



Lautsprecher und
Beschallungstechnik

PRODUCTS 2026

pure listening 

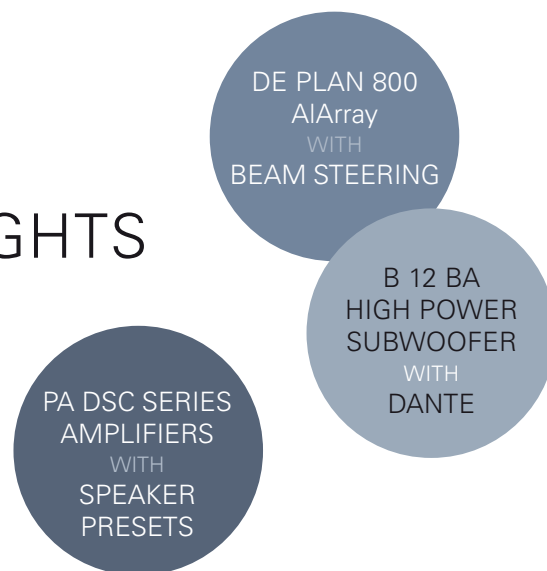
LB LAUTSPRECHER – AUDIO COMPONENTS MADE IN MUNICH

What has inspired our work for more than 30 years is an enthusiasm for acoustics. Our aim is to transform music and speech into a spatially precise sound experience of the highest quality. We develop uncompromising loudspeakers with a puristic design and the utmost functionality. In combination with our intelligent amplifiers and the LB CONTROL App, we offer perfectly matched audio systems with maximum performance. Every project presents its own unique set of challenges – and its own unique answers from your LB team.



PRODUCTS 2026

NEW HIGHLIGHTS



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DE SERIES IN-WALL / IN-CEILING SPEAKERS

NEXT GENERATION Our **DE series** sets new standards in high-end, in-wall/in-ceiling sound systems and feature an elegant and slim installation frame. Compact dimensions and perfect acoustics are just some of the highlights of this new series. The installation height of the sophisticated steel installation frame of our round, square, and rectangular models is just 1.2 mm while the ultra-compact design means that only a minimum amount of installation space is required in ceilings and walls. Thanks to the modular concept comprising an installation frame, speaker unit, and magnetic front grille, the speakers can be installed flexibly and securely in any type of ceiling or wall.

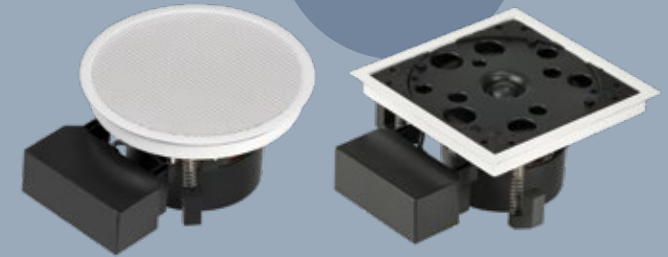
Depending on requirements and room/situation, the various models in the DE series can be combined to create impressive and visually harmonious sound systems.

The models with optimized Polar® technology are designed for exceptionally consistent sound transmission from the in-ceiling sound system, even with just a few speakers. They offer a dispersion angle of 180°.

The models in the CD and FR series feature targeted dispersion and are especially suitable as front speakers in AV systems and conference spaces.

- **Elegant steel frames**
- **Installation height of just 1.2 mm**
- **Flexible assembly with clamps**
- **A variety of dispersion characteristics**
- **Optimized Polar® technology**

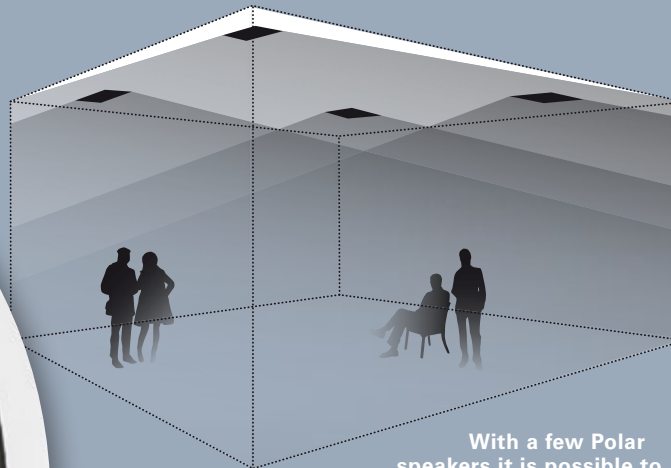
ULTRA-COMPACT STRUCTURE



DE 300 FR In-Ceiling Front Speakers with Beam Direction -35° downwards

To ensure natural reproduction and perfect acoustic dispersion, we have further optimized our new generation of patented coaxial drivers that feature **Polar® technology**.

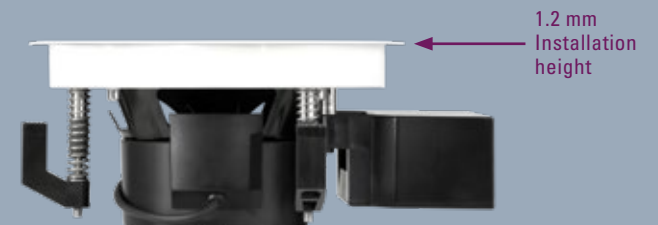
SLIM DESIGN



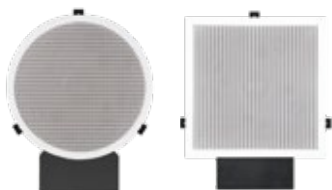
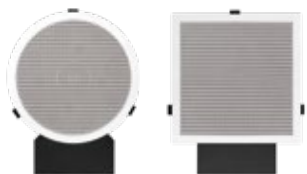
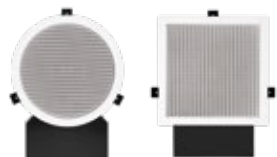
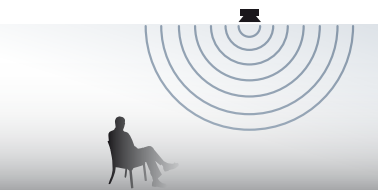
With a few Polar speakers it is possible to homogeneously fill a room with sound.



