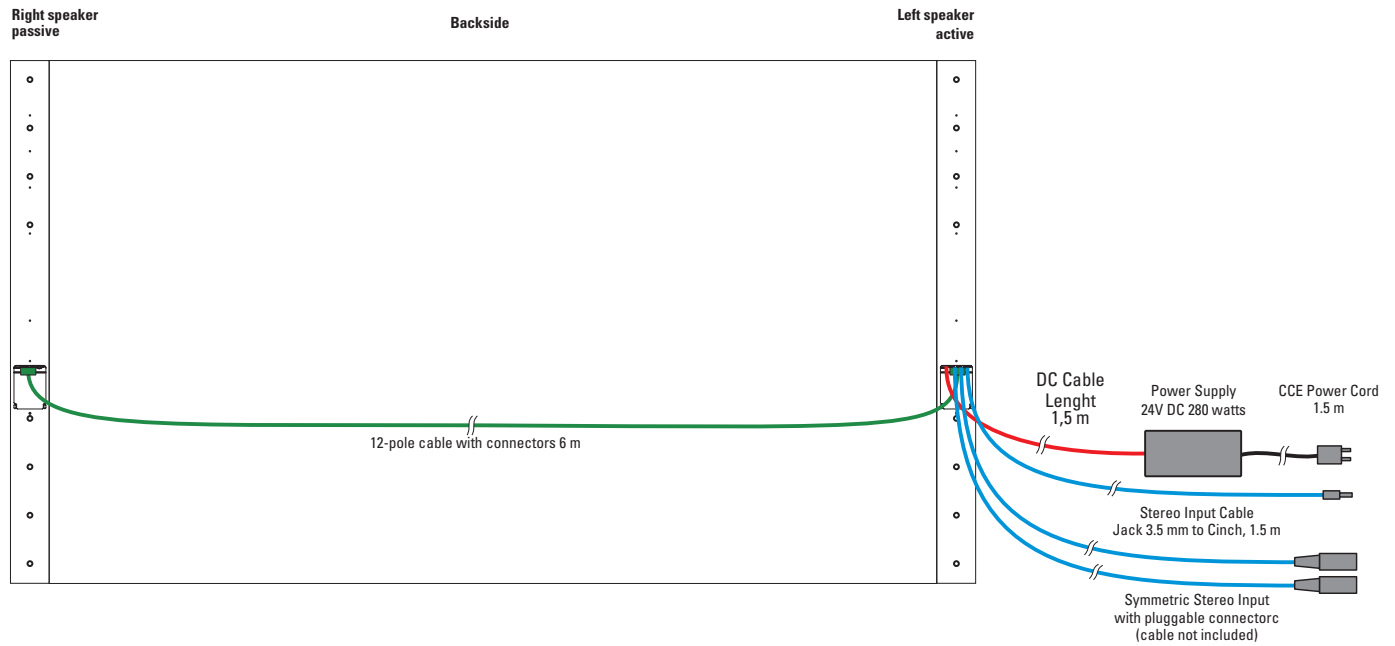


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Speaker Connection

DL-A 2.4 DSC AIArray Speaker Connection



Measuring Diagram

