



# Operation Manual

## Display Speakers and Soundbars with DSP and DANTE



display series

display CAM series

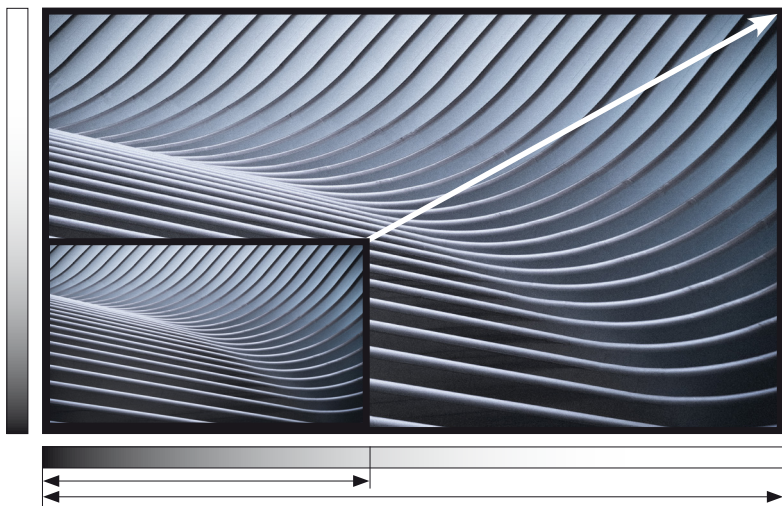
**LB  
CONTROL  
APP**

Interface: Ethernet  
Windows + Mac OS

pure listening 

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**Special designs with custom dimensions**

We manufacture special designs of our display speakers and soundbars to fit the respective display model. Thanks to the precise fit, the display and speakers become a single visual unit.

Custom display speakers ranging from 700 mm to 1600 mm in height

Custom soundbars ranging from 960 mm to 2600 mm in width

# 1. General safety instructions

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Please read the following instructions and this manual carefully before starting operation and observe them strictly!



High voltages may be present on components inside the device, which can cause life-threatening electric shocks if touched.



### CAUTION!

Service and repairs may only be carried out by qualified personnel. Do not open the housing, as there is a risk of electric shock. There are no controls or components inside the device that require the housing to be opened. If the housing is opened by qualified personnel, the device must first be completely disconnected from the mains power supply. If the housing is to be opened by qualified personnel, the device must first be completely disconnected from the mains voltage.

THIS UNIT MUST  
BE EARTHED!

The device is connected to the mains using the power cord supplied. A damaged connection cable must not be repaired. The device must be earthed! Never insulate the protective contact of the mains plug.

The mains fuse is located inside the device. The mains fuse may only be replaced with a replacement fuse of the same rating. Under no circumstances should the mains fuse be bypassed or replaced with a higher value fuse.

The operating voltage must correspond to the local mains voltage.



Protect the device from moisture and wetness. The device must not be operated in the rain, near water, bathtubs, washbasins, kitchen sinks, swimming pools, or in damp rooms. Do not place any objects filled with liquid, such as vases, glasses, bottles, etc., on the device.

Avoid direct sunlight and the immediate vicinity of radiators, heaters, or similar devices. If the device is suddenly moved from a cold to a warm location, condensation may form inside the device. Wait until the device has reached room temperature before switching it on.

To protect the device during thunderstorms or when it is not being used or supervised for long periods of time, the power plug should be disconnected. This prevents damage to the device due to lightning strikes and power surges in the mains supply. The housing may become hot during operation and should therefore not be touched. Ensure adequate ventilation of the device.

### Improper use will void the warranty!

In particular, LB is not liable for lost profits or other financial losses incurred by the purchaser. This limitation also applies to the personal liability of employees, representatives, and vicarious agents.

This product complies with the requirements of European Directives 2002/96/EC (WEEE) and 2002/95/EC (RoHS).

## 2. Connection and settings of the speaker systems

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### 1. Network connection for configuration and control:

Connect the DSP Ethernet socket to the network or PC that will be used to control the speakers. They are configured using our LB CONTROL app and controlled and monitored via network commands.

Download and instructions for the LB CONTROL app at [HYPERLINK: https://www.lb-lautsprecher.de/de/lb-control-app](https://www.lb-lautsprecher.de/de/lb-control-app)

### 2. Inputs:

The DL-A DSC and SB-A DSC models are equipped with analog stereo inputs (system terminals, balanced and Cinch) and an optical SPDIF input (Toslink), while the DL-A/SB-A DSC (DANTE) versions also feature a DANTE interface. The inputs can be switched using the LB CONTROL app or network commands.

### 3. Connection options

- Connect the headphone output of the display or player to the RCA input of the active speaker. The connection cable is included.
- Connect the optical Toslink output of the display to the Toslink input of the active speaker. The volume of the Toslink output of the display may not be adjustable. The volume must then be controlled on the speaker via network commands.
- Connection to the player or PC via DANTE (only for DSC DANTE models). The DANTE Controller software is required for this.

### 4. Connection of the passive speaker (right) for display speakers:

The passive speaker (right) is plugged into the 4-pin speaker socket on the connection terminal. With DL-A 2.0 DSC, the speaker cable is permanently connected to the passive speaker. With DL-A 2.2 DSC, connect the active and passive speakers using the supplied 4-pin speaker cable (with 4-pin plugs on both ends).

### 5. Connecting the power supply:

Plug the supplied power supply unit into the green power supply socket on the active speaker and connect it to the mains using the IEC cable. SB-A 2.0 DSC and DL-A 2.0 DSC require a power supply unit with 24VDC and 40 watts continuous power. SB-A 2.2 DSC and DL-A 2.2 DSC require a power supply unit with 24VDC and 90 watts of continuous power.

### 6. Ground Lift:

The speakers have a DIP switch in the connection terminal that can be used to ground the input (GROUND/LIFT). If the player is grounded, the speaker input should not be grounded (LIFT). If the player is not grounded, the speaker input should be grounded (GROUND). Incorrect grounding will result in humming or interference noises.

### 7. Automatic switch-on:

The speakers have a DIP switch in the connection terminal that can be used to switch between AUTO ON and STEADY ON. The default setting is AUTO ON, which means that the speakers switch on automatically as soon as an audio signal is present at the input and switch to sleep mode if no signal is present for more than 10 minutes. If the minimum delay when switching back on (<1 sec.) is disruptive, the DIP switch can be set to STEADY ON. The speakers will then remain active.

### 8. LED status indicator:

The LED in the connection terminal indicates three operating states: Standby = red, Sleep = yellow, Green = Active.

The same status is also displayed in the LB CONTROL app.



Connection terminal  
DL-A 2.0 DSC

### 3. LB CONTROL App

The LB CONTROL app is available for download on our website. Versions are available for Windows and Mac OS. Follow the installation steps during the installation process.

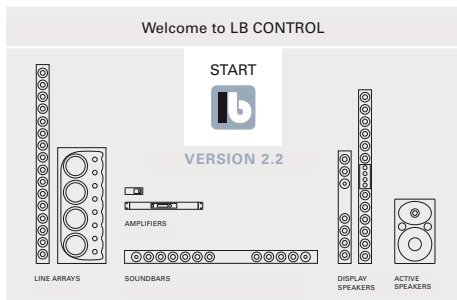
The icon for running the app will be installed on your desktop.



LB Control



When you open the app, the following window opens in your browser:



If the new START field for version 2.2 does not appear when installing over an older version of LB CONTROL, please refresh the browser cache using the following key combination:

Firefox: [CTRL] + [F5]  
 Chrome / Edge: [SHIFT] + [F5]

Firefox / Chrome / Edge (Mac): ⌘ + SHIFT + r  
 Safari (Mac): ⌘ + ⌘ + R

Then click on START and perform a refresh in the overview window using the same key combination. The new version will then be available the next time you open it.

### OVERVIEW Window

When you start the LB CONTROL app, the OVERVIEW window opens. This displays all LB devices detected on the network. Virtual demo devices can also be added via the menu.

Power	Device Name	Model	DHCP	IP Address	MAC Address			
<input type="checkbox"/>		Demo PA-S Series	<input checked="" type="checkbox"/>	6	6	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo PA Series	<input checked="" type="checkbox"/>	5	5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>		Demo DL-A 2.0 DSC	<input checked="" type="checkbox"/>	7	7	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo SB-A 2.2 DSC	<input checked="" type="checkbox"/>	9	9	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo DL-A 2.4 DSC AIArray	<input checked="" type="checkbox"/>	0	0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo DLX-A 2.8 DSC AIA...	<input checked="" type="checkbox"/>	3	3	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo ZL-A 100 DSC AIAr...	<input checked="" type="checkbox"/>	8	8	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo ZL-A 125 DSC AIAr...	<input checked="" type="checkbox"/>	1	1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo ZL-A 200 DSC AIAr...	<input checked="" type="checkbox"/>	2	2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>		Demo ZL-A 250 DSC AIAr...	<input checked="" type="checkbox"/>	4	4	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

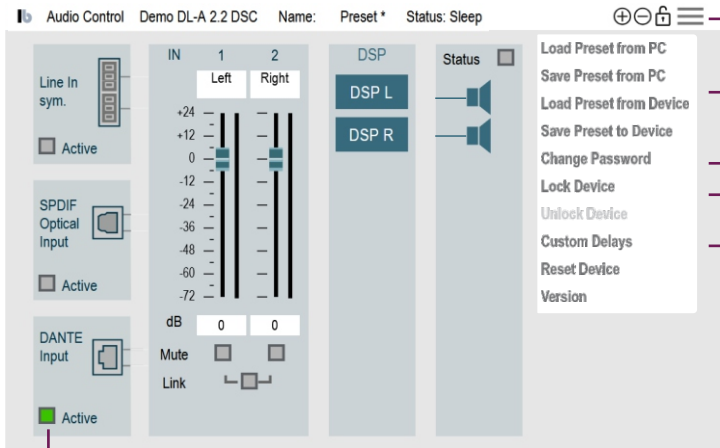
Annotations:

- Zoom, also with [Ctrl] + [+] / [-]
- Menu
- Firmware Update
- Caution!** Settings and presets may be lost during the firmware update. Before updating the firmware, please save presets to your PC. After the firmware update, the presets can be reloaded.
- Remove Device
- Open Device (DEVICE Window)
- Save settings (Device name and IP address + DHCP)
- If necessary, fixed IP addresses can be assigned; in this case, DHCP must be disabled.
- DHCP (automatic IP address retrieval from the DHCP server in the network)
- Assign device names
- Devices On/Off
- By selecting the corresponding row, the devices can be moved in the list using the arrow keys ▲ / ▼

### Open DEVICE Window

Click to open the device window of one of the devices.

# DEVICE Window: Menu settings



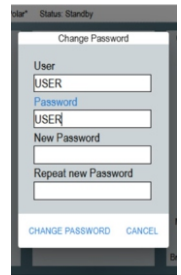
Menu

Presets can be loaded from the device or from the PC. Presets can also be saved on the device or the PC.

**Changing passwords:** Factory-set passwords are assigned for USER and ADMIN. These should be replaced with project-specific passwords and documented. Presets can also be saved on the device or PC.

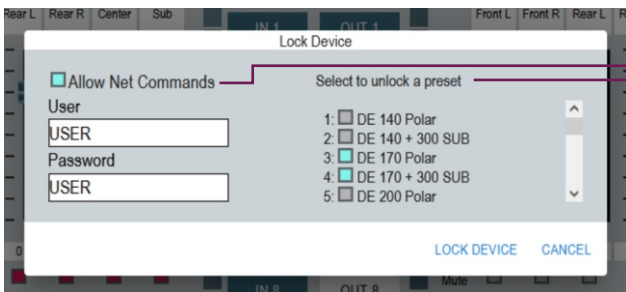
Lock functions

Resets the device to factory settings



Switching inputs. The Active buttons are used to switch inputs. The DANTE input is only available on DANTE versions.

## Lock functions



Network commands can be allowed even for locked devices if necessary. This allows control via media controllers even on locked devices.

Individual presets can be allowed even for locked devices if necessary. This allows the user to switch between different operating states.

## Lock levels

Two user levels are available for all devices: USER and ADMIN. The ADMIN user level has priority over the USER level, meaning a device locked at the USER level can be unlocked by the ADMIN user, but not vice versa. The factory passwords „USER“ and „ADMIN“ should be replaced with project-specific passwords and documented.

## DSP settings in the Input window

Click **DSP** in the Device window to open the Input window with the DSP functions.



Input Gain + Level Meter

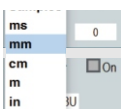
Parametric filters: 10 filters are available for each channel

Filter Type	Freq
Bell	1000
Low Pass	2000
High Pass	4000
Low Pass 6dB	8000
High Pass 6dB	16000
Low Shelf	
High Shelf	
Bell	1000
Notch	

High-pass and low-pass filters per channel

6dB	
Butterworth 12dB	
Butterworth 24dB	
Bessel 12dB	
Bessel 24dB	
Linkwitz-Riley 12dB	
Linkwitz-Riley 24dB	

Delay Depends on device type



Limiter per channel

Compressor per channel

## LB CONTROL Network Commands

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### Network commands for changing device settings

Successful modification of DSP parameters via network commands is responded to with the HTTP status code "200 OK". Alternatively, 'cmds' can be replaced by "smds" in the network command. The overall status (see below <DSC IP>/status) is then returned as a response.

Function	URL	Examples URLs
MUTE	<DSC IP>/cmds/mute/<CH>/<i/o>	Mute input 1: <a href="http://192.168.0.100/cmds/mute/1/i">http://192.168.0.100/cmds/mute/1/i</a>
UNMUTE	<DSC IP>/cmds/unmute/<CH>/<i/o>	Unmute input 2: <a href="http://192.168.0.100/cmds/unmute/2/i">http://192.168.0.100/cmds/unmute/2/i</a>
GAIN	<DSC IP>/cmds/gain/<CH>/<i/o>/<value>	Gain input 1 auf -4,8 dB: <a href="http://192.168.0.100/cmds/gain/1/i/-4.8">http://192.168.0.100/cmds/gain/1/i/-4.8</a>
MIXER	<DSC IP>/cmds/mixer/<CH OUT>/o/<CH IN>/<value>	Mixer Output 3, Input 7 auf -6 dB <a href="http://192.168.0.100/cmds/mixer/3/o/7/-6">http://192.168.0.100/cmds/mixer/3/o/7/-6</a>
PRESET	<DSC IP>/cmds/preset/<num>	Select preset 10: <a href="http://192.168.0.100/cmds/preset/10">http://192.168.0.100/cmds/preset/10</a>
PRESET LOCK	<DSC IP>/cmds/preset/<num>/lock/<true/false>	Unlock (allow) Preset 2 <a href="http://192.168.0.100/cmds/preset/2/lock/false">http://192.168.0.100/cmds/preset/2/lock/false</a>
POWER	<DSC IP>/cmds/power/<on/off>	Switch device on/off <a href="http://192.168.0.100/cmds/power/on">http://192.168.0.100/cmds/power/on</a> <a href="http://192.168.0.100/cmds/power/off">http://192.168.0.100/cmds/power/off</a>

### Network commands for status queries

All devices output status information in JSON format. Only the available channels are listed.