Clientis Bank Oberuzwil CH
In-ceiling sound system with DE Series speakers



1.2 mm
Installation
height



Polar® Speakers Uncompromising two-way speakers with patented Polar® technology for extremely broad and even sound dispersion (180°). With Polar speakers it is possible to homogenously fill rooms with sound employing considerably fewer systems and greater speaker distances.

Polar In-Ceiling Speakers with 180° Dispersion Angle

		Model	Order no.
DE 140 Polar	2-way hifi in-ceiling speaker with Polar technology Power capacity RMS/program 30 / 60 watts, 8 ohms Overall diameter 144 mm, cutout diameter 128 mm, mounting depth 83 mm	DE 140 Polar White DE 140 Polar Black	0102-0013 0102-0009
DE 140 T Polar	100 V version, power 7.5/15/30 watts	DE 140 T Polar White DE 140 T Polar Black	0102-0014 0102-0010
DE 140 Q Polar	Square, otherwise like DE 140 Polar Dimensions 144 x 144 mm, cutout size 128 x 128 mm, mounting depth 83 mm	DE 140 Q Polar White DE 140 Q Polar Black	0102-0015 0102-0011
DE 140 QT Polar	Square, 100 V version, power 7.5/15/30 watts	DE 140 QT Polar White DE 140 QT Polar Black	0102-0016 0102-0012
DE 170 Polar	2-way hifi in-ceiling speaker with Polar technology Power capacity RMS/program 40 / 80 watts, 8 ohms Overall diameter 174 mm, cutout diameter 158 mm, mounting depth 88 mm	DE 170 Polar White DE 170 Polar Black	0103-0013 0103-0009
DE 170 T Polar	100 V version, power 7.5/15/30 watts	DE 170 T Polar White DE 170 T Polar Black	0103-0014 0103-0010
DE 170 Q Polar	Square, otherwise like DE 170 Polar Dimensions 174 x 174 mm, cutout size 158 x 158 mm, mounting depth 88 mm	DE 170 Q Polar White DE 170 Q Polar Black	0103-0015 0103-0011
DE 170 QT Polar	Square, 100 V version, power 7.5/15/30 watts	DE 170 QT Polar White DE 170 QT Polar Black	0103-0016 0103-0012
DE 200 Polar	2-way hifi in-ceiling speaker with Polar technology Power capacity RMS/program 60 / 120 watts, 8 ohms, overall diameter 192 mm Cutout diameter 176 mm, mounting depth 100 mm	DE 200 Polar White DE 200 Polar Black	0104-0053 0104-0037
DE 200 T Polar	100 V version, power 7.5/15/30 watts	DE 200 T Polar White DE 200 T Polar Black	0104-0054 0104-0038
DE 200 Q Polar	Square, otherwise like DE 200 Polar Dimensions 192 x 192 mm, cutout size 176 x 176 mm, mounting depth 100 mm	DE 200 Q Polar White DE 200 Q Polar Black	0104-0055 0104-0039
DE 200 QT Polar	Square, 100 V version, power 7.5/15/30 watts	DE 200 QT Polar White DE 200 QT Polar Black	0104-0056 0104-0040



Polar In-Ceiling Speakers with 180° Dispersion Angle

DE 300 R Polar 3-way in-ceiling speaker with Polar technology
Power capacity RMS/program 120/240 watts, 4 ohms
Dimensions 358 x 192 mm, cutout size 342 x 176 mm, mounting depth 100 mm



Model Order no.

DE 300 R Polar White 0105-0001
DE 300 R Polar Black 0105-0009



The models **DE 200 CD** and **DE 300 CDR** are high-performance two-way in-wall speakers with a defined dispersion angle of 80°. They are employed as front speakers (L, R, center) for home-audio systems and media rooms. A tweeter with waveguide ensures controlled sound radiation with CD characteristics (Constant Directivity).

In-Wall Speakers with Narrow Dispersion Angle (80°)

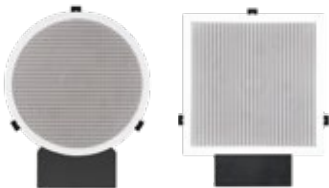
DE 200 CD In-Wall Speakers
80° dispersion angle, power capacity RMS/program 60/120 watts, 8 ohms
Overall diameter 192 mm, cutout diameter 176 mm, mounting depth 100 mm

DE 200 CDQ Square, otherwise like DE 200 CD
Dimensions 192 x 192 mm, cutout size 176 x 176 mm, mounting depth 100 mm

Model

DE 200 CD White 0104-0061
DE 200 CD Black 0104-0045

DE 200 CDQ White 0104-0062
DE 200 CDQ Black 0104-0046



DE 300 CDR 3-way in-wall speaker with CD characteristics
80° dispersion angle, power capacity RMS/program 120/240 watts, 4 ohms
Dimensions 358 x 192 mm, cutout size 342 x 176 mm, mounting depth 100 mm

DE 300 CDR White 0105-0003
DE 300 CDR Black 0105-0010



The model **DE 300 FR** is a powerful front speaker for in-ceiling installation which radiates 35° downwards. It was specially developed for employment as front speaker (L, R, center) without impairing the field of view in home-cinema applications and media rooms.