Function	URL	Examples URLs
STATUS	<DSC IP>/status <a href="http://192.168.0.100/status">http://192.168.0.100/status</a>	Get overall status (power, preset, gain, mute, mixer)

Example JSON response:

```
{ „power“: „sleep“, „preset“: 1, „channels“: [
{ „channel“: 1, „type“: „i“, „gain“: -12.0, „muted“: true},
{ „channel“: 2, „type“: „i“, „gain“: -12.0, „muted“: true},
...]}
```

Function	URL	Examples URLs
STATUS CH	<DSC IP>/status/<CH>/<i/o>	Get status of input channel 1 (gain, mute) <a href="http://192.168.0.100/status/1/i">http://192.168.0.100/status/1/i</a>

Example JSON response:

```
{ „channel“: 1, „type“: „i“, „gain“: -3.0, „muted“: false}
```

Function	URL	Examples URLs
LEVELS	<DSC IP>/levels	Read out all levels and gain reductions (limit) <a href="http://192.168.0.100/levels">http://192.168.0.100/levels</a>
Example JSON response:		
<pre>{ „channels“: [ { „channel“: 1, „type“: „i“, „level“: 4.0, „limit“: -3.2 }, { „channel“: 2, „type“: „i“, „level“: 4.0, „limit“: -1.6 }, ...}]</pre>		

Function	URL	Examples URLs
LEVELS CH	<DSC IP>/levels/<CH>/<i/o>	Channel read out level and gain reduction of input 2 (limit) <a href="http://192.168.0.100/levels/2/i">http://192.168.0.100/levels/2/i</a>
Example JSON response:		
<pre>{ „channel“: 2, „type“: „i“, „level“: 4.0, „limit“: -1.6 }</pre>		

Function	URL	Examples URLs
LOCK STATUS	<DSC IP>/lockstatus	Read out locking status (true for locked) <a href="http://192.168.0.100/lockstatus">http://192.168.0.100/lockstatus</a>
Example JSON response:		
<pre>{ „Device“: true, „network commands“: true, „presets“: { „0“: true, „1“: false, „2“: false, „3“: true, „4“: true, ...}}</pre>		

Function	URL	Examples URLs
INFO	<DSC IP>/info	Read out global device info <a href="http://192.168.0.100/info">http://192.168.0.100/info</a>
Example JSON response:		
<pre>{ „Name“: „DL-A 2.4 DSC“, „Device“: „DL-A 2.4“, „PCB“: „C416 v02“, „MAC“: „44-6F-D8-43-00-23“, „Version“: { „BL“: „1.2.12“, „MCU“: „2.1.0“, „DSP“: „2.1.5“}, „preset“: { „num“: 0, „name“: „DL-A 2.4: 0°“, „changed“: true}, „Power“: „on“, „Runtime [h]“: „0:00:05“, „Bootmode“: „BL“ }</pre>		

## 4. Technical Data Display Speakers


### 4.1 DL-A 2.0 DSC (DANTE) Active stereo display speaker pair with DSP

#### Key Features


- Active stereo speaker pair with DSP
- Very linear frequency range
- Optimized speech intelligibility
- Control via LB CONTROL App and Network commands
- Analog and digital inputs
- Optional DANTE interface
- 2 × 50 watts power capacity
- Automatic switch-on
- Switchable Ground-Lift
- Customized versions with height on measure for display height from 700 up to 1600 mm
- VESA mounts for display width up to 2600 mm



#### Technical Data



Principle	Active stereo speaker pair with class-D amplifiers and DSP. Left speaker with amplifier module, right speaker passive.
Components	2 × 2.5" full-range drivers + 2 × 2.5" woofers + 4 × 2.5" passive radiators
Frequency range	55 Hz – 20 kHz
Power capacity	2 × 50 watts
Maximum SPL	max. 109 dB (1 W/1m)
Nominal dispersion	120°
Connectors active speaker	Line In Stereo, symmetrical and Cinch, optical SPDIF input (Toslink), RJ45 Ethernet socket, pluggable system terminals for passive speaker and external power supply, mini jack input cable 3.5mm to Cinch, 1.5 m.
 Dante	The model DL-A 2.0 DSC DANTE also has an Ethernet socket for DANTE
Connectors passive speaker	2-pole connection cable, length 5 m
Input sensitivity	0 dBu for full modulation, Impedance 4.7 kohms
Operating controls (back)	LED Standby/Sleep/On/Limit, Ground-Lift Switch
Automatic switch-on	Switch-off with approx. 10 min. delay
Power supply	Extern power supply 24 VDC
Mains connection	90 – 240 VAC
Dimensions (W × H × D)	80 × 700 × 48 mm (per speaker)
Weight	5 kg (pair)
Cabinet	Aluminium, front precisions steel grille, powder-coated, black
Suspension points	Threaded inserts 2 × M 6 at rear (per speaker)
Warranty	5 years

Model	Order-No.	Version
DL-A 2.0 DSC	1113-0006	Standard version, 700 mm height, pair, black
DL-A 2.0 DSC DANTE	1113-0010	Standard version, 700 mm height, pair, black
<i>Customized version with height on measure</i>		
DL-A 2.0 DSC-900	1113-0007	Height on measure from 600 to 900 mm, black
DL-A 2.0 DSC-900 DANTE	1113-0011	Height on measure from 600 to 900 mm, black
DL-A 2.0 DSC-1200	1113-0008	Height on measure from 900 to 1200 mm, black
DL-A 2.0 DSC-1200 DANTE	1113-0012	Height on measure from 900 to 1200 mm, black
DL-A 2.0 DSC-1600	1113-0009	Height on measure from 1200 to 1600 mm, black
DL-A 2.0 DSC-1600 DANTE	1113-0013	Height on measure from 1200 to 1600 mm, black
Fee DL	1113-0005	Customized version fee DL (one-time charge per display type and order)

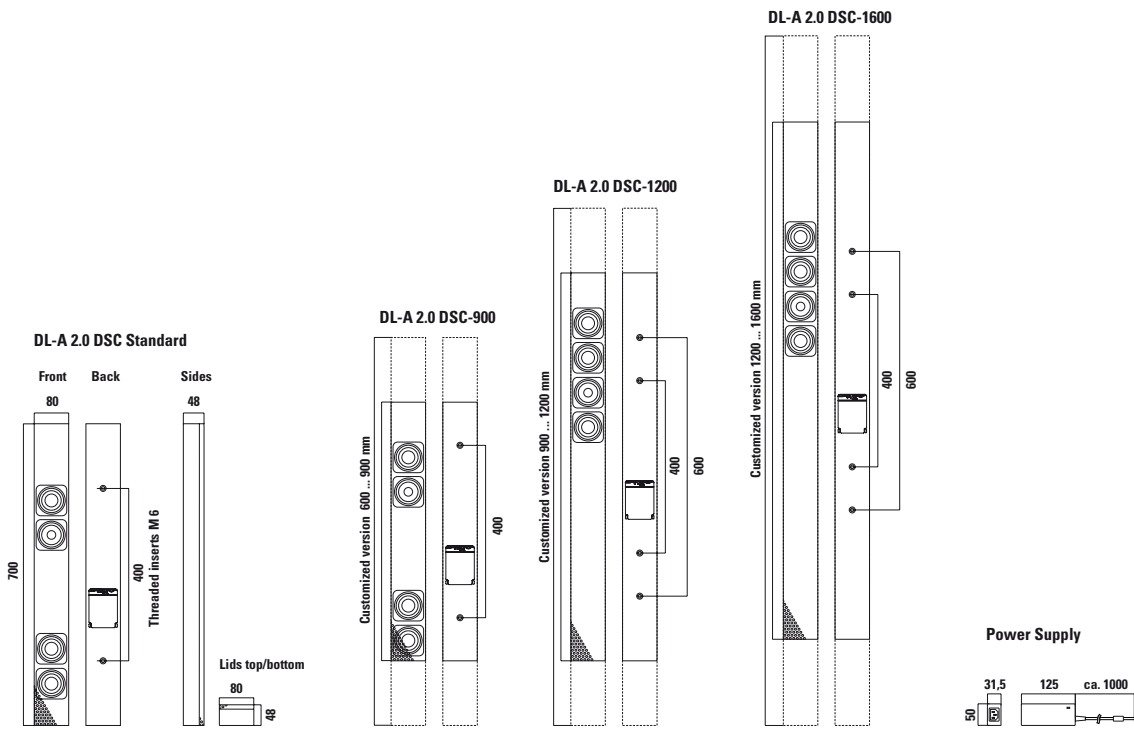
Accessories	Order-No.	Version
<b>VESA mounts for display speakers</b>		
		
DL-VESA 1700	7111-0022	1200 – 1700 mm display width
DL-VESA 2000	7111-0023	1550 – 2000 mm display width
DL-VESA 2300	7111-0024	1850 – 2300 mm display width
DL-VESA 2600	7111-0025	2150 – 2600 mm display width

#### Dual DL-VESA on page 13

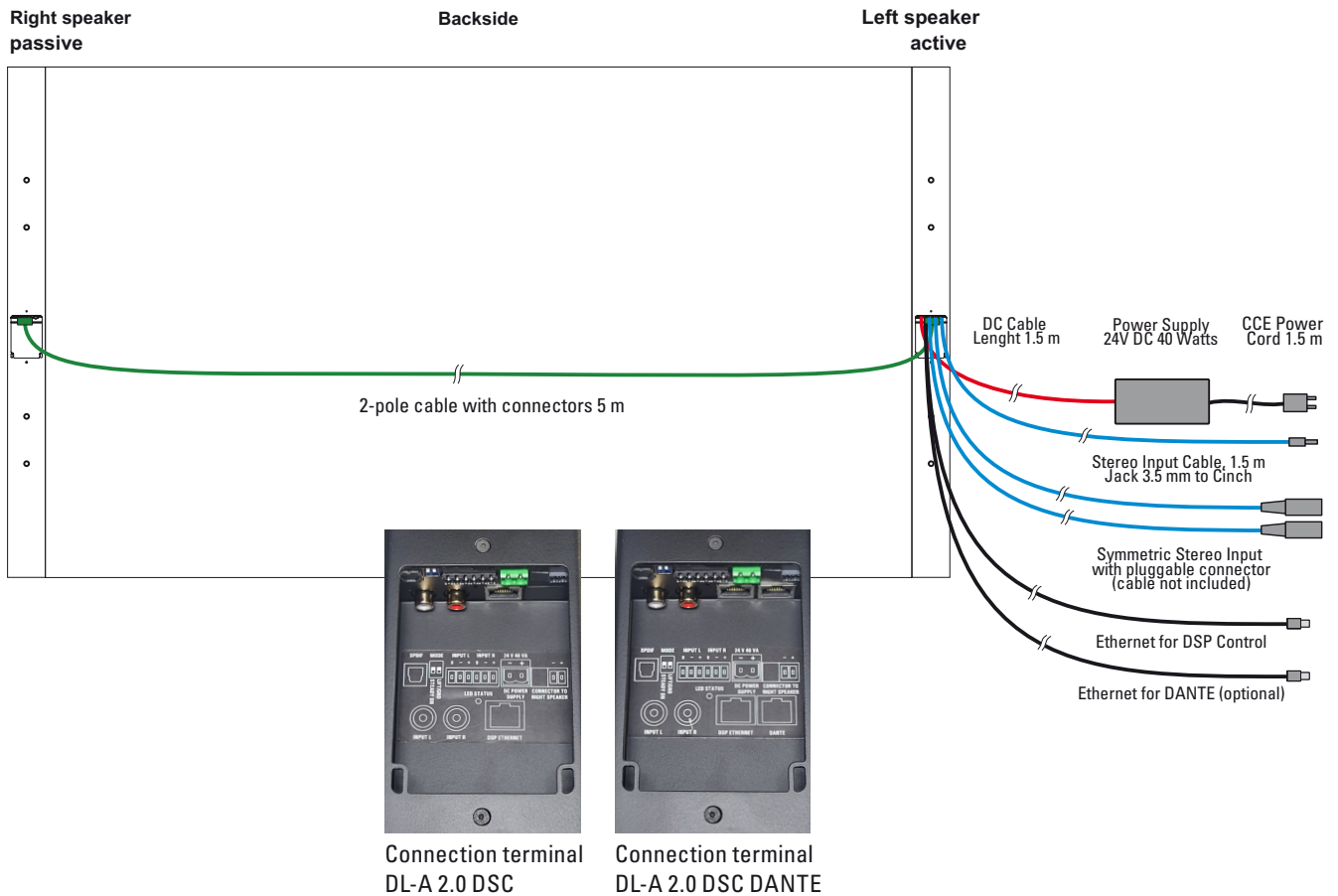
#### Wall-mounts for Display Speakers

	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)

## Dimensions



## Speaker Connection



## 4.2 DL-A 2.2 DSC (DANTE) Active stereo display speaker pair with DSP and integrated subwoofers

### Key Features


- Active stereo 2-way speaker pair with DSP and integrated subwoofers
- Very linear frequency range
- Optimized speech intelligibility
- Integrated subwoofer
- Control via LB CONTROL App and Network commands
- Analog and digital inputs
- Optional DANTE interface
- 2 × 50 + 2 × 100 watts power capacity
- Automatic switch-on
- Switchable Ground-Lift
- Customized versions with height on measure for display height from 700 up to 1600 mm
- VESA mounts for display width up to 2600 mm



### Technical Data

Principle	Active 2-way stereo speaker pair with class-D amplifiers and DSP. Left speaker with amplifier module, right speaker passive.
Components	2 × 2.5" full-range drivers + 6 × 2.5" woofers + 6 × 2.5" passive radiators
Frequency range	42 Hz – 20 kHz
Power capacity	2 × 50 watts + 2 × 100 watts
Maximum SPL	max. 112 dB (1W/1m)
Nominal dispersion	120°
Connectors active speaker	Line In Stereo, symmetrical and Cinch, optical SPDIF input (Toslink), RJ45 Ethernet socket, pluggable system terminals for passive speaker and external power supply, mini jack input cable 3.5mm to Cinch, 1.5 m.
⚡ Dante	The model DL-A 2.2 DSC DANTE also has an Ethernet socket for DANTE
Connectors passive speaker	4-pole connection cable, length 5 m
Input sensitivity	0 dBu for full modulation, Impedance 4.7 kohms
Operating controls (back)	LED Standby/Sleep/On/Limit, Ground-Lift Switch
Automatic switch-on	Switch-off with approx. 10 min. delay
Power supply	Extern power supply 24 VDC
Mains connection	90 – 240 VAC
Dimensions (W × H × D)	80 × 700 × 103 mm (per speaker)
Weight	6,2 kg (pair)
Cabinet	Aluminium, front precisions steel grille, powder-coated, black
Suspension points	Threaded inserts 2 × M 6 at rear (per speaker)
Warranty	5 years

Model	Order-No.	Version
DL-A 2.2 DSC	1123-0005	Standard version, 700 mm height, pair, black
DL-A 2.2 DSC DANTE	1123-0009	Standard version, 700 mm height, pair, black
<b>Customized version with height on measure</b>		
DL-A 2.2 DSC-900	1123-0006	Height on measure from 700 to 900 mm, black
DL-A 2.2 DSC-900 DANTE	1123-0010	Height on measure from 700 to 900 mm, black
DL-A 2.2 DSC-1200	1123-0007	Height on measure from 900 to 1200 mm, black
DL-A 2.2 DSC-1200 DANTE	1123-0011	Height on measure from 900 to 1200 mm, black
DL-A 2.2 DSC-1600	1123-0008	Height on measure, 1200 to 1600 mm, black
DL-A 2.2 DSC-1600 DANTE	1123-0012	Height on measure, 1200 to 1600 mm, black
Fee DL	1113-0005	Customized version fee DL (one-time charge per display type and order)

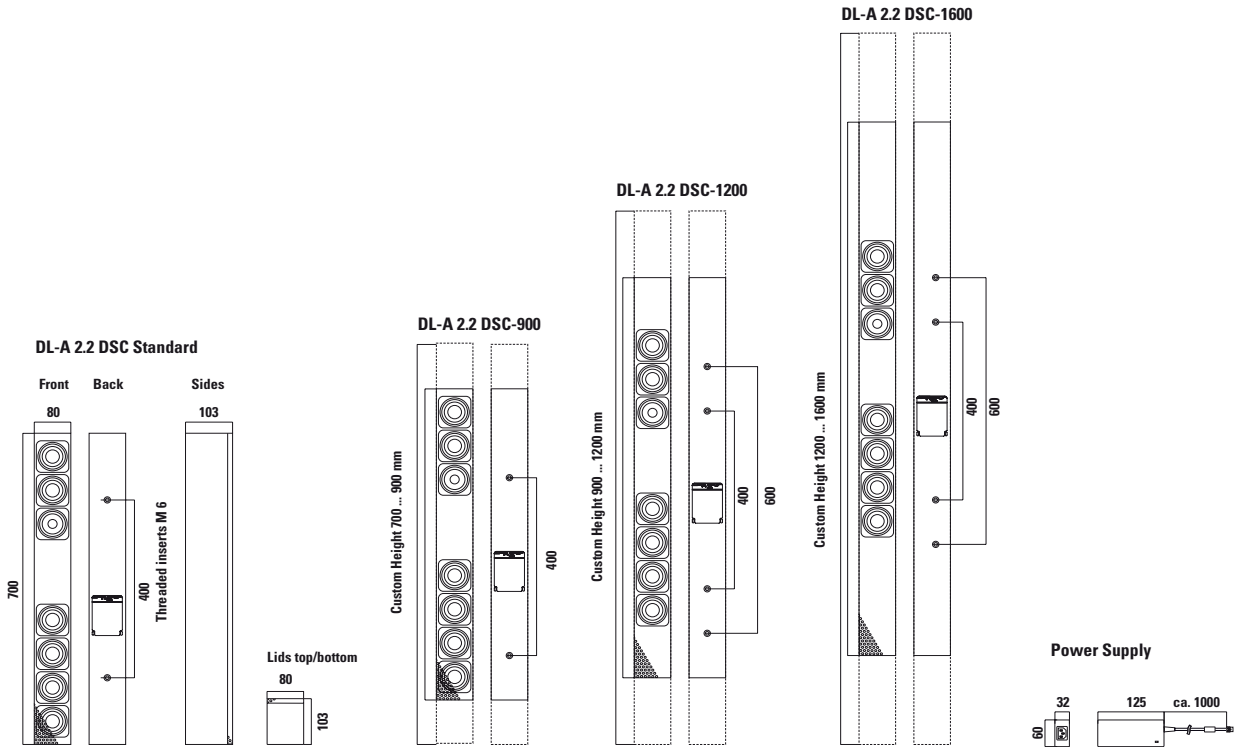
Accessories	Order-No.	Version
<b>VESA mounts for display speakers</b>		
		