In-Ceiling Front Speakers

DE 300 FR 3-way in-ceiling front speaker, beam direction-35° downwards
Power capacity RMS/program 80/160 watts, 4 ohms
Dimensions 358 x 192 mm, cutout size 342 x 176 mm, mounting depth 150 mm

Model

Order no.

DE 300 FR White
DE 300 FR Black

0105-0005
0105-0011

In-Ceiling Subwoofers

DE 300 SUB In-ceiling subwoofer with integrated crossover
Power capacity RMS/program 120 / 240 watts
Impedance 4 ohms, dimensions 358 x 192 mm
Cutout size 342 x 176 mm, mounting depth 100 mm

DE 300 SUB White
DE 300 SUB Black

0105-0013
0105-0012

Only for use with our back boxes EG 300 or EGB 300

Small In-Wall / In-Ceiling Speakers

DE 100 High-quality miniature full-range speaker with electronic equalization.
Power capacity RMS/program 20/40 watts, impedance 8 ohms
Overall diameter 102 mm, cutout diameter 96 mm, mounting depth 55 mm

DE 100 White
DE 100 Black

0101-0001
0101-0009

DE 100 T 100 V version, power 2.5/5/10 watts

DE 100 T White
DE 100 T Black

0101-0003
0101-0010

DE 100 Q Square, otherwise like DE 100
Dimensions 102 x 102 mm, cutout size 96 x 96 mm, mounting depth 55 mm

DE 100 Q White
DE 100 Q Black

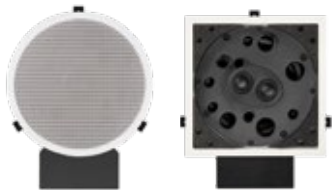
0101-0005
0101-0011

DE 100 QT Square, 100 V version, power 2.5/5/10 watts

DE 100 QT White
DE 100 QT Black

0101-0007
0101-0012





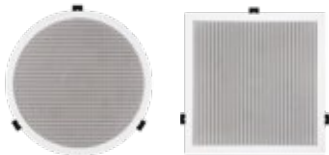
In-Ceiling Stereo Speakers

DE 200 ST Polar	Stereo 2-way in-ceiling speaker with Polar technology Power capacity RMS/program 2 x 40 / 80 watts Impedance 2 x 8 ohms, overall diameter 192 mm Cutout diameter 176 mm, mounting depth 100 mm
DE 200 STQ Polar	Square, otherwise like DE 200 ST Polar Dimensions 192 x 192 mm, cutout size 176 x 176 mm Mounting depth 100 mm

Model	Order no.
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DE 200 ST Polar White	0104-0063
DE 200 ST Polar Black	0104-0047
DE 200 STQ Polar White	0104-0064
DE 200 STQ Polar Black	0104-0048

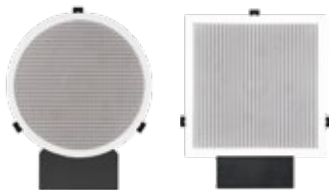
In-Ceiling Speakers with Reduced Mounting Depth



DE 200 LP	2-way system with reduced mounting depth Power capacity RMS/program 40 / 80 watts, 8 ohms Overall diameter 192 mm, cutout diameter 176 mm, mounting depth 48 mm
DE 200 LPT	100 V version, power 7.5/15/30 watts
DE 200 LPQ	Square, otherwise like DE 200 LP Dimensions 192 x 192 mm, cutout size 176 x 176 mm, mounting depth 48 mm
DE 200 LPQT	Square, 100 V version, power 7.5/15/30 watts

DE 200 LP White	0104-0065
DE 200 LP Black	0104-0049
DE 200 LPT White	0104-0066
DE 200 LPT Black	0104-0050
DE 200 LPQ White	0104-0067
DE 200 LPQ Black	0104-0051
DE 200 LPQT White	0104-0068
DE 200 LPQT Black	0104-0052

In-Ceiling Speakers with 180° Dispersion and very high efficiency



DE 200 HSP Polar	2-way in-ceiling speaker with Polar technology and high sound pressure Power capacity RMS/program 60 / 120 watts, 8 ohms Overall diameter 192 mm, cutout diameter 176 mm, mounting depth 102 mm
DE 200 HSPT Polar	100 V version, power 7.5/15/30 watts
DE 200 HSPQ Polar	Square, otherwise like DE 200 HSP Polar Dimensions 192 x 192 mm, cutout size 176 x 176 mm, mounting depth 102 mm
DE 200 HSPQT Polar	Square, 100 V version, power 7.5/15/30 watts

DE 200 HSP Polar White	0104-0057
DE 200 HSP Polar Black	0104-0041
DE 200 HSPT Polar White	0104-0058
DE 200 HSPT Polar Black	0104-0042
DE 200 HSPQ Polar White	0104-0059
DE 200 HSPQ Polar Black	0104-0043
DE 200 HSPQT Polar White	0104-0060
DE 200 HSPQT Polar Black	0104-0044