DL-VESA 1700	7111-0022	1200 – 1700 mm display width
DL-VESA 2000	7111-0023	1550 – 2000 mm display width
DL-VESA 2300	7111-0024	1850 – 2300 mm display width
DL-VESA 2600	7111-0025	2150 – 2600 mm display width

Dual DL-VESA on page 13

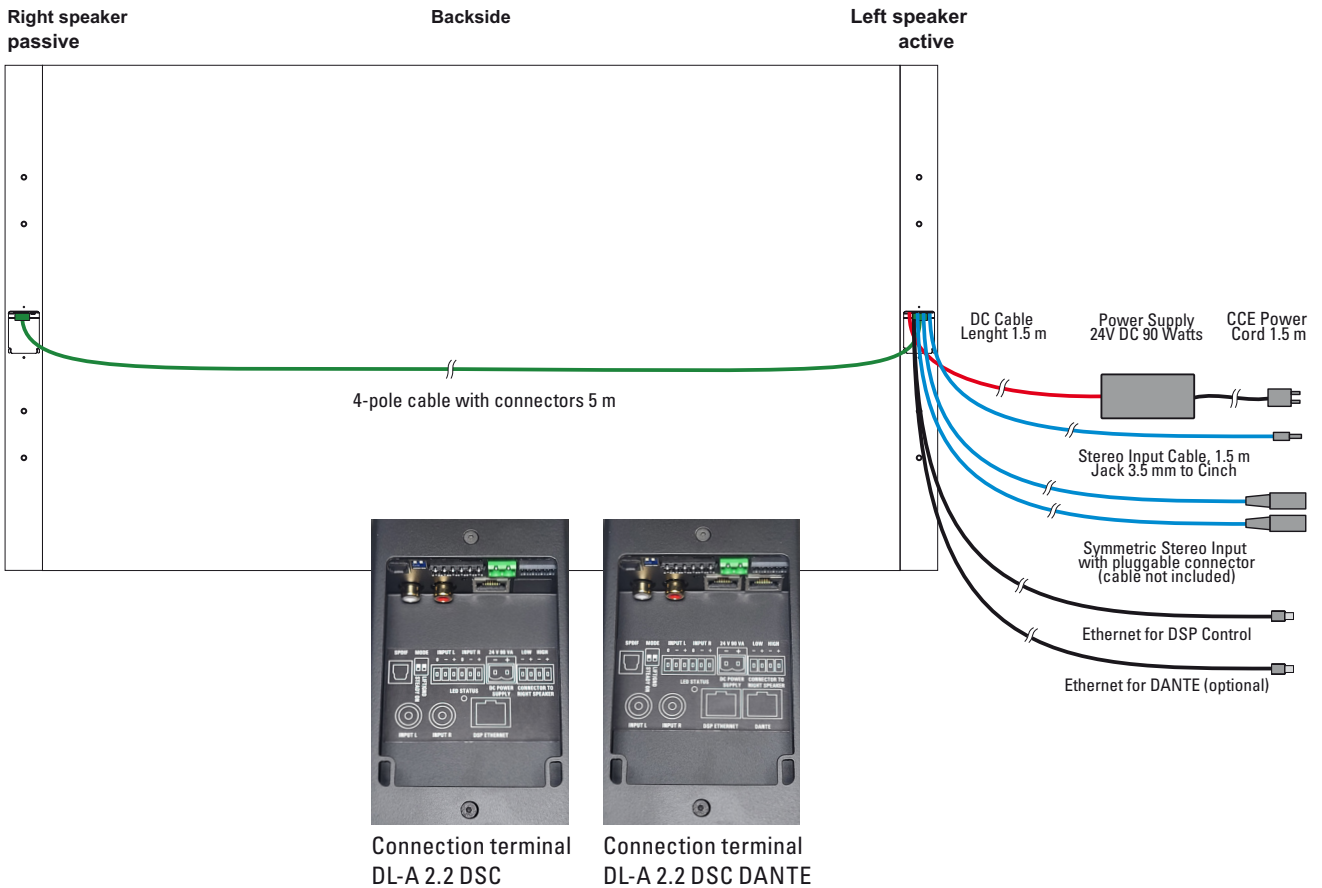
Wall-mounts for Display Speakers		
SH 50 wall mount	7110-0004	Pivotable (2 pieces per speaker pair)
WH 80 wall mount	7111-0013	Adjustable to a distance of 35 to 110 mm from the wall, pair (two pairs required per speaker)



# Dimensions



# Speaker Connection



## 5. Mounts for Display Speakers

### 5.1 DL-VESA Technical Data

The DL-VESA / Dual DL-VESA mounts are designed for attaching our DL series display speakers to displays with rear VESA mounting points. The mounts are adjustable for different display widths and depths. If the VESA hole pattern on the display is asymmetrical, the mounts can be adjusted by +/- 100 mm.

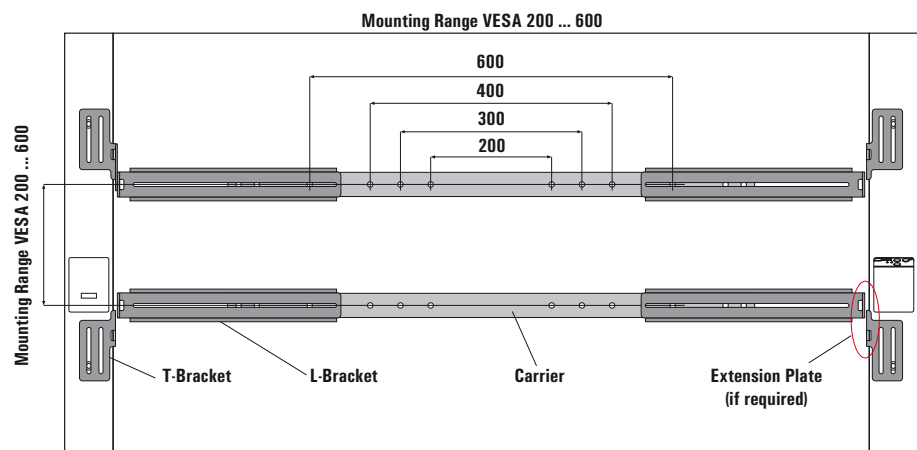
Models		Order-No.
DL-VESA 1700	1200 – 1700 mm	7111-0022
DL-VESA 2000	1550 – 2000 mm	7111-0023
DL-VESA 2300	1850 – 2300 mm	7111-0024
DL-VESA 2600	2150 – 2600 mm	7111-0025
Dual DL-VESA 1700	1200 – 1700 mm	7111-0026
Dual DL-VESA 2000	1550 – 2000 mm	7111-0027
Dual DL-VESA 2300	1850 – 2300 mm	7111-0028
Dual DL-VESA 2600	2150 – 2600 mm	7111-0029



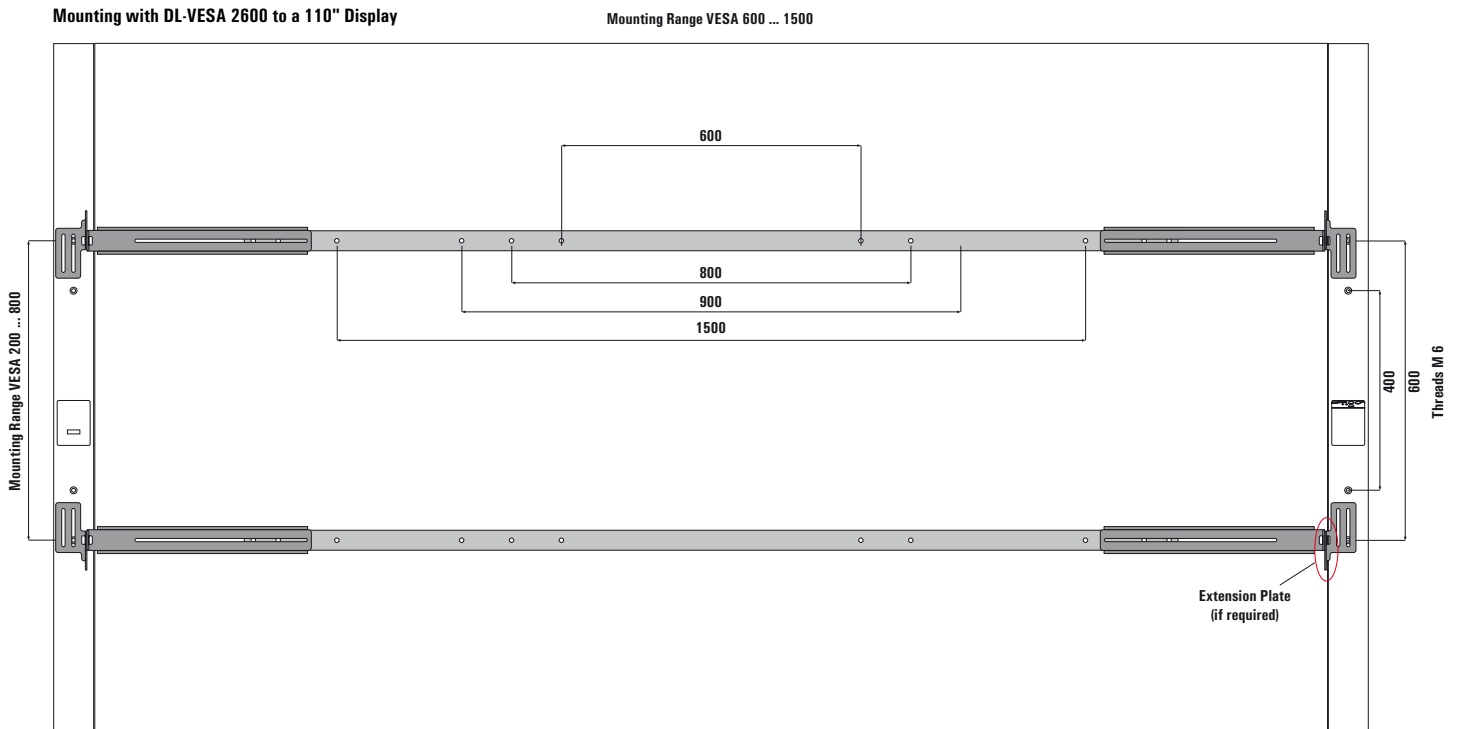
Display from behind with display speaker and DL-VESA.

### Mounting

#### Mounting with DL-VESA 1700 to a 55" Display



#### Mounting with DL-VESA 2600 to a 110" Display



## Dimensions

### DL-VESA Mounts

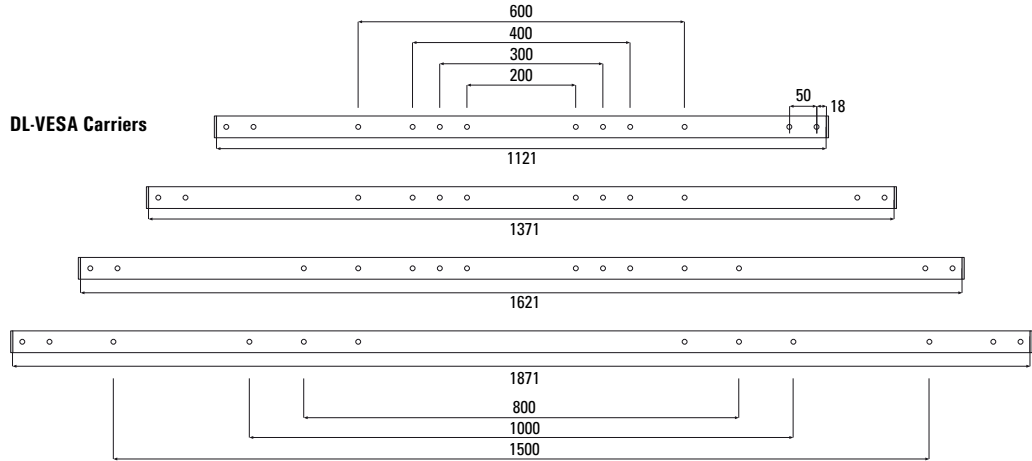
(comprise 2 x T-Bracket L, 2 x T-Bracket R, 4 x L-Bracket, 4 x Extension Plate + Screws)

**DL-VESA 1700**  
Range 1200 ... 1700 mm

**DL-VESA 2000**  
Range 1550 ... 2000 mm

**DL-VESA 2300**  
Range 1850 ... 2300 mm

**DL-VESA 2600**  
Range 2150 ... 2600 mm



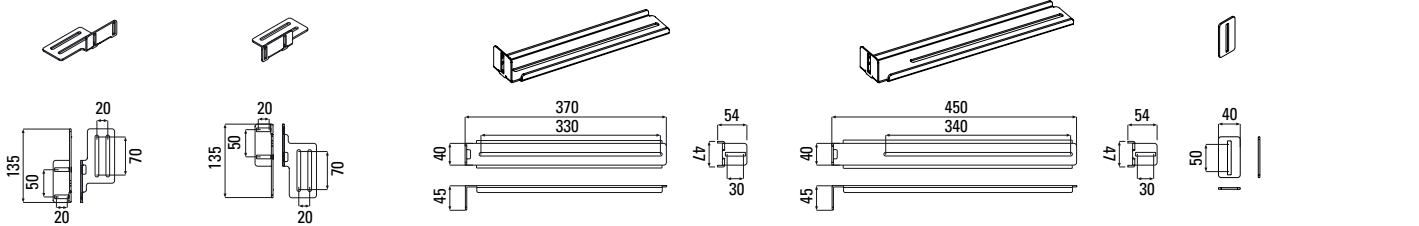
**DL-VESA T-Bracket L**

**DL-VESA T-Bracket R**

**DL-VESA L-Bracket 370 mm**  
for DL-VESA 1700

**DL-VESA L-Bracket 450 mm**  
for DL-VESA 2000 ... 2600

**DL-VESA Extension Plate**



## DL-VESA Mounting components

The parts of the bracket are mounted differently depending on the display dimensions and speaker type (see installation on pages 15–18).

**2 x Carrier**

**4 x L-Bracket**

**2 x T-Bracket Left**

**2 x T-Bracket Right**



**4 x Extension**

**12 x Hexagon screw**  
M 6 x 16

**8 x Carriage screw**  
M 6 x 16

**8 x Nut screw**  
M 6

**20 x Belleville washers**  
M 6

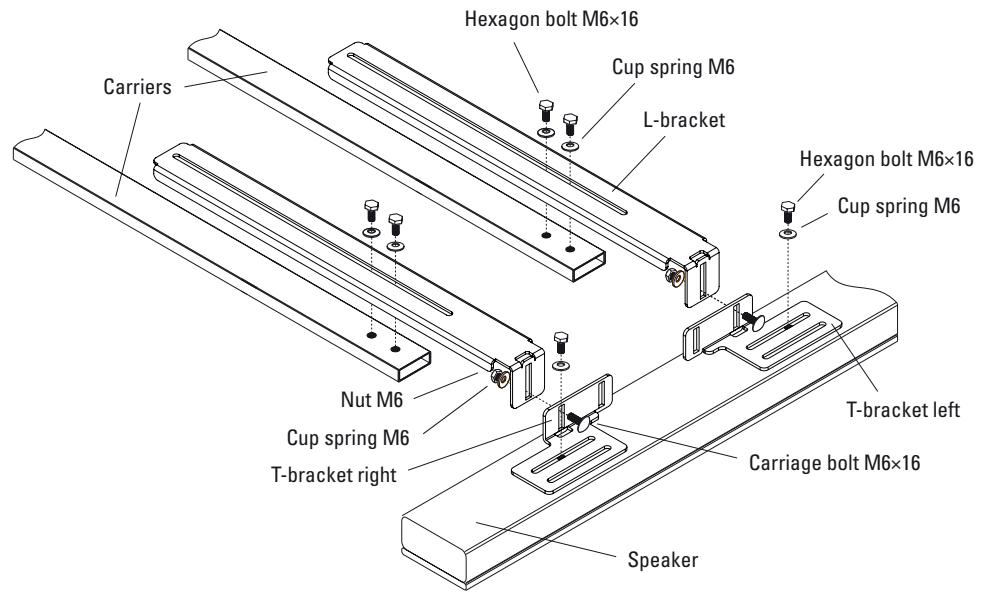


## 5.2 DL-VESA Mounting with DL-A 2.0 DSC (DANTE)

### Variant A

For a VESA hole pattern with a height of 200 to 400 mm on the display.