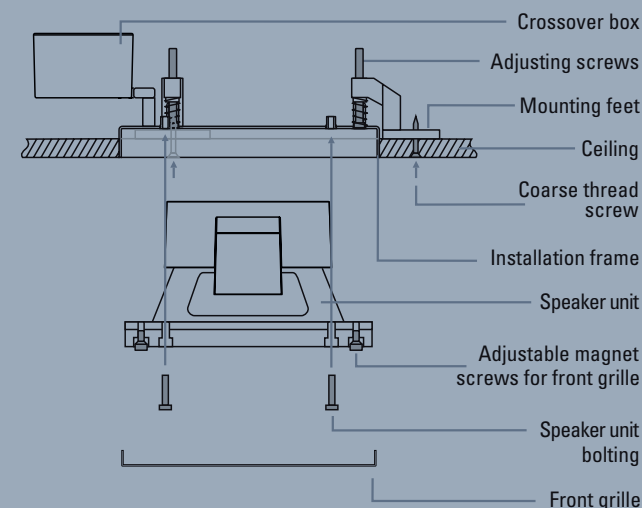
DE-X SERIES TRIMLESS IN-WALL/ IN-CEILING SPEAKERS

Our trimless speakers of the **DE-X series** are high-end speakers for flush mounting in ceilings and walls.

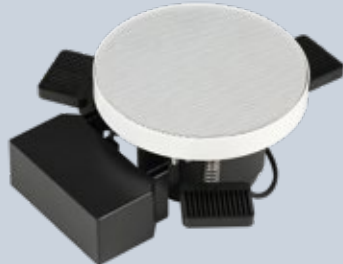
The minimalist appearance and compact dimensions of the round, square, and rectangular models of the DE-X series allow sound concepts of outstanding audio quality to be implemented with minimum interference with interior design. Depending on requirements and on room/ situation, the various speaker models in the DE-X series can be combined to create impressive and visually harmonious sound systems.

The models with optimized Polar® technology are designed for exceptionally homogenous sound distribution even with just a few ceiling speakers, even with just a few speakers. They offer a dispersion angle of 180°. The models in the CD and FR series feature targeted dispersion and are especially suitable as front speakers in AV systems and conference spaces.

- **Trimless with flush mounting**
- **Minimal dimensions**
- **Ultra-compact structure**
- **Maximum flexibility during installation**
- **A variety of dispersion characteristics**
- **Optimized Polar® technology**



The speakers of the DE-X Series are flush mounted in walls and ceilings. After installation only the flush-mounted front grilles are visible.

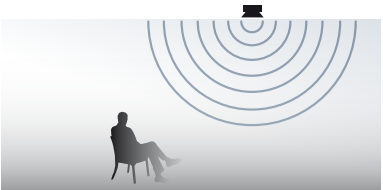


ULTRA-
COMPACT
STRUCTURE

Different designs and dispersion characteristics give you the scope you need when planning ambitious sound concepts.

Private mansion, France
Trimless speakers in
concrete ceiling





Polar® Speakers Uncompromising two-way speakers with patented Polar® technology for extremely broad and even sound dispersion (180°). With Polar speakers it is possible to homogenously fill rooms with sound employing considerably fewer systems and greater speaker distances.

Trimless Polar In-Ceiling Speakers with 180° Dispersion

Model Order no.



DE-X 140 Polar Trimless 2-way hifi in-ceiling speaker with Polar technology
Power capacity RMS/program 30 / 60 watts, 8 ohms
Overall diameter (grille) 122 mm, cutout diameter 128 mm, mounting depth 84 mm

DE-X 140 Polar White 0320-0001

DE-X 140 T Polar 100 V version, power 7.5/15/30 watts

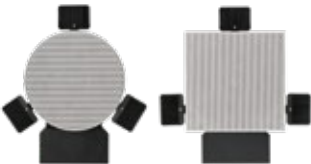
DE-X 140 T Polar White 0320-0002

DE-X 140 Q Polar Square, otherwise like DE-X 140 Polar
Grille 122 x 122 mm, cutout size 128 x 128 mm, mounting depth 84 mm

DE-X 140 Q Polar White 0320-0003

DE-X 140 QT Polar Square, 100 V version, power 7.5/15/30 watts

DE-X 140 QT Polar White 0320-0004



DE-X 170 Polar 2-way hifi in-ceiling speaker with Polar technology
Power capacity RMS/program 40 / 80 watts, 8 ohms
Overall diameter (grille) 152 mm, cutout diameter 158 mm, mounting depth 88 mm

DE-X 170 Polar White 0330-0001

DE-X 170 T Polar 100 V version, power 7.5/15/30 watts

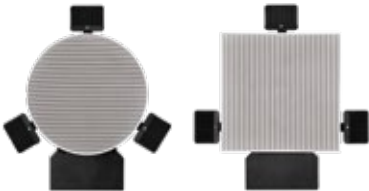
DE-X 170 T Polar White 0330-0002

DE-X 170 Q Polar Square, otherwise like DE-X 170 Polar
Grille 152 x 152 mm, cutout size 158 x 158 mm, mounting depth 88 mm

DE-X 170 Q Polar White 0330-0003

DE-X 170 QT Polar Square, 100 V version, power 7.5/15/30 watts

DE-X 170 QT Polar White 0330-0004



DE-X 200 Polar Trimless 2-way hifi in-ceiling speaker with Polar technology
Power capacity RMS/program 60/120 watts, 8 ohms
Overall diameter (grille) 170 mm, cutout diameter 176 mm, mounting depth 100 mm

DE-X 200 Polar White 0340-0001

DE-X 200 T Polar 100 V version, power 7.5/15/30 watts

DE-X 200 T Polar White 0340-0002

DE-X 200 Q Polar Square, otherwise like DE-X 200 Polar
Grille 170 x 170 mm, cutout size 176 x 176 mm, mounting depth 100 mm

DE-X 200 Q Polar White 0340-0003

DE-X 200 QT Polar Square, 100 V version, power 7.5/15/30 watts

DE-X 200 QT Polar White 0340-0004



Trimless Polar In-Ceiling Speakers with 180° Dispersion

DE-X 300 R Polar Trimless 3-way in-ceiling speaker with Polar technology
Power capacity RMS/program 120 / 240 watts, 4 ohms
Grille 336 x 170 mm, cutout size 342 x 176 mm, mounting depth 100 mm

Model

Order no.