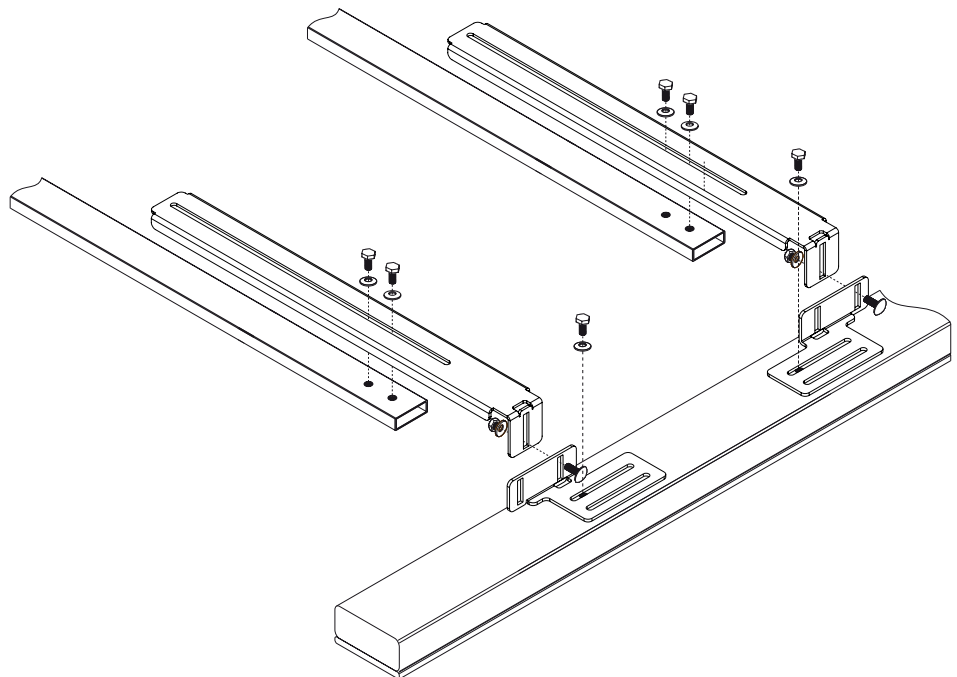
T-bracket directly on L-bracket, T-bracket symmetrical to the outside: The L-brackets can be mounted at an angle to the front or rear, depending on the display depth.



### Variant B

For a VESA hole pattern with a height of 400 to 600 mm on the display.

T-bracket directly on L-bracket, T-bracket symmetrical inward.

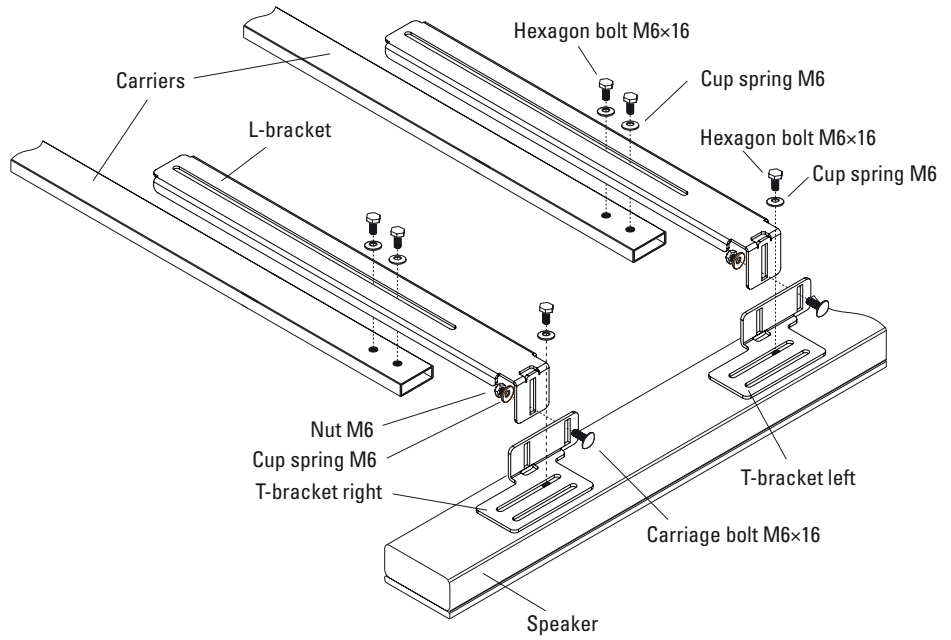


# DL-VESA Mounting with DL-A 2.0 DSC (DANTE)

## Variant C

If the VESA hole pattern on the display is asymmetrical, the brackets can be adjusted by +/- 100 mm.

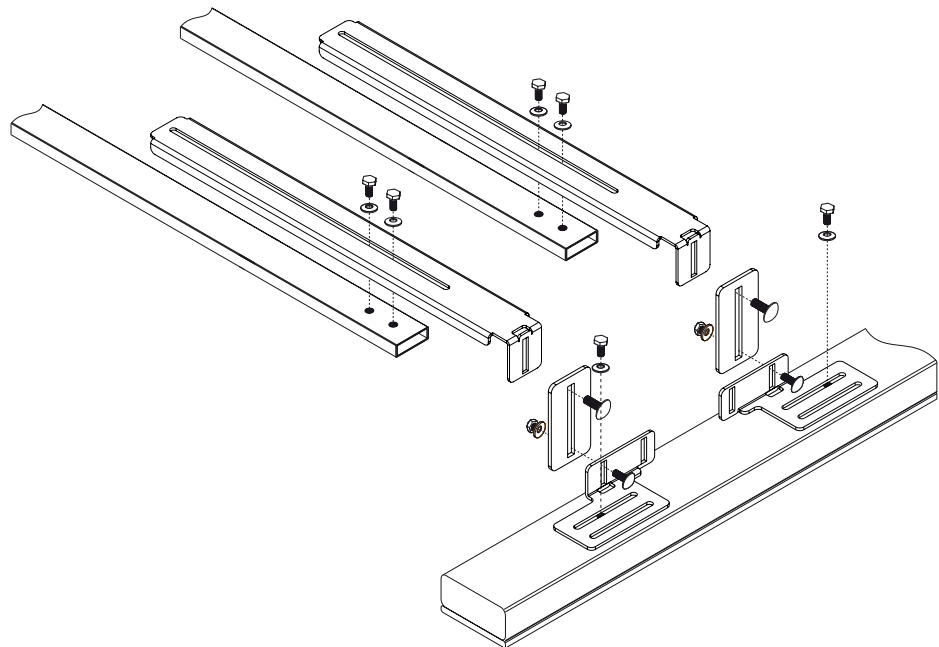
T-brackets directly on L-brackets, two identical T-brackets per side. The L-brackets can be mounted at an angle to the front or rear, depending on the depth of the display.



## Variant D

For displays with a large depth.

Screw T-brackets with extensions to L-brackets to compensate for the distance.



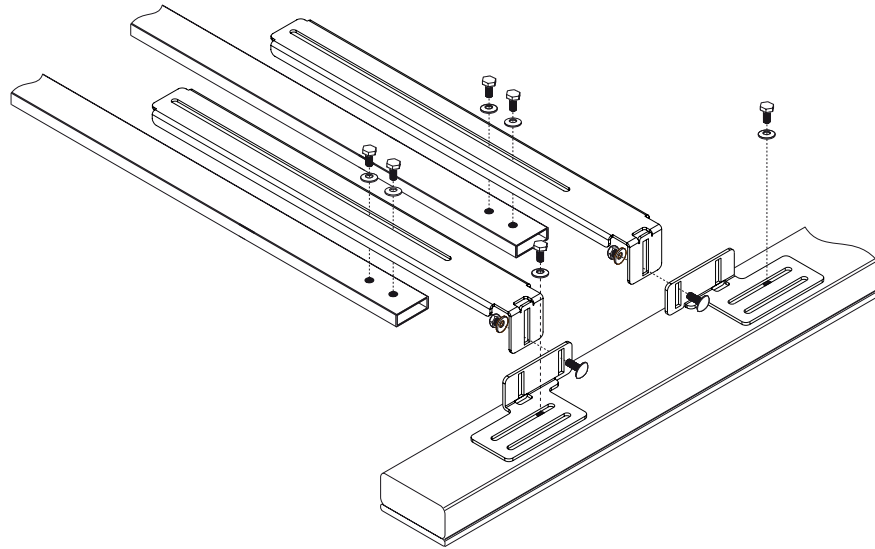
## DL-VESA Mounting with DL-A 2.0 DSC (DANTE)

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### Variant E

For a VESA hole pattern less than 200 mm high on the display.

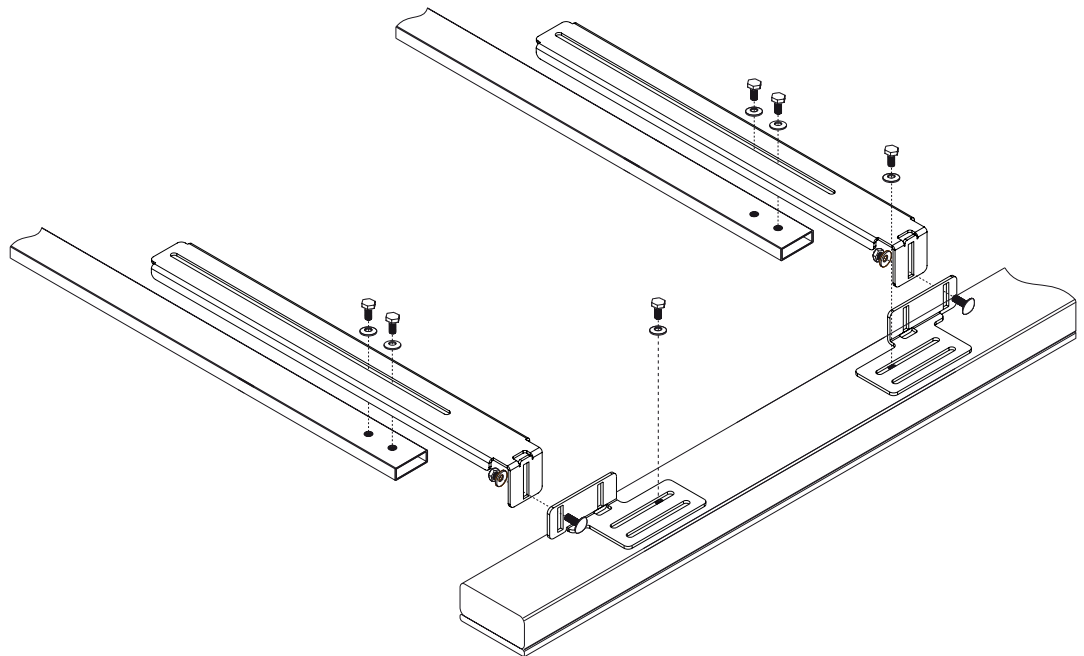
T-bracket directly on L-bracket, T-brackets symmetrical to the outside.



### Variant F

For a VESA hole pattern with a height of over 600 mm on the display.

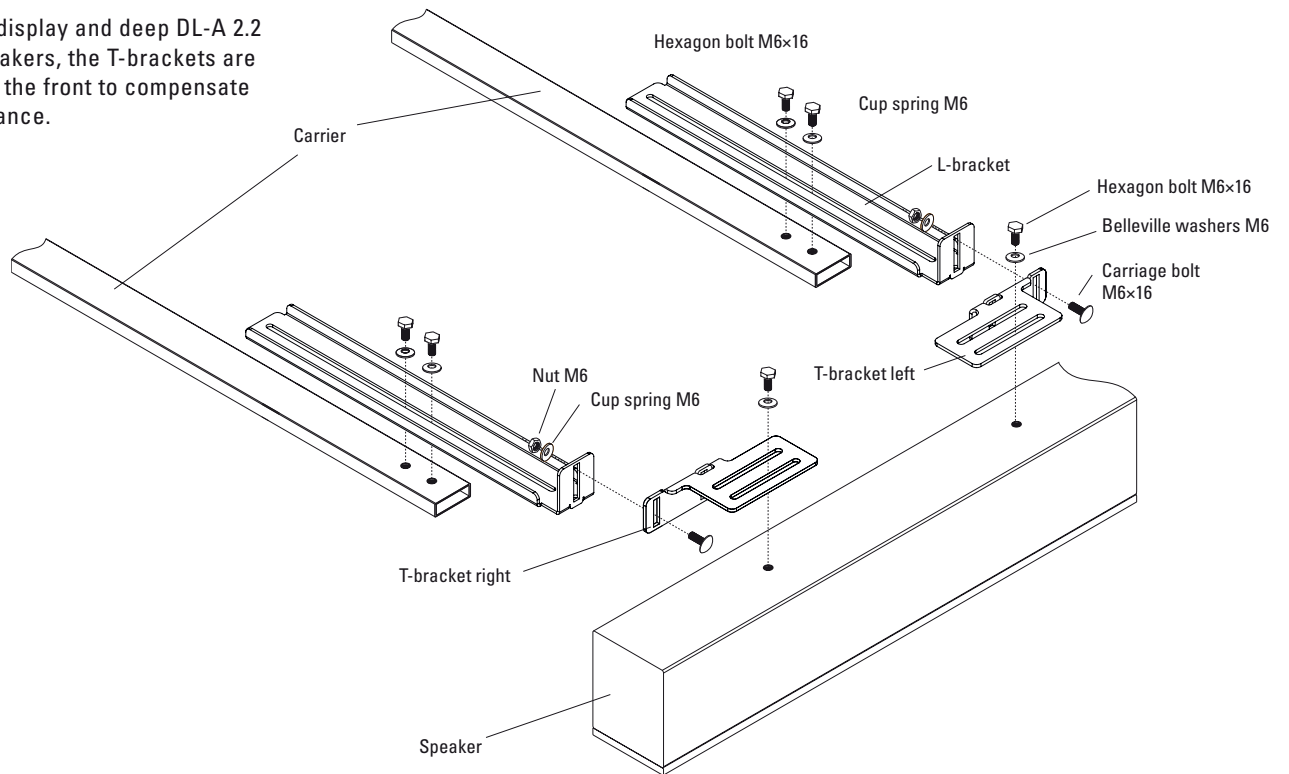
T-bracket directly on L-bracket, T-brackets symmetrical inward.



## 5.3 DL-VESA Mounting with DL-A 2.2 DSC (DANTE)

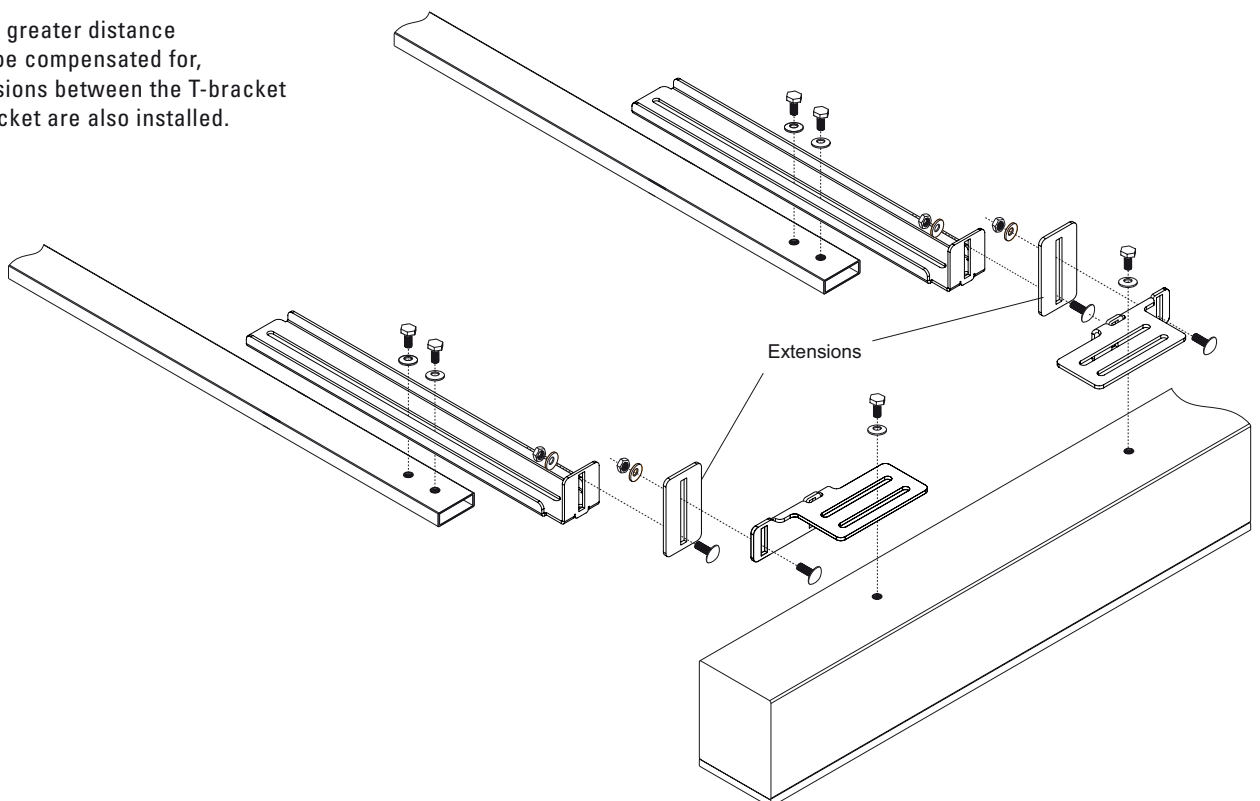
### Variant G

With a flat display and deep DL-A 2.2 display speakers, the T-brackets are mounted at the front to compensate for the distance.



### Variant H

If an even greater distance needs to be compensated for, the extensions between the T-bracket and L-bracket are also installed.



## 5.4 WH 80 Wall mount Technical Data

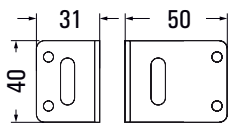
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The WH 80 wall mount is adjustable for a wall distance of 35 to 110 mm. (Two pairs are required per speaker pair.)

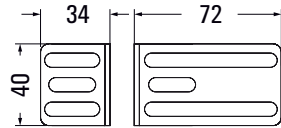
### Dimensions

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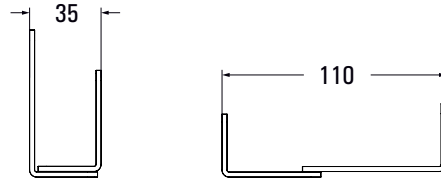
#### L-Bracket A



#### L-Bracket B

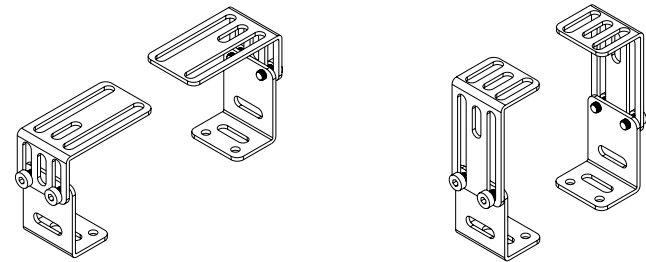


#### Wall distance 35 – 110 mm

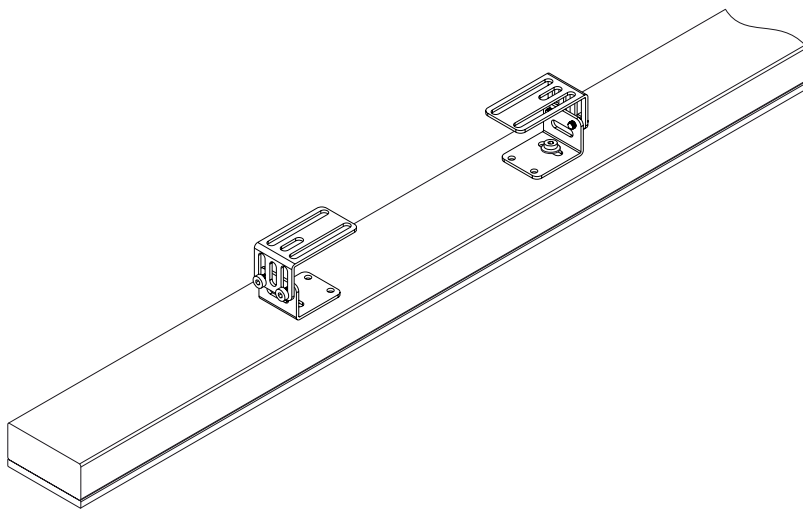


## 5.5 WH 80 Wall mount Installation

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The speakers can also be mounted at a slight angle if required.



The L-brackets A are attached to the rear of the speaker using the screws provided. (Hexagon socket screws M 6 × 16 + Belleville washers)

The L-brackets B are attached to the wall and then screwed to the L-brackets A. (Hexagon socket screws M 6 × 10 + Belleville washers)



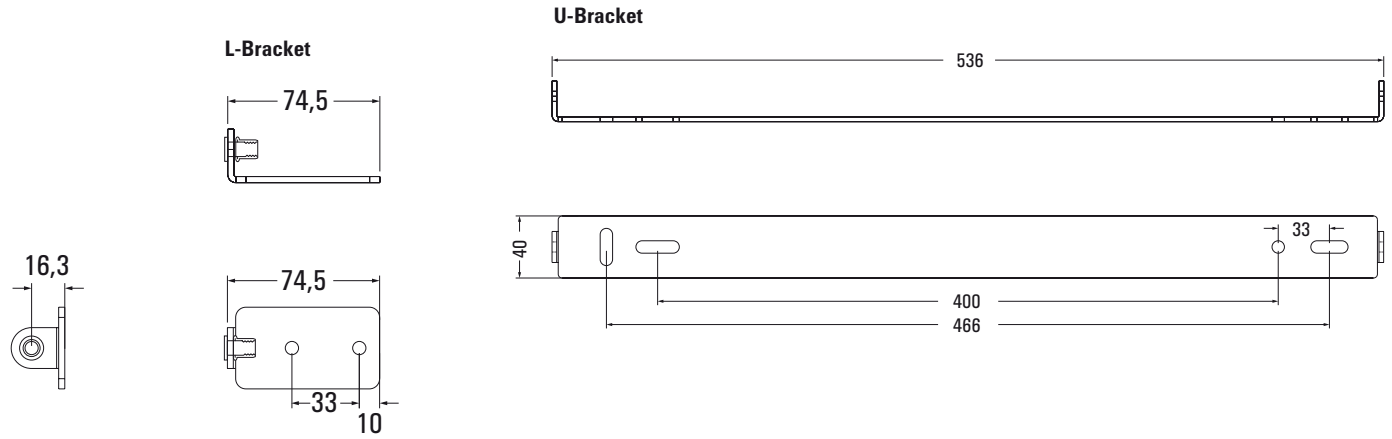
## 5.6 SH 50 Pivotal mount Technical Data

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The SH 50 pivotal mount has a wall clearance of 33 mm and can be swiveled up to 45°. (Two pieces are required per pair of speakers).

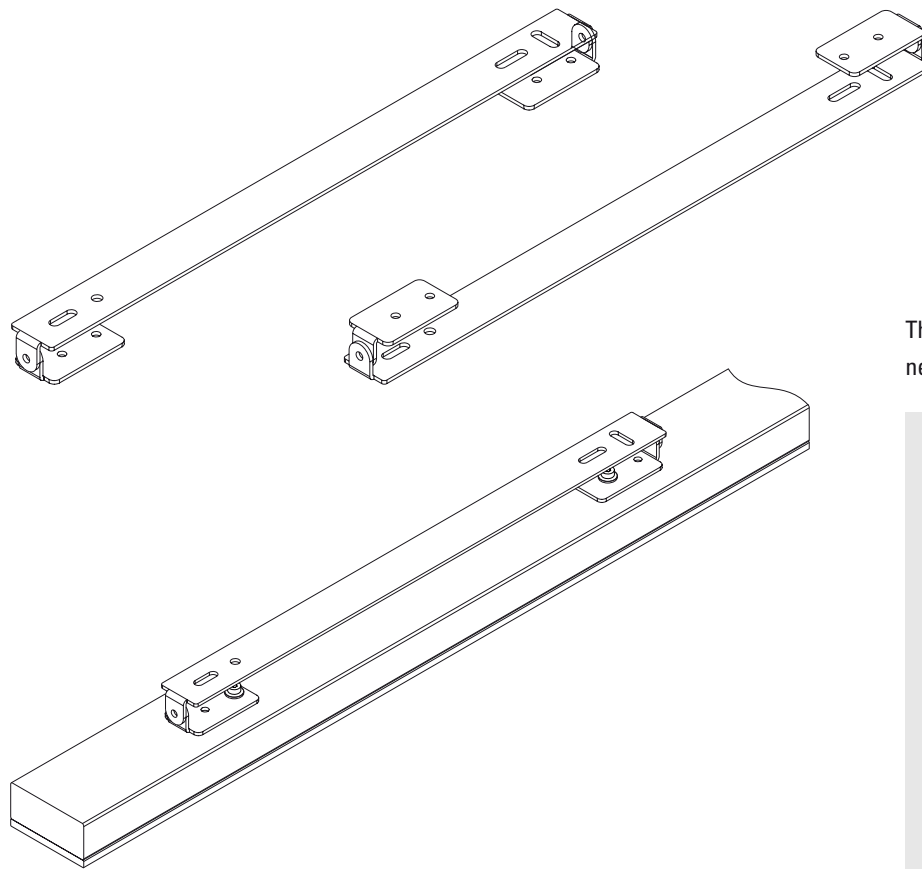
### Dimensions

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## 5.7 SH 50 Pivotal mount Installation

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The speakers can be swiveled up to 45° if necessary.



The L-brackets are attached to the rear of the speaker using the screws provided. (Hexagon socket screws M 6 × 16 + Belleville washers)

The U-bracket is attached to the wall and then screwed in place with the L-brackets. (Hexagon socket screws M 6 × 16 + Belleville washers)

## 6. Technical Data Soundbars


### 6.1 SB-A 2.0 DSC (DANTE) Active stereo soundbar with DSP



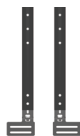

#### Key Features

- Active stereo soundbar with DSP
- Very linear frequency range
- Optimized speech intelligibility
- Control via LB CONTROL App and Network commands
- Analog and digital inputs
- Optional DANTE interface
- 2 × 50 watts power capacity
- Automatic switch-on
- Switchable Ground-Lift
- Customized versions on measure for display widths from 960 up to 2500 mm
- VESA mounts for display heights up to 110 inches

#### Technical Data

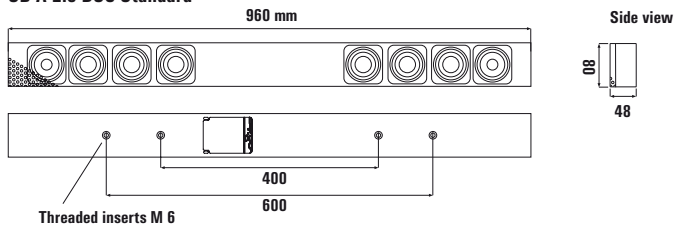
Principle	Active stereo soundbar with class-D amplifiers and DSP.
Components	2 × 2.5" full-range drivers + 2 × 2.5" woofers + 4 × 2.5" passive radiators
Frequency range	55 Hz – 20 kHz
Power capacity	2 × 50 watts
Maximum SPL	max. 109 dB (1 W/1m)
Nominal dispersion	120°
Connectors	Line In Stereo, symmetrical and Cinch, optical SPDIF input (Toslink), RJ45 Ethernet socket, pluggable system terminals for passive speaker and external power supply, mini jack input cable 3.5mm to Cinch, 1.5 m. The model SB-A 2.0 DSC DANTE also has an Ethernet socket for DANTE
 Dante®	
Input sensitivity	0 dBu for full modulation, Impedance 4.7 kohms
Operating controls (back)	LED Standby/Sleep/On/Limit, Ground-Lift Switch
Automatic switch-on	Switch-off with approx. 10 min. delay
Power supply	Extern power supply 24 VDC
Mains connection	90 – 240 VAC
Dimensions (W × H × D)	960 × 80 × 48 mm
Weight	4,5 kg
Cabinet	Aluminium, front precisions steel grille, powder-coated, black
Suspension points	Threaded inserts 4 × M 6 at rear
Warranty	5 years

Model	Order-No.	Version
<b>SB-A 2.0 DSC</b>	1213-0007	Standard version, 960 mm width, black
<b>SB-A 2.0 DSC DANTE</b>	1213-0012	Standard version, 960 mm width, black
<b>Customized version with width on measure</b>		
<b>SB-A 2.0 DSC-1200</b>	1213-0008	Width on measure from 960 – 1200 mm, black
<b>SB-A 2.0 DSC-1200 DANTE</b>	1213-0013	Width on measure from 960 – 1200 mm, black
<b>SB-A 2.0 DSC-1600</b>	1213-0009	Width on measure from 1200 – 1600 mm, black
<b>SB-A 2.0 DSC-1600 DANTE</b>	1213-0014	Width on measure from 1200 – 1600 mm, black
<b>SB-A 2.0 DSC-2000</b>	1213-0010	Width on measure from 1600 – 2000 mm, black
<b>SB-A 2.0 DSC-2000 DANTE</b>	1213-0015	Width on measure from 1600 – 2000 mm, black
<b>SB-A 2.0 DSC-2500</b>	1213-0011	Width on measure from 2000 – 2500 mm, black
<b>SB-A 2.0 DSC-2500 DANTE</b>	1213-0016	Width on measure from 2000 – 2500 mm, black
<b>Fee SB</b>	1213-0006	Customized version fee SB (one-time charge per display type and order)

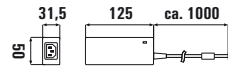
Accessories	Order-No.	Version
<b>VESA-Mounts</b>		
<b>SB-VESA</b> 	7111-0012	VESA mount for displays from 40" – 110"
<b>Wall-mounts for wall assembly</b>		
<b>WH 80</b> 	7111-0013	Adjustable to a distance of 35 to 110 mm from the wall, pair

## Dimensions

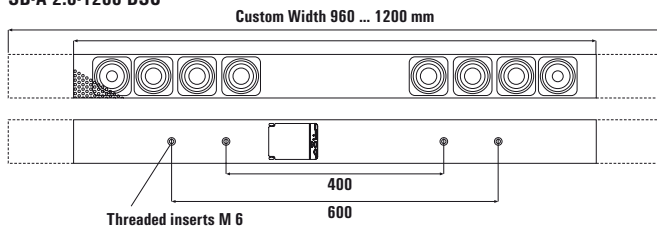
### SB-A 2.0 DSC Standard



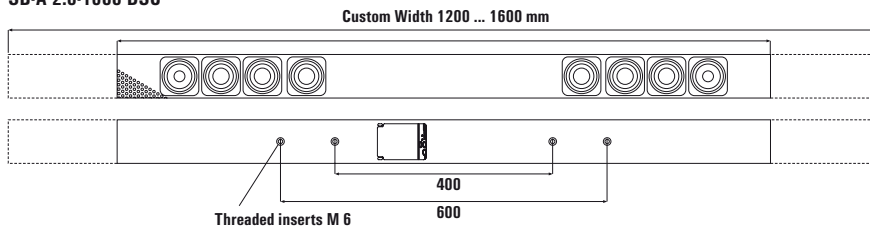
### Power Supply



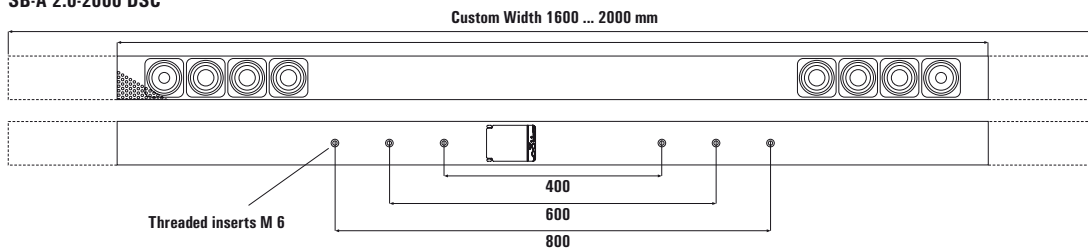
### SB-A 2.0-1200 DSC



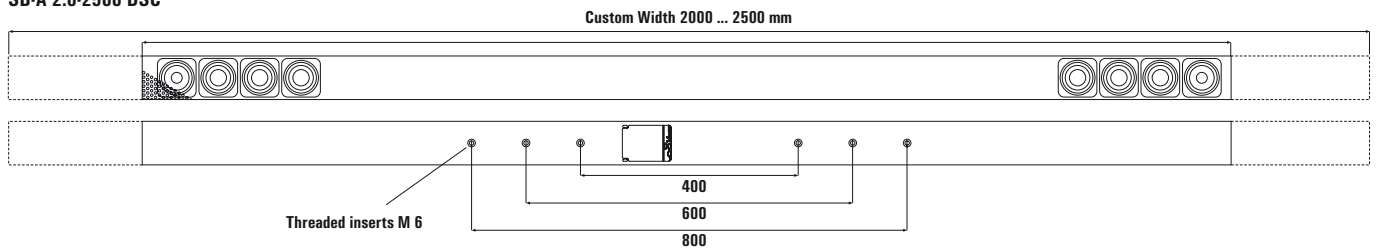
### SB-A 2.0-1600 DSC



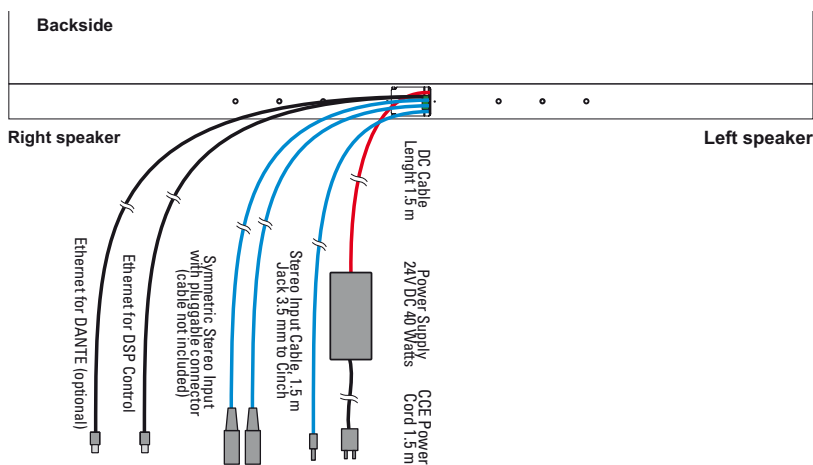
### SB-A 2.0-2000 DSC



### SB-A 2.0-2500 DSC



## Connection terminal



Connection terminal  
SB-A 2.0 DSC



Connection terminal  
SB-A 2.0 DSC DANTE

## 6.2 SB-A 2.0 DSC CAM+ / SB-A 2.0 DSC CAM+ DANTE

### Active stereo soundbar with integrated camera + microphone array



display CAM series



The Huddly camera with microphone array is mechanically integrated into the SB-A 2.0 DSC CAM+ and is automatically recognized by the computer.