DE-X 300 R Polar White

0350-0001



The models **DE-X 200 CD** and **DE-X 300 CDR** are trimless high-performance two-way in-wall speakers with a defined dispersion angle of 80°. They are employed as front speakers (L, R, center) for home-audio systems and media rooms. A tweeter waveguide ensures controlled sound radiation with CD characteristics (Constant Directivity).

Trimless In-Wall Speakers with Narrow Dispersion Angle (80°)

DE-X 200 CD Trimless 2-way in-wall speaker with CD characteristics, 80° dispersion angle
Power capacity RMS/program 60 / 120 watts, 8 ohms
Overall diameter (grille) 170 mm, cutout diameter 176 mm, mounting depth 100 mm

DE-X 200 CD White

0340-0017

DE-X 200 CDQ Square, otherwise like DE-X 200 CD
Grille 170 x 170 mm, cutout size 176 x 176 mm, mounting depth 100 mm

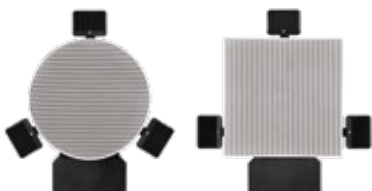
DE-X 200 CDQ White

0340-0018

DE-X 300 CDR Trimless 3-way in-wall speaker with CD characteristics, 80° dispersion angle
Power capacity RMS/program 120/240 watts, 4 ohms
Grille 336x170 mm, Cutout size 342x176 mm, mounting depth 100 mm

DE-X 300 CDR White

0350-0004





The model **DE-X 300 FR** is a powerful front speaker for in-ceiling installation which radiates 35° downwards. It was specially developed for employment as front speaker (L, R, center) without impairing the field of view in home-cinema applications and media rooms.



Trimless In-Ceiling Front Speaker with Beam Direction 35° Downwards

Model Order no.

DE-X 300 FR Trimless 3-way in-ceiling front speake, beam direction-35° downwards
Power capacity RMS/program 80 / 160 watts, 4 ohms
Grille 336 x 170 mm, cutout size 342 x 176 mm, mounting depth 150 mm

DE-X 300 FR White 0350-0002

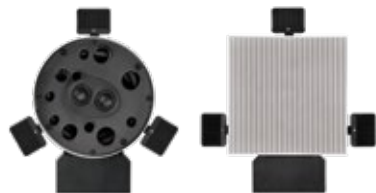


Trimless In-Ceiling Subwoofer

DE-X 300 SUB Trimless in-ceiling subwoofer with integrated crossover
Power capacity RMS/program 120 / 240 watts, 4 ohms
Grille 336 x 170 mm, cutout size 342 x 176 mm, mounting depth 100 mm

DE-X 300 SUB White 0350-0003

Only for use with our back boxes EG 300 or EGB 300



Trimless Polar In-Ceiling Stereo Speakers

DE-X 200 ST Polar Trimless stereo-2-way in-ceiling speaker with Polar technology
Power capacity RMS/program 2 x 40 / 80 watts, 2 x 8 ohms
Overall diameter (grille) 170 mm, cutout diameter 176 mm, mounting depth 100 m

DE-X 200 ST Polar White 0340-0015

DE-X 200 STQ Polar Square, otherwise like DE-X 200 ST Polar
Grille 170 mm, cutout size 176 x 176 mm, mounting depth 100 mm

DE-X 200 STQ Polar White 0340-0016



Trimless In-Ceiling Speakers with Reduced Mounting Depth (48 mm)

Model

Order no.

DE-X 200 LP 2-way system with reduced mounting depth, power capacity RMS/program 40 / 80 watts
8 ohms, overall diameter (grille) 170 mm, cutout diameter 176 mm, mounting depth 48 mm

DE-X 200 LP White

0340-0011

DE-X 200 LPT 100 V version, power 7.5/15/30 watts

DE-X 200 LPT White

0340-0012

DE-X 200 LPQ Square, otherwise like DE-X 200 LP
Grille 170 x 170 mm, cutout size 176 x 176 mm, mounting depth 48 mm

DE-X 200 LPQ White

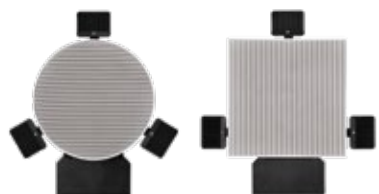
0340-0013

DE-X 200 LPQT Square, 100 V version, power 7.5/15/30 watts

DE-X 200 LPQT White

0340-0014

Trimless Polar In-Ceiling Speakers with 180° Dispersion and very high efficiency



DE-X 200 HSP Polar Trimless 2-way high-end in-ceiling speaker with Polar technology and high sound pressure
Power capacity RMS/program 60/120 watts, 8 ohms
Overall diameter (grille) 170 mm, cutout diameter 176 mm, mounting depth 102 mm

DE-X 200 HSP Polar White

0340-0007

DE-X 200 HSPT Polar 100 V version, power 7.5/15/30 watts

DE-X 200 HSPT Polar White

0340-0008

DE-X 200 HSPQ Polar Square, otherwise like DE-X 200 HSP Polar
Grille 170 x 170 mm, cutout size 176 x 176 mm, mounting depth 102 mm

DE-X 200 HSPQ Polar White

0340-0009

DE-X 200 HSPQT Polar Square, 100 V version, power 7.5/15/30 watts

DE-X 200 HSPQT Polar White

0340-0010





Accessories

DE-X-Tool Magnetic holder for effortless removal of the DE and DE-X grille

Model

DE-X-Tool

Order no.