#### Technical Data

Principle	Active stereo soundbar with integrated camera or camera + microphone array
Components	2 × 2.5" full-range drivers + 2 × 2.5" woofers + 3 × 2.5" passive radiators (as of 1200 mm) + 4 × 2.5" passive radiators
Frequency range	55 Hz – 20 kHz
Power capacity	2 × 50 watts
Maximum SPL	max. 109 dB (1 W/1m)
Nominal dispersion	120°
Connectors	Camera: USB 3 incl. 2 m cable Line In Stereo, symm. and RCA, optical SPDIF input (Toslink), Ethernet socket RJ45, external power supply, input cable mini jack 3.5 mm to RCA, 1.5 m. Model SB-A 2.0 DSC CAM+ DANTE also has an Ethernet socket for DANTE
🔊 Dante	
Input sensitivity	-6 dBu for full modulation, input-impedance 4.7 kohms
Operating controls	Volume control, LED On/Limit, Ground-Lift-at back
Automatic switch-on	Switch
Power supply	Extern power supply 24 VDC
Mains connection	90 – 240 VAC
Dimensions (W × H × D)	960 × 80 × 48 mm, depth of camera (middle of cabinet) 70 mm
Weight	5 kg
Cabinet	Aluminium, front precisions steel grille, powder-coated
Suspension points	Threaded inserts 4 × M 6 at rear
Warranty	5 years



#### Key Features

- Active stereo soundbar with integrated camera + microphone array
- Very linear frequency range
- Optimized speech intelligibility
- Control via LB CONTROL App and Network commands
- Analog and digital Inputs
- Optional: DANTE Interface
- Power 2 × 50 watts
- Automatic switch-on
- Switchable Ground-Lift
- Customized versions on measure for display widths from 960 up to 2000 mm
- VESA mounts for display heights up to 100 inches

Model	Order-No.	Version
<b>SB-A 2.0 DSC CAM+</b>	1215-0013	Standard version with integrated camera + microphone array (Huddly IQ), width 960 mm, black with DANTE
<b>SB-A 2.0 DSC CAM+ DANTE</b>	1215-0017	
<i>Customized versions with width on measure</i>		
<b>SB-A 2.0 DSC CAM+ -1200</b>	1215-0014	Width on measure from 960 up to 1200 mm with DANTE
<b>SB-A 2.0 DSC CAM+ -1200 DANTE</b>	1215-0018	
<b>SB-A 2.0 DSC CAM+ -1600</b>	1215-0015	Width on measure from 1200 up to 1600 mm with DANTE
<b>SB-A 2.0 DSC CAM+ -1600 DANTE</b>	1215-0019	
<b>SB-A 2.0 DSC CAM+ -2000</b>	1215-0016	Width on measure from 1600 up to 2000 mm with DANTE
<b>SB-A 2.0 DSC CAM+ -2000 DANTE</b>	1215-0020	
<b>Pauschale SB</b>	1213-0006	Customized version fee SB (one-time charge per display type and order)

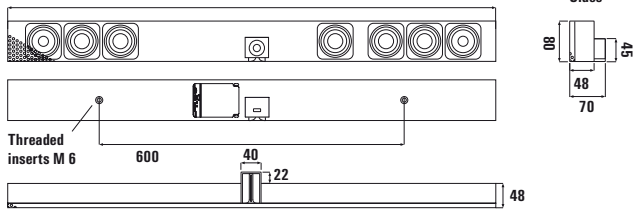
#### Accessories

##### Wall-mounts for wall assembly

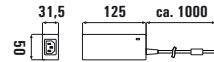
Accessories	Order-No.	Version
<b>SB-VESA</b> 	7111-0012	VESA mount for displays from 40" – 100"
<b>WH 80</b> 	7111-0013	Adjustable to a distance of 35 to 110 mm from the wall, pair

## Dimensions

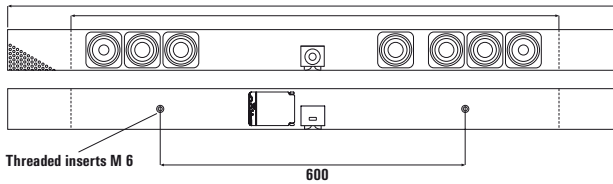
### SB-A DSC-2.0 CAM+ Standard 960 mm



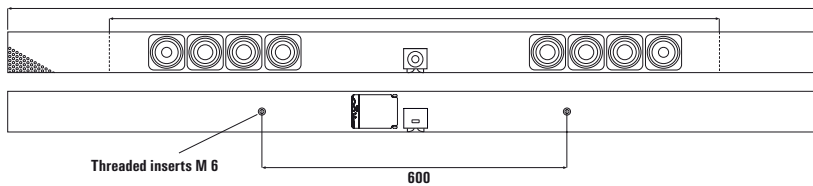
### Power Supply



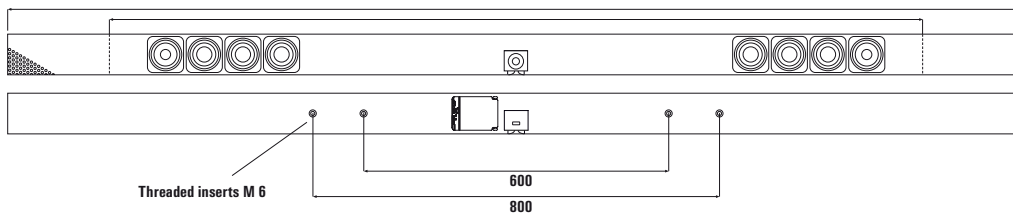
### SB-A DSC-2.0-1200 CAM+ Custom Width 960 ... 1200 mm



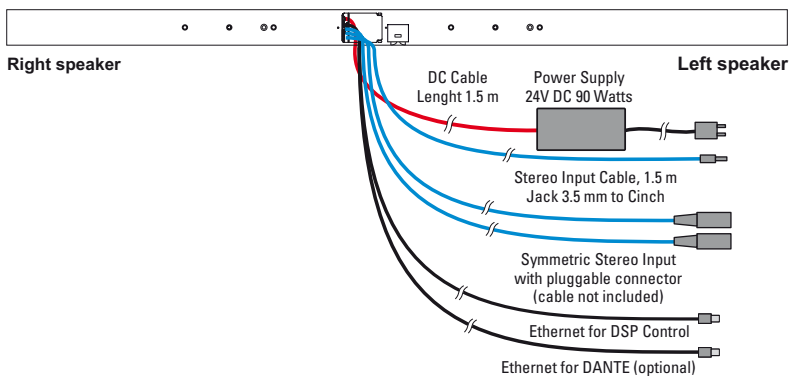
### SB-A 2.0 DSC-1600 CAM+ Custom Width 1200 ... 1600 mm



### SB-A 2.0 DSC-2000 CAM+ Custom Width 1600 ... 2000 mm



## Connection terminal



Connection terminal  
SB-A 2.0 DSC CAM+



Connection terminal  
SB-A 2.0 DSC CAM+  
DANTE

## Starting up the camera

The SB-A DSC CAM+ (DANTE) soundbar can be mounted either above or below the display. If the bottom edge of the display is higher than 1.10 m, mounting below the display is recommended. The camera image is automatically aligned using the integrated position sensor.

- Connect the camera to the video conferencing hub or PC using the supplied USB 3.0 cable. The camera and microphone are automatically recognized without drivers.
- When using other USB cables, pay attention to the USB 3.0 designation and the permissible length specifications. For longer distances, signal conversion is recommended.
- In the video conferencing application software, change the settings to the external camera and external microphone.
- Check the volume settings in the displays and adjust them if necessary.

With the Huddly software (download at [www.huddly.com/app](http://www.huddly.com/app)), further settings such as „Selection of the image section“ can be made.



## 6.3 SB-A 2.2 DSC (DANTE)


### Active stereo soundbar with DSP and integrated subwoofers





#### Key Features

- Active 2-way stereo soundbar with DSP and integrated subwoofers
- Very linear frequency range
- Optimized speech intelligibility
- Control via LB CONTROL App and Network commands
- Analog and digital inputs
- Optional DANTE interface
- 2 × 50 + 2 × 100 watts power capacity
- Automatic switch-on
- Switchable Ground-Lift
- Customized versions on measure for display widths from 1200 up to 2500 mm
- VESA mounts for display size up to 110 inches

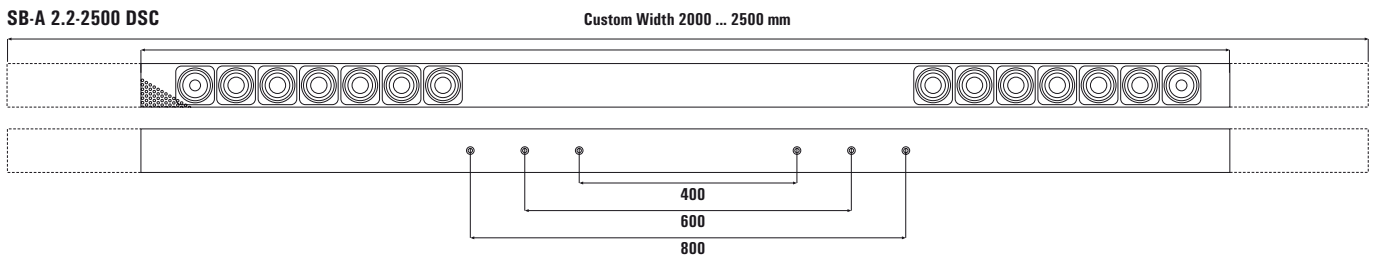
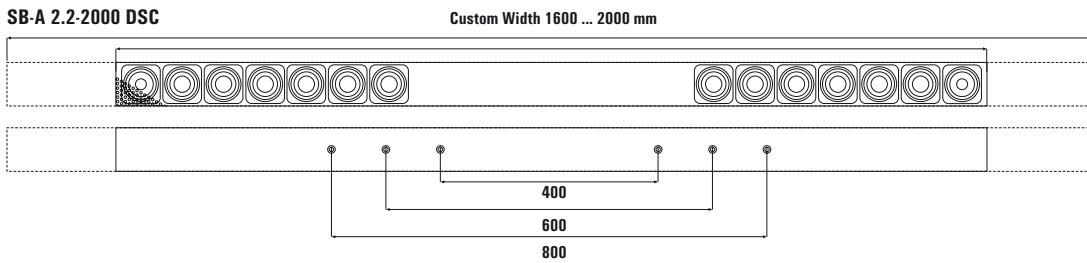
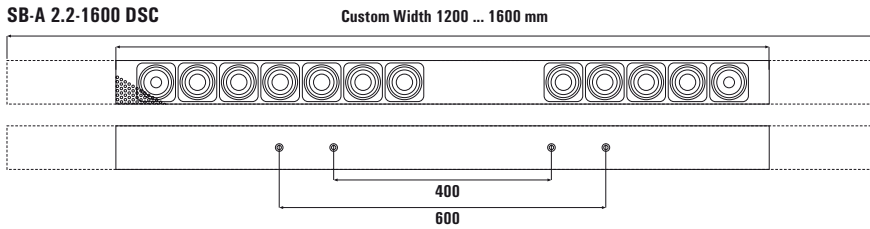
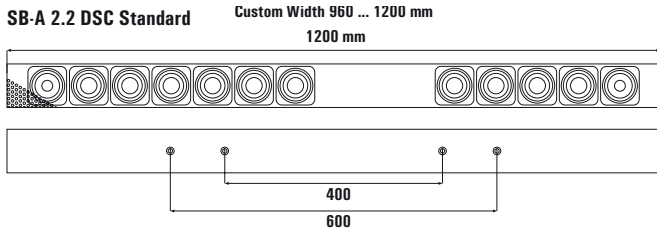
#### Technical Data

Principle	Active stereo soundbar with integrated subwoofers, class-D amplifiers and DSP.
Components	2 × 2.5" full-range drivers + 5 × 2.5" woofers + 5 × 2.5" passive radiators (6 × 2.5" woofers and 6 × 2.5" passiv radiators as of 1600 mm width)
Frequency range	55 Hz – 20 kHz
Power capacity	2 × 50 + 2 × 100 watts
Maximum SPL	max. 112 dB (1W/1m)
Nominal dispersion	120°
Connectors	Line In Stereo, symmetrical and Cinch, optical SPDIF input (Toslink), RJ45 Ethernet socket, pluggable system terminals for passive speaker and external power supply, mini jack input cable 3.5mm to Cinch, 1.5 m. The model SB-A 2.2 DSC DANTE also has an Ethernet socket for DANTE
 Dante	
Input sensitivity	0 dBu for full modulation, Impedance 4.7 kohms
Operating controls (back)	LED Standby/Sleep/On/Limit, Ground-Lift Switch
Automatic switch-on	Switch-off with approx. 10 min. delay
Power supply	Extern power supply 24 VDC
Mains connection	90 – 240 V AC
Dimensions (W × H × D)	1200 × 80 × 103 mm
Weight	4,5 kg
Cabinet	Aluminium, front precisions steel grille, powder-coated, black
Suspension points	Threaded inserts 6 × M 6 at rear
Warranty	5 years

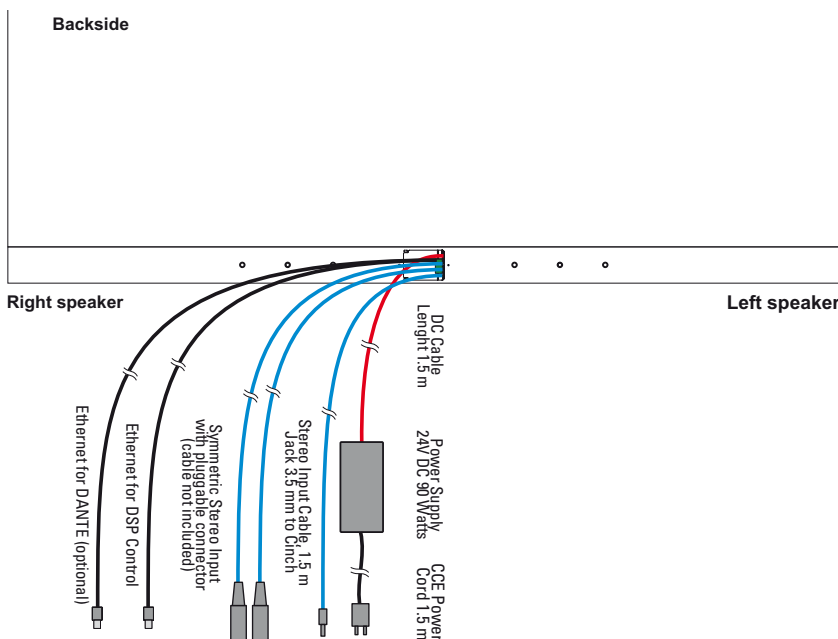
Model	Order-No.	Version
<b>SB-A 2.2 DSC</b>	1223-0005	Standard version, 1200 mm width, black
<b>SB-A 2.2 DSC DANTE</b>	1223-0009	Standard version, 1200 mm width, black
<b>Customized version with width on measure</b>		
<b>SB-A 2.2 DSC-1600</b>	1223-0006	Width on measure from 1200 – 1600 mm, black
<b>SB-A 2.2 DSC-1600 DANTE</b>	1223-0010	Width on measure from 1200 – 1600 mm, black
<b>SB-A 2.2 DSC-2000</b>	1223-0007	Width on measure from 1600 – 2000 mm, black
<b>SB-A 2.2 DSC-2000 DANTE</b>	1223-0011	Width on measure from 1600 – 2000 mm, black
<b>SB-A 2.2 DSC-2500</b>	1223-0008	Width on measure from 2000 – 2500 mm, black
<b>SB-A 2.2 DSC-2500 DANTE</b>	1223-0012	Width on measure from 2000 – 2500 mm, black
<b>Fee SB</b>	1213-0006	Customized version fee SB (one-time charge per display type and order)

Accessories	Order-No.	Version
<b>Wall-mounts for wall assembly</b>		
<b>SB-VESA</b> 	7111-0012	VESA mount for displays from 40" – 100"
<b>WH 80</b> 	7111-0013	Adjustable to a distance of 35 to 110 mm from the wall, pair

## Dimensions



## Connection terminal



Connection terminal  
SB-A 2.2 DSC



Connection terminal  
SB-A 2.2 DSC DANTE

## 7. Mounts for Soundbars

### 7.1 SB-VESA Technical Data

The SB-VESA universal mount is designed for attaching our soundbars to displays with rear VESA mounting points. The mounts are widely adjustable to accommodate different displays.

#### Model

##### SB-VESA

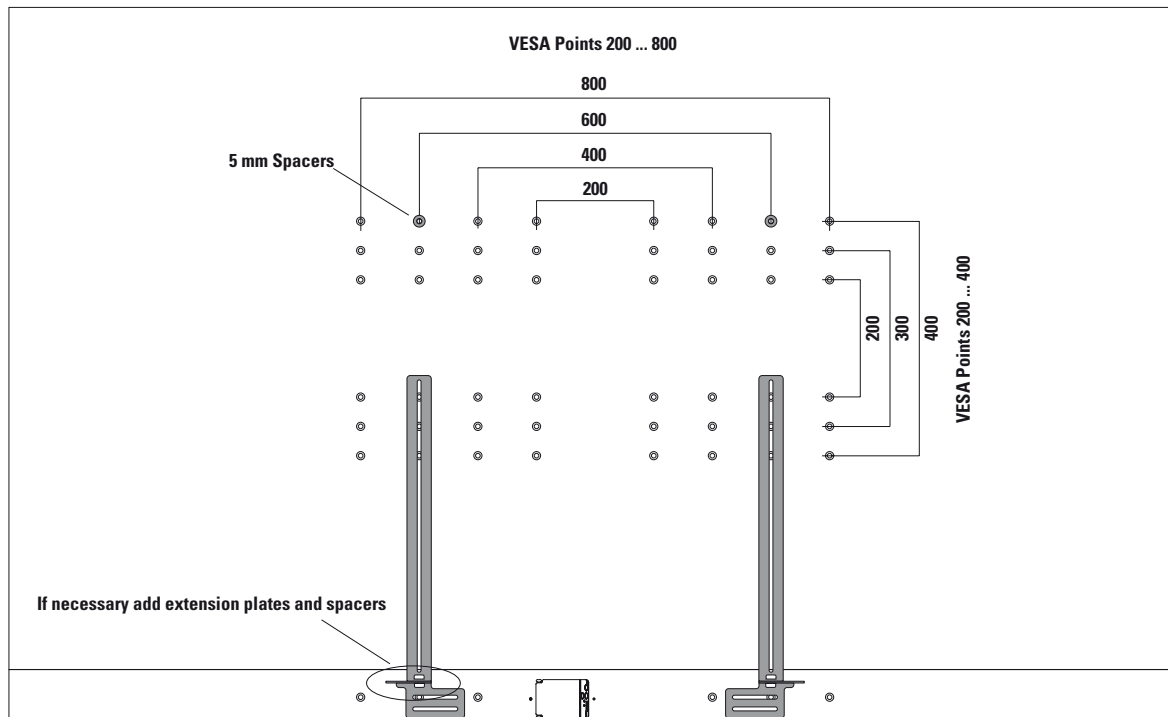
VESA mount for display sizes from 40" to 110"



Display from behind with soundbar and SB-VESA

#### Mounting points

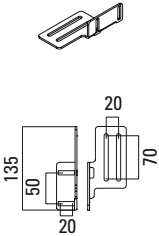
##### Mounting with SB-VESA to a 85" Display with VESA 600 x 400 Points



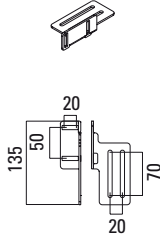
The mounts are suitable for all standard VESA hole patterns.

## Dimensions

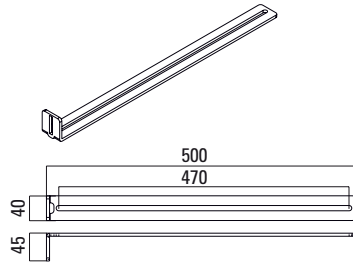
**T-Bracket L**



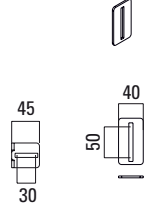
**T-Bracket R**



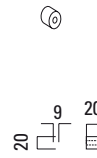
**L-Bracket**



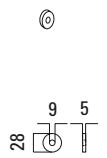
**Extension Plate**



**Spacer 20 mm**



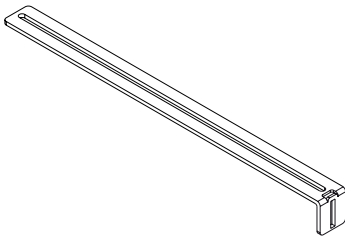
**Spacer 5 mm**



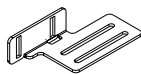
## Mounting components

The parts of the bracket are assembled differently depending on the display dimensions and speaker type (see assembly on pages 29–32).

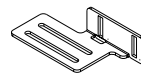
**2 × L-Bracket**



**1 × T-Bracket Left**



**1 × T-Bracket Right**



**2 × Extension**



**6 × Hexagon screw  
M6 × 16**



**4 × Carriage bolt  
M6 × 16**



**2 × Carriage screw  
M6 × 40**



**10 × Belleville washers  
M6**



**4 × Nut screw  
M6**



**2 × Spacer roller  
20 × 5**



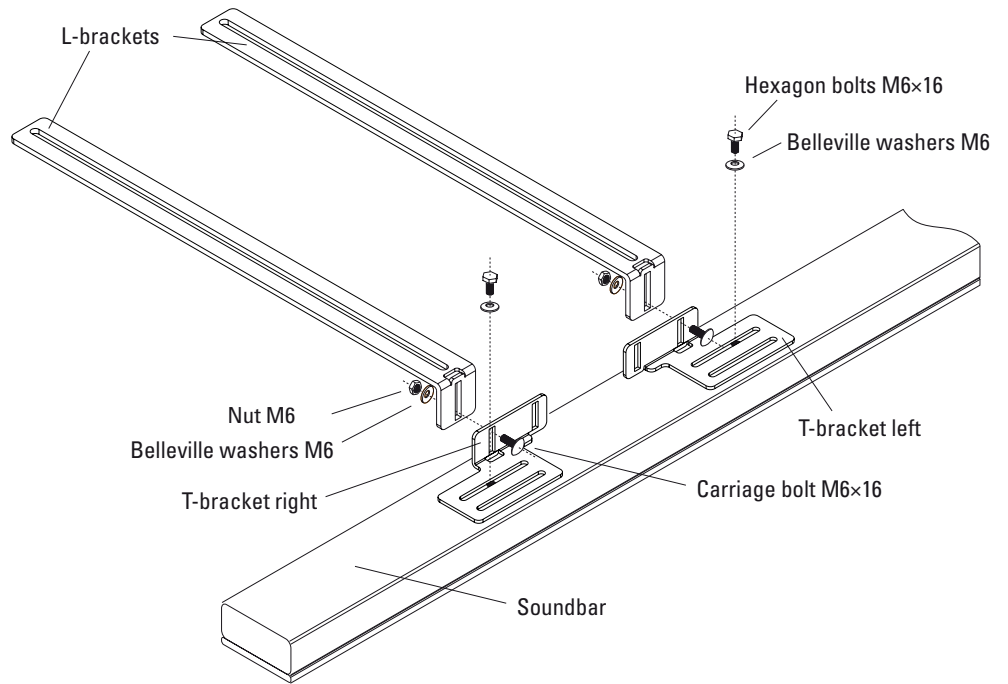
**2 × Spacer roller  
20 × 20**



## 7.2 SB-VESA Mounting with SB-A 2.0 DSC (DANTE) / SB-A 2.0 DSC CAM+ (DANTE)

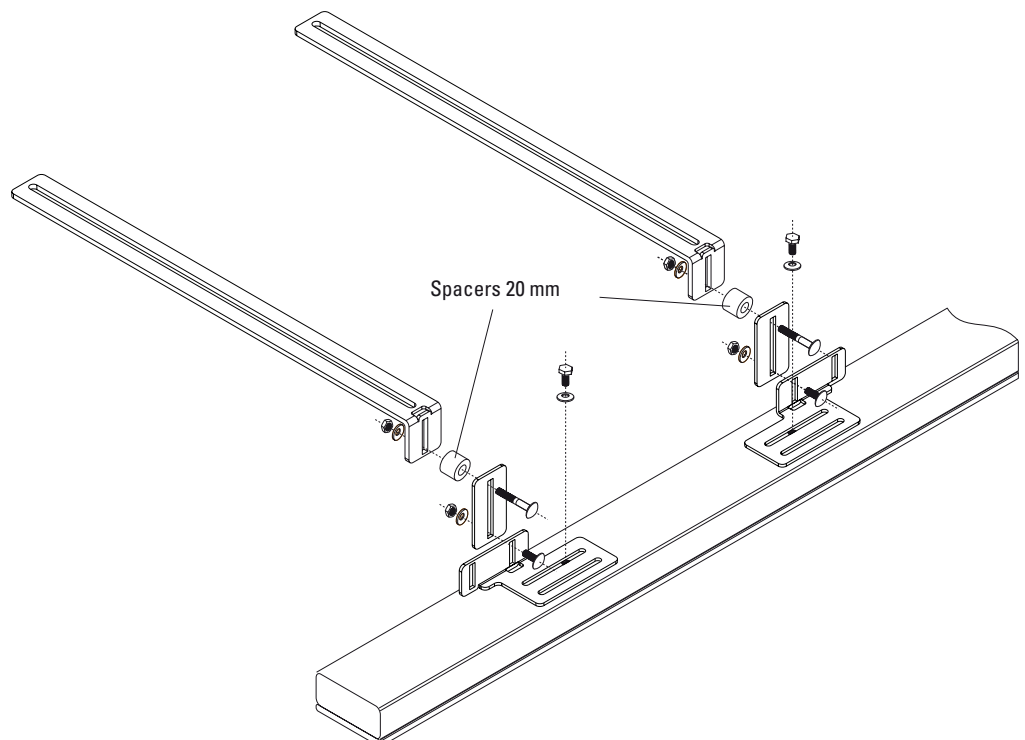
### Variant A

For a VESA hole pattern with a width of 200 to 400 mm on the display. T-bracket directly on L-bracket, T-bracket symmetrical to the outside. The L-brackets can be mounted at an angle to the front or rear, depending on the display depth.



### Variant B

If the upper ends of the L-brackets are positioned exactly on the upper VESA points of the display, use the 20 mm spacer rollers between the L-brackets and T-brackets.

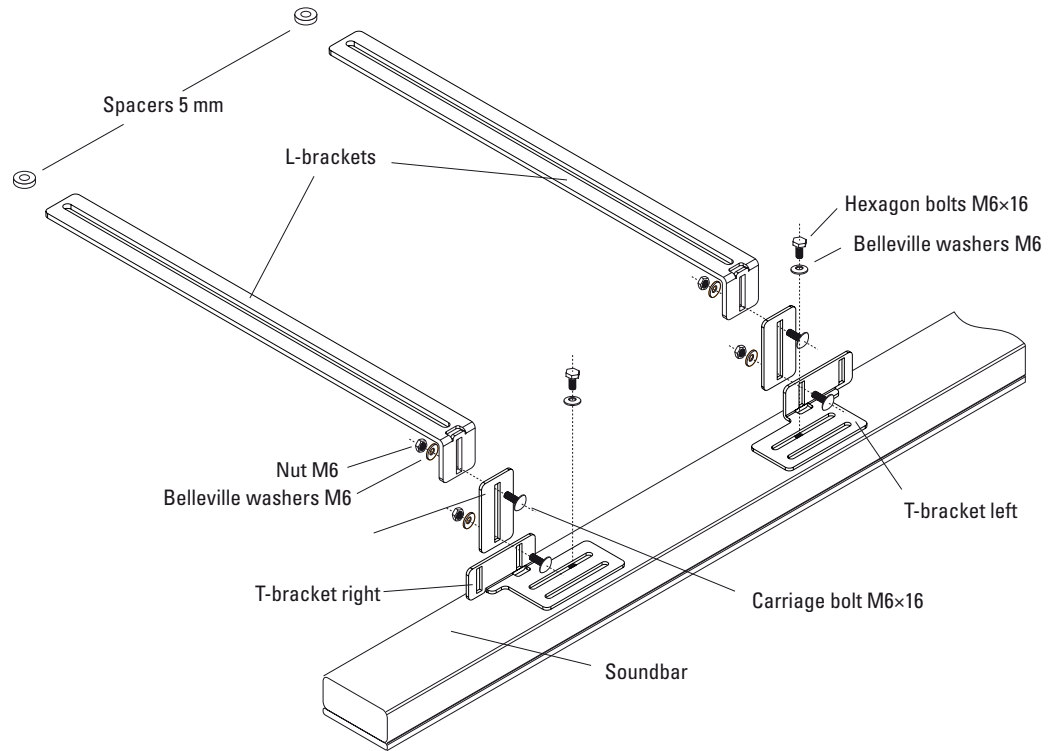


# SB-VESA Mounting with SB-A 2.0 DSC (DANTE) / SB-A 2.0 DSC CAM+ (DANTE)

## Variant C

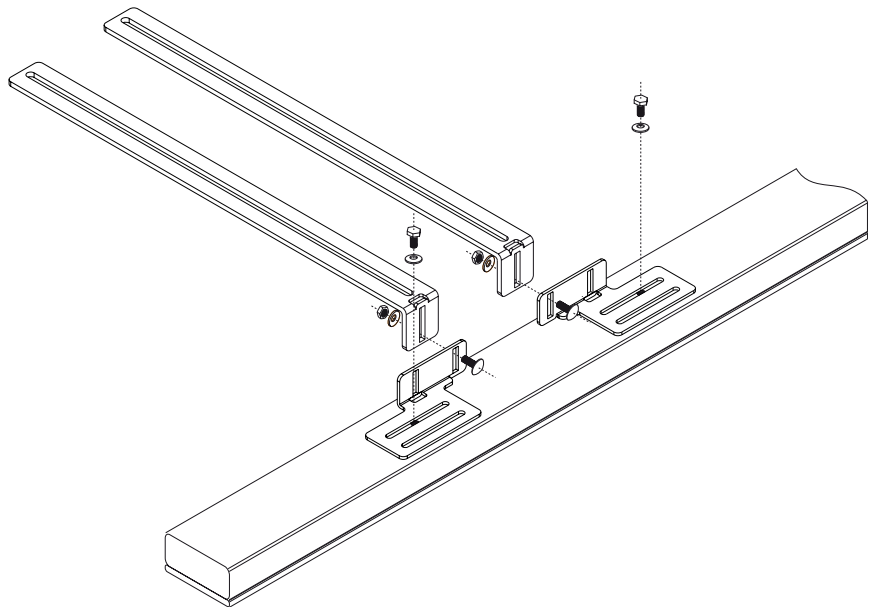
Spacer rollers for the upper VESA points on large displays.

On large displays, the L-brackets are only attached to the lower VESA points. To compensate for the depth difference, place the 5 mm spacer rollers under the upper VESA points.



## Variant D

For a VESA hole pattern with a width of 100 to 200 mm on the display.

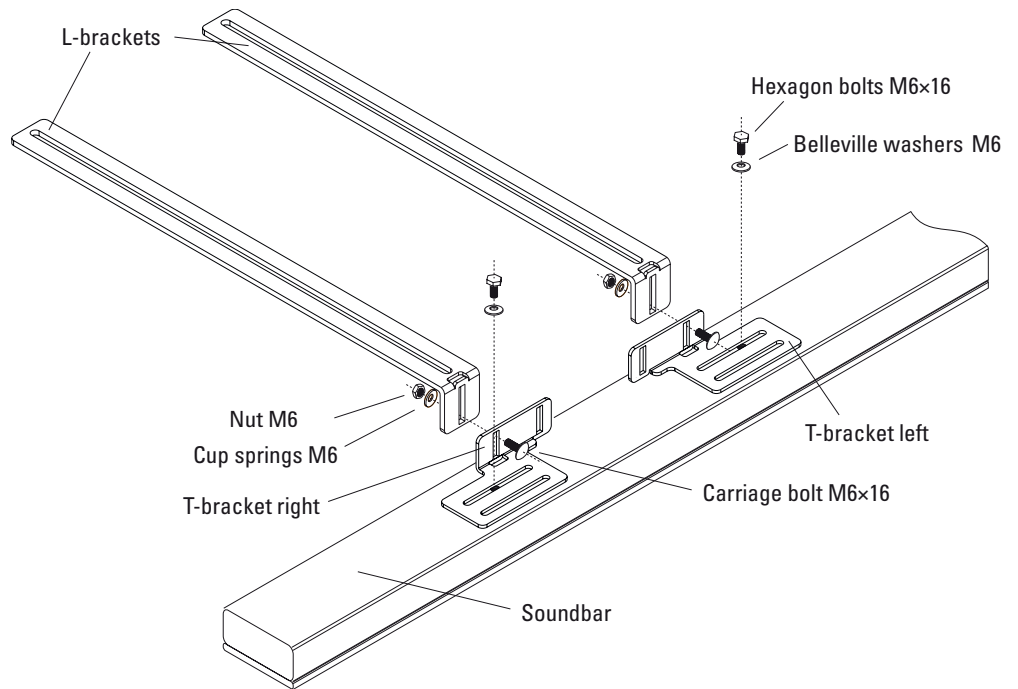


# SB-VESA Mounting with SB-A 2.0 DSC (DANTE) / SB-A 2.0 DSC CAM+ (DANTE)

## Variant E

For a VESA hole pattern with a width of more than 600 mm on the display.