0360-0001

Back Boxes for DE and DE-X

EG 100	Back box for DE 100, synthetic material, dimensions 200x200x100 mm	EG 100	2101-0001
EG 140	Back box for DE 140 and DE-X 140, synthetic material, dimensions 270x250x100 mm	EG 140	2201-0001
EG 140 Q	Back box for DE 140 Q and DE-X 140 Q, synthetic material, dimensions 270x250x100 mm	EG 140 Q	2202-0001
EG 170	Back box for DE 170 and DE-X 170, synthetic material, dimensions 300x250x120 mm	EG 170	2218-0001
EG 170 Q	Back box for DE 170 Q and DE-X 170 Q, synthetic material, dimensions 300x250x120 mm	EG 170 Q	2219-0001
EG 200	Back box for DE 200 and DE-X 200, synthetic material, dimensions 350x300x120 mm	EG 200	2203-0001
EG 200 Q	Back box for DE 200 Q and DE-X 200 Q, synthetic material, dimensions 350x300x120 mm	EG 200 Q	2204-0001
EG 300	Back box for DE 300 R Polar, CDR, SUB and DE-X 300 R Polar, CDR, SUB Synthetic material, dimensions 500x350x140 mm	EG 300	2205-0001
EG 300 FR	Back box for DE 300 FR and DE-X 300 FR Synthetic material, dimensions 500x350x180 mm	EG 300 FR	2206-0001

Back Boxes for DE and DE-X for Concrete Ceilings

EGB 170	Back box for concrete ceilings for DE 170 and DE-X 170 Synthetic material, dimensions 300x250x144 mm, incl. rigid foam spacer	EGB 170	2220-0001
EGB 170 Q	Back box for concrete ceilings for DE 170 Q and DE-X 170 Q Synthetic material, dimensions 300x250x144 mm, incl. rigid foam spacer	EGB 170 Q	2221-0001
EGB 200	Back box for concrete ceilings for DE 200 and DE-X 200 Synthetic material, dimensions 350x300x144 mm, incl. rigid foam spacer	EGB 200	2209-0001
EGB 200 Q	Back box for concrete ceilings for DE 200 Q and DE-X 200 Q Synthetic material, dimensions 350x300x144 mm, incl. rigid foam spacer	EGB 200 Q	2210-0001
EGB 300	Back box for concrete ceilings for DE 300 R Polar, CDR, SUB and DE-X 300 R Polar, CDR, SUB Synthetic material, dimensions 500x350x164 mm, incl. rigid foam spacer	EGB 300	2211-0001
EGB 300 FR	Back box for concrete ceilings for DE 300 FR and DE-X 300 FR Synthetic material, dimensions 500x350x204 mm, incl. rigid foam spacer	EGB 300 FR	2212-0001



DE PLAN SERIES INVISIBLE SPEAKERS

PUSHING THE LIMITS Our **DE Plan series** consolidates all of our experience since 1999 in developing invisible speakers, redefining what is technically possible with speakers of this kind. The combination of flat-membrane woofers, high-frequency exciters, and the latest generation of **de:shape®** membranes means maximum linearity and clean output in the low frequency range. As the entire membrane surface is used for homogenous sound dispersion, the dimensions of our DE Plan series are remarkably compact.

The mathematically calculated contour of the de:shape® membranes and the patented absorption elements prevent parasitic membrane resonances for unprecedented precision in sound reproduction.

Thanks to the optimized coupling between the drivers and dispersion membrane, the new models respond a lot less sensitively to deviations in covering material (plastering, lining, and paint). After installation, the speakers are completely concealed in ceilings and walls.

DEplan®

- Invisible
- Compact dimensions
- Flexible installation in all ceilings and walls
- Excellent low-frequency characteristics

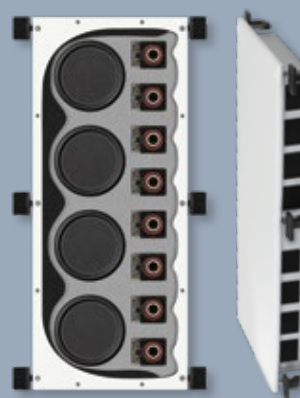


Private mansion, Mallorca
Invisible multi-room sound system with DE Plan speakers



Private mansion, Munich
Invisible DE Plan speakers
© Alexander Heisig, HiFi Concept Living

DE PLAN SERIES CONSTRUCTION AND MOUNTING IN DRYWALLS



alarray®
adapted line array

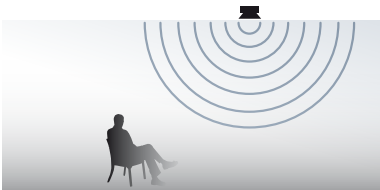
**LB
CONTROL
App**

Interface: Ethernet
Windows / Mac OS
Download
www.lb-lautsprecher.de

INVISIBLE LINE ARRAY WITH BEAM STEERING

The **DE Plan 800 AlArray** is an invisible 4-channel line array driven by our multi-channel DSP amplifiers. The dispersion characteristics can be set and simulated using the **LB CONTROL App**.