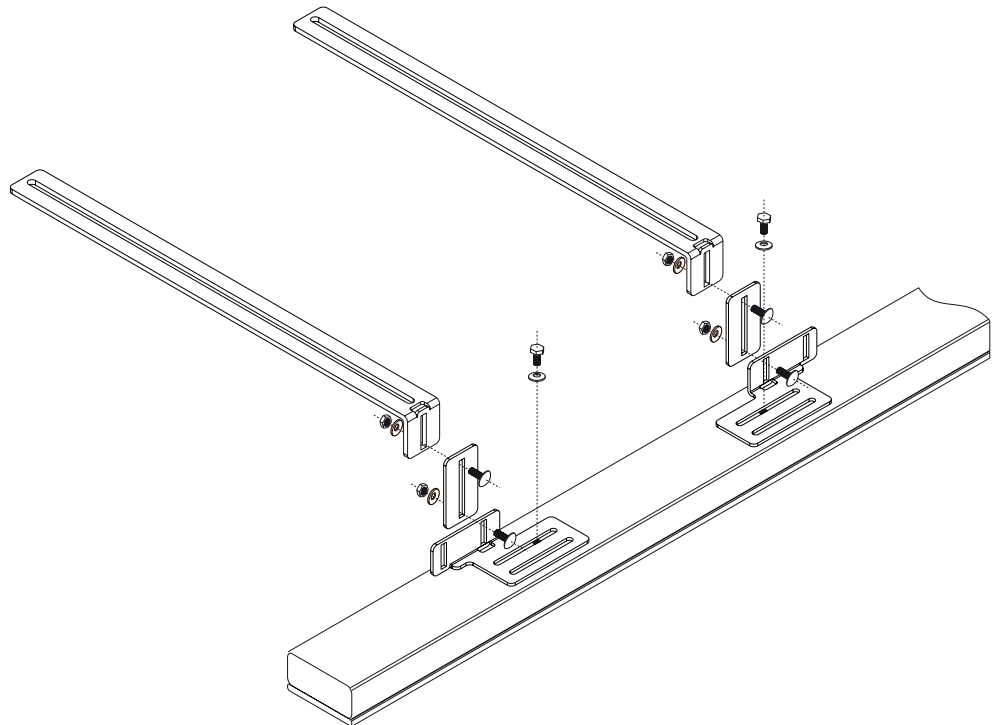
T-bracket directly on L-bracket, T-bracket symmetrical inward: The L-brackets can be mounted at an angle toward the front or rear, depending on the display depth.



## Variant F

For displays with a large depth.

Screw T-brackets with extensions to L-brackets to compensate for the distance.



## 7.4 WH 80 Wall mount Technical Data

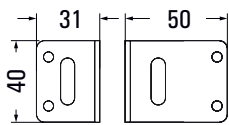
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The WH 80 wall mount is adjustable for a wall distance of 35 to 110 mm. (One pair is required per soundbar.)

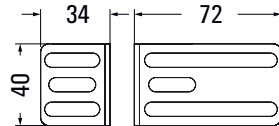
### Dimensions

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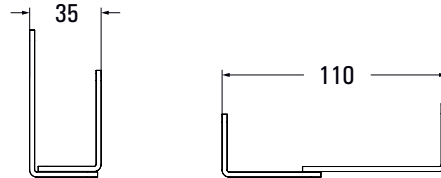
#### L-Bracket A



#### L-Bracket B

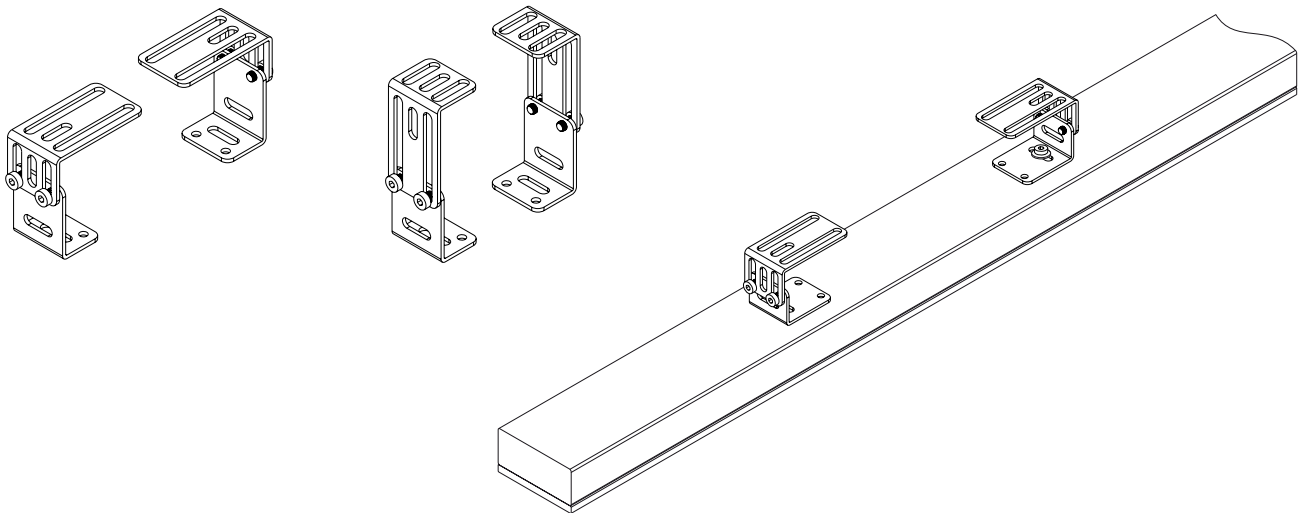


#### Wall distance 35 – 110 mm



## 7.5 WH 80 Wall mount Installation

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The L-brackets A are attached to the rear of the speaker using the screws provided. (Hexagon socket screws M 6 × 16 + Belleville washers)

The L-brackets B are attached to the wall and then screwed to the L-brackets A. (Hexagon socket screws M 6 × 10 + Belleville washers)

The speakers can also be mounted at a slight angle if required.

## 8. Model overview Display speakers

Models/ Customized Versions	Principle	Components	Frequency range	Amplifier output/ Impedance/Power RMS	Sensitivity	Dimensions	Weight	Fastening points	Connectors	Mains connection	Power supply
<b>DL-A 2.0 DSC Standard</b>  <b>DL-A 2.0 DSC-900</b> <b>DL-A 2.0 DSC-1200</b> <b>DL-A 2.0 DSC-1600</b>	Active stereo speaker pair, class-D amplifier, DSP	2 × 2.5" full-range drivers + 2 × 2.5" woofers + 4 × 2.5" passive radiators	55 Hz – 20 kHz	2 × 50 W	max. 109 dB (1 W/1m)	80 × 700 × 48 mm (per speaker)  Height 600 - 900 mm Height 900 - 1200 mm Height 1200 - 1600 mm	5 kg (pair)	Threaded inserts 2 × M 6 at rear (per speaker)	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch	90 – 240 VAC	External power supply 24 VDC
<b>DL-A 2.0 DSC DANTE Standard</b>  <b>DL-A 2.0 DSC-900 DANTE</b> <b>DL-A 2.0 DSC-1200 DANTE</b> <b>DL-A 2.0 DSC-1600 DANTE</b>	Active stereo speaker pair, class-D amplifier, DSP and DANTE	2 × 2.5" + 2 × 2.5" woofers + 4 × 2.5" passive radiators	55 Hz – 20 kHz	2 × 50 W	max. 109 dB (1 W/1m)	80 × 700 × 48 mm (per speaker)  Height 600 - 900 mm Height 900 - 1200 mm Height 1200 - 1600 mm	5 kg (pair)	Threaded inserts 2 × M 6 at rear (per speaker)	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch, Ethernet jack for DANTE	90 – 240 VAC	External power supply 24 VDC
<b>DL-A 2.2 DSC Standard</b>  <b>DL-A 2.2 DSC-900</b> <b>DL-A 2.2 DSC-1200</b> <b>DL-A 2.2 DSC-1600</b>	Active stereo speaker pair, class-D amplifier, DSP, Subwoofer	2 × 2.5" full-range drivers + 6 × 2.5" woofers + 6 × 2.5" passive radiators	42 Hz – 20 kHz	2 × 50 W + 2 × 100 W	max. 112 dB (1 W/1m)	80 × 700 × 103 mm (per speaker)  Height 600 - 900 mm Height 900 - 1200 mm Height 1200 - 1600 mm	6,2 kg (pair)	Threaded inserts 2 × M 6 at rear (per speaker))	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch	90 – 240 VAC	External power supply 24 VDC
<b>DL-A 2.2 DSC DANTE Standard</b>  <b>DL-A 2.2 DSC-900 DANTE</b> <b>DL-A 2.2 DSC-1200 DANTE</b> <b>DL-A 2.2 DSC-1600 DANTE</b>	Active stereo speaker pair, class-D amplifier, DSP and DANTE, Subwoofer	2 × 2.5" full-range drivers + 6 × 2.5" woofers + 6 × 2.5" passive radiators	42 Hz – 20 kHz	2 × 50 W + 2 × 100 W	max. 112 dB (1 W/1m)	80 × 700 × 103 mm (per speaker)  Height 600 - 900 mm Height 900 - 1200 mm Height 1200 - 1600 mm	6,2 kg (pair)	Threaded inserts 2 × M 6 at rear (per speaker)	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch, Ethernet jack for DANTE	90 – 240 VAC	External power supply 24 VDC

## 8. Model overview Soundbars

Models/ Customized Versions	Principle	Components	Frequency range	Amplifier output/ Impedance/Power RMS	Sensitivity	Dimensions	Weight	Fastening points	Connectors	Mains connection	Power supply
<b>SB-A 2.0 DSC Standard</b>  <b>SB-A 2.0 DSC-1200</b> <b>SB-A 2.0 DSC-1600</b> <b>SB-A 2.0 DSC-2000</b> <b>SB-A 2.0 DSC-2500</b>	Active stereo soundbar with DSP	2 × 2,5" full-range drivers + 2 × 2,5" woofers + 4 × 2,5" passive radiators (from 1200 mm 4 × 2,5" passive radiators)	55 Hz – 20 kHz	2 × 50 W	max. 109 dB (1 W/1m)	960 × 80 × 48 mm  Width 960 - 1200 mm Width 1200 - 1600 mm Width 1600 - 2000 mm Width 2000 - 2500 mm	4,5 kg	Threaded inserts 4 × M 6 at rear	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch	90 – 240 VAC	External power supply 24 VDC
<b>SB-A 2.0 DSC DANTE Standard</b>  <b>SB-A 2.0 DSC-1200 DANTE</b> <b>SB-A 2.0 DSC-1600 DANTE</b> <b>SB-A 2.0 DSC-2000 DANTE</b> <b>SB-A 2.0 DSC-2500 DANTE</b>	Active stereo soundbar with DSP and DANTE	2 × 2,5" full-range drivers + 2 × 2,5" woofers + 4 × 2,5" passive radiators (from 1200 mm 4 × 2,5" passive radiators)	55 Hz – 20 kHz	2 × 50 W	max. 109 dB (1 W/1m)	960 × 80 × 48 mm  Width 960 - 1200 mm Width 1200 - 1600 mm Width 1600 - 2000 mm Width 2000 - 2500 mm	4,5 kg	Threaded inserts 4 × M 6 at rear	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch. Ethernet jack for DANTE	90 – 240 VAC	External power supply 24 VDC
<b>SB-A 2.0 DSC CAM+ Standard</b>  <b>SB-A 2.0 DSC CAM+ -1200</b> <b>SB-A 2.0 DSC CAM+ -1600</b> <b>SB-A 2.0 DSC CAM+ -2000</b>	Active stereo soundbar with DSP, integrated Camera + Microphone Array	2 × 2,5" full-range drivers + 2 × 2,5" woofers + 3 × 2,5" passive radiators (from 1200 mm 4 × 2,5" passive radiators)	55 Hz – 20 kHz	2 × 50 W	max. 109 dB (1 W/1m)	960 × 80 × 48 mm  Width 960 - 1200 mm Width 1200 - 1600 mm Width 1600 - 2000 mm	5 kg	Threaded inserts 4 × M 6 at rear	Camera + Mic: USB 3 incl. 2 m cable, Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch	90 – 240 VAC	External power supply 24 VDC
<b>SB-A 2.0 DSC CAM+ DANTE Standard</b>  <b>SB-A 2.0 DSC CAM+ -1200 DANTE</b> <b>SB-A 2.0 DSC CAM+ -1600 DANTE</b> <b>SB-A 2.0 DSC CAM+ -2000 DANTE</b>	Active stereo soundbar with DSP, integrated Camera + Microphone Array and DANTE	2 × 2,5" full-range drivers + 2 × 2,5" woofers + 3 × 2,5" passive radiators (from 1200 mm 4 × 2,5" passive radiators)	55 Hz – 20 kHz	2 × 50 W	max. 109 dB (1 W/1m)	960 × 80 × 48 mm  Width 960 - 1200 mm  Width 1200 - 1600 mm  Width 1600 - 2000 mm	5 kg	Threaded inserts 4 × M 6 at rear	Camera + Mic: USB 3 incl. 2 m cable, Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch. Ethernet jack for DANTE	90 – 240 VAC	External power supply 24 VDC
<b>SB-A 2.2 DSC Standard</b>  <b>SB-A 2.2 DSC-1600</b> <b>SB-A 2.2 DSC-2000</b> <b>SB-A 2.2 DSC-2500</b>	Active stereo soundbar with DSP, Subwoofer	2 × 2,5" Breitband + 5 × 2,5" Bass + 5 × 2,5" Passiv-Membranen (ab 1600 mm Breite 6 × 2,5" Bass und 6 × 2,5" Passiv-Membranen)	42 Hz – 20 kHz	2 × 50 W + 2 × 100 W	max. 112 dB (1 W/1m)	1200 × 80 × 103 mm  Width 1200 - 1600 mm Width 1600 - 2000 mm Width 2000 - 2500 mm	5,7 kg	Threaded inserts 6 × M 6 at rear	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch	90 – 240 VAC	External power supply 24 VDC
<b>SB-A 2.2 DSC DANTE Standard</b>  <b>SB-A 2.2 DSC-1600 DANTE</b> <b>SB-A 2.2 DSC-2000 DANTE</b> <b>SB-A 2.2 DSC-2500 DANTE</b>	Active stereo soundbar with DSP and DANTE, Subwoofer	2 × 2,5" Breitband + 5 × 2,5" Bass + 5 × 2,5" Passiv-Membranen (ab 1600 mm Breite 6 × 2,5" Bass und 6 × 2,5" Passiv-Membranen)	42 Hz – 20 kHz	2 × 50 W + 2 × 100 W	max. 112 dB (1 W/1m)	1200 × 80 × 103 mm  Width 1200 - 1600 mm Width 1600 - 2000 mm Width 2000 - 2500 mm	5,7 kg	Threaded inserts 6 × M 6 at rear	Line In Stereo, symmetrical and Cinch, optical SPDIF input, Ethernet jack RJ45, external power supply, input cable mini jack 3.5 mm to Cinch. Ethernet jack for DANTE	90 – 240 VAC	External power supply 24 VDC

# CE Declaration of Conformity

**Manufacturer** LB Lautsprecher und Beschallungstechnik GmbH  
Kapellenstr. 10  
D-85622 Feldkirchen / Munich / Germany

**Declares that the product** Display Speakers

**Product name** DL-A 2.0 DSC, all versions  
DL-A 2.2 DSC, all versions  
DL-A 2.4 DSC AIArray, all versions  
DLX-A 2.8 AIArray DANTE, all versions

to which this declaration relates, is in conformity with the following directives and standard(s):

Directive 2014/35/ EC	Low Voltage Directive
Directive 2014/30/ EC (11/09/2018)	Electromag. compatibility
Directive 93/68/ EC (12/08/1998)	CE marking
Directive 2011/65/ EC (01/01/2025)	Rohs Directive
European standard	
EN 55032	
EN 55035	
EN 62368-1	
EN 61000-3-2	
EN 61000-3-3	

Munich, 20.10.2025



Wolfram Hacklinger  
Chief executive officer



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