DEplan®

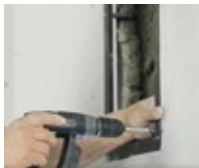


DE Plan transducers have a dispersion angle of 180°. This broad omnidirectional behavior enables rooms to be evenly filled with sound using just a few systems. The speakers can be installed in ceilings as well as in walls.

de:shape®

Invisible In-Wall / In-Ceiling Speakers		Model	Order no.
	DE Plan 200	2-way planar transducer with wide dispersion angle (180°) Power capacity RMS/program 60 / 120 watts, Impedance 8 ohms Dimensions 300 x 240 mm, cutout size 304 x 244 mm, mounting depth 72 mm Incl. installation frame and kit	DE Plan 200 0401-0003
	DE Plan 200 T	100 V version, power 7.5/15/30 watts	DE Plan 200 T 0401-0004
	DE Plan 200 ST	2-way stereo planar transducer with wide dispersion angle (180°) Power capacity RMS/program 2 x 30 / 60 watts, impedance 2 x 8 ohms Dimensions 300 x 240 mm, cutout size 304 x 244 mm, mounting depth 72 mm Incl. installation frame and kit	DE Plan 200 ST 0404-0002
	DE Plan 400	2-way planar transducer with wide dispersion angle (180°) Power capacity RMS/program 120 / 240 watts, impedance 8 ohms Dimensions 420 x 300 mm, cutout size 424 x 304 mm, mounting depth 72 mm Incl. installation frame and kit	DE Plan 400 0402-0003
	DE Plan 400 T	100 V version, power 15/30/60 watts	DE Plan 400 T 0402-0004
	DE Plan 600	2-way planar transducer with wide dispersion angle (180°) Power capacity RMS/program 180 / 360 watts, impedance 6 ohms Dimensions 620 x 300 mm, cutout size 624 x 304 mm, mounting depth 72 mm Incl. assembly frame and kit	DE Plan 600 0403-0002

DE Plan installation – we will be happy to assist you! You can find the detailed installation instructions on www.lb-lautsprecher.de









Mark, cut out, bevel edges, smooth.

Insert frame and secure feet.

Remove frame.

Insert loudspeaker system, secure...

... and test functioning.

Adjust fastening screws, spatula smooth and polish.

Stretch out glas fiber fabric, smooth down and leave to dry.

Smooth finely with spatula two to three times and polish transitions.

Alternatively, the entire surface including the speakers can be concealed using painter's lining.

Finally paint over.



Invisible In-Wall / In-Ceiling Speaker with slim Design

DE Plan 500 S 2-way planar transducer with slim design and wide dispersion angle (180°)
Power capacity RMS/program 80 / 160 watts, impedance 8 ohms
Dimensions 540 x 140 mm, cutout size 544 x 144 mm, mounting depth 72 mm
Incl. installation frame and kit

Model

Order no.

DE Plan 500 S

0405-0001



Invisible 4-Channel Line-Array with Beam Steering

DE Plan 800 AIArray 4-channel planar transducer with adjustable beam direction
Power capacity RMS/program 4 x 60/120 watts, impedance 4 x 8 ohms
Dimensions 300 x 720 mm, cutout size 304 x 724 mm, mounting depth 72 mm
Incl. installation frame and connection adapter for amplifiers of the PA Series

DE Plan 800 AIArray

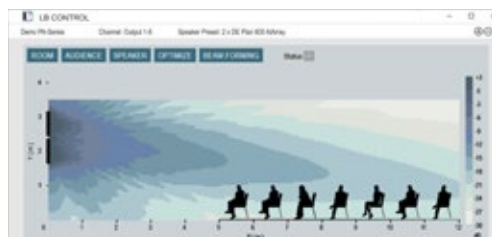
0409-0001

Only in combination with power amplifiers of the PA DSC Series and the LB CONTROL app

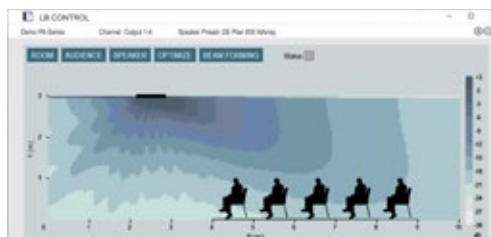
5G x 1,5 mm²
NEW 5-pole speaker cable for DE Plan 800 AIArray

5G x 1,5 mm²

0409-0011



2 x DE Plan 800 AIArray, in-wall installation with adjustable directivity



DE Plan 800 AIArray, in-ceiling installation with adjustable directivity

INVISIBLE LINE ARRAY WITH BEAM STEERING

The **DE Plan 800 AIArray** is an invisible 4-channel line array with adjustable beam direction (Beam Steering). It is installed in walls or ceilings and allows you to direct the sound towards the listening area. For even greater directivity, two DE Plan 800 AIArray units can be combined to create an 8-channel line array. It is powered by our PA Series multi-channel DSP amplifiers. Four amplifier channels are required per module. Our **LB CONTROL App** allows you to quickly configure and simulate the speakers according to room size and audience positioning. A 5-pole speaker cable is required for each speaker.



PA Series
DSP power amplifiers
for driving the passive
multi channel line
arrays starting on
page 49

**LB
CONTROL
App**

Interface: Ethernet
Windows / Mac OS
Download
www.lb-lautsprecher.de



array®
adapted line array

Invisible In-Wall / In-Ceiling Subwoofer



DE Plan 800 SUB Planar subwoofer with integrated crossover
Power capacity RMS/program 240 / 480 watts, impedance 4 ohms
Dimensions 720 x 300 mm, cutout size 724 x 304 mm, mounting depth 76 mm
Incl. installation frame and kit

DE Plan 800 SUB

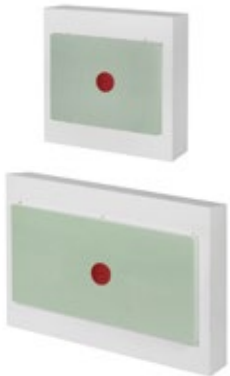
0408-0001

Only for use with our back boxes EG Plan 800 or EGB Plan 800



DE Plan Back Boxes

		Model	Order no.
EG Plan 200	Back box for DE Plan 200, synthetic material, dimensions 400x350x100 mm	EG Plan 200	2301-0001
EG Plan 400	Back box for DE Plan 400, synthetic material, dimensions 500x480x120 mm	EG Plan 400	2302-0001
EG Plan 500 S	Back box for DE Plan 500 S, synthetic material, dimensions 620 x 240 x 100 mm	EG Plan 500 S	2303-0001
EG Plan 600	Back box for DE Plan 600, synthetic material, dimensions 700x480x120 mm	EG Plan 600	2304-0001
EG Plan 800	Back box for DE Plan 800, synthetic material, dimensions 800x480x120 mm	EG Plan 800	2310-0001



DE Plan Back Boxes for Concrete Ceilings

EGB Plan 200	Back box for concrete ceilings for DE Plan 200 Synthetic material, dimensions 400x350x128 mm, incl. rigid foam spacer	EGB Plan 200	2305-0001
EGB Plan 400	Back box for concrete ceilings for DE Plan 400 Synthetic material, dimensions 500x480x148 mm, incl. rigid foam spacer	EGB Plan 400	2306-0001
EGB Plan 500 S	Back box for concrete ceilings for DE Plan 500 S Synthetic material, dimensions 620 x 240 x 128 mm, incl. rigid foam spacer	EGB Plan 500 S	2307-0001
EGB Plan 600	Back box for concrete ceilings for DE Plan 600, all versions Synthetic material, dimensions 700x480x148 mm, incl. rigid foam spacer	EGB Plan 600	2308-0001
EGB Plan 800	Back box for concrete ceilings for DE Plan 800, all versions Synthetic material, dimensions 800x480x148 mm, incl. rigid foam spacer	EGB Plan 800	2309-0001

DE Plan inside for Furniture Build-In

The special built-in versions of the **DE Plan inside® series** can be installed in furniture and wall panels. The speakers are back-mounted onto the front of furniture or panels made of wood, MDF or similar materials and directly resonate through these surfaces. They achieve high efficiency and offer a linear frequency response. For optimal performance and operational reliability, the DE Plan inside® series loudspeakers must be operated with our multi-channel **DSP amplifiers** and speaker presets.



Invisible Speakers for Furniture Build-In

		Model	Order no.
DE Plan 200 inside	2-way planar transducer with wide dispersion angle (180°) Power capacity RMS/program 60 / 120 watts, impedance 8 ohms Dimensions 300 x 240 mm, recess size 304 x 244 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 200 inside	0411-0001
DE Plan 200 ST inside	2-way stereo planar transducer with wide dispersion angle (180°) Power capacity RMS/program 2 x 30 / 60 watts, impedance 2 x 8 ohms Dimensions 300 x 240 mm, recess size 304 x 244 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 200 ST inside	0414-0001
DE Plan 400 inside	2-way planar transducer with wide dispersion angle (180°) Power capacity RMS/program 120 / 240 watts, impedance 8 ohms Dimensions 420 x 300 mm, recess size 424 x 304 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 400 inside	0412-0001
DE Plan 600 inside	2-way planar transducer with wide dispersion angle (180°) Power capacity RMS/program 160 / 320 watts, impedance 6 ohms Dimensions 620 x 300 mm, recess size 624 x 304 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 600 inside	0413-0001

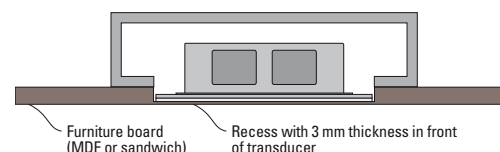
Invisible Speakers for Furniture Build-In with slim Design

DE Plan 500 S inside	2-way planar transducer with small construction and wide dispersion angle (180°) Power capacity RMS/program 80 / 160 watts, impedance 8 ohms Dimensions 540 x 140 mm, recess size 544 x 144 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 500 S inside	0415-0001
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DE plan[®]
inside

We recommend the use of our back boxes to avoid uncontrolled sound effects inside the furniture caused by the sound emission from the rear of the speaker.

DE Plan inside installation – we will be happy to assist you!



DE Plan inside in recessed mounting area



DE Plan inside behind veneered board

ib INSTALLATION SERIES

Our **Installation series** includes versatile speaker models like **on-wall mounted, pendant, satellite, and monitor speakers** as well as **subwoofers**. All models offer unbeatable sound quality and power for the respective design. Thanks to clear lines and a superior surface finish, these speakers blend seamlessly into indoor spaces with a sophisticated interior design. They can be used in premium residential audio systems as well as in professional installations for media spaces, presentation areas, and hospitality venues. Thanks to their balanced sound, they can be perfectly combined with the corresponding models from our built-in speaker series.

- Clear shapes
- High-quality surfaces
- Very linear reproduction
- Wide frequency range

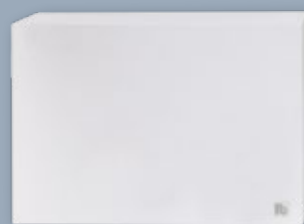


Technisches Museum Wien
Large-area sound system with
Cylinder speakers FZ 180 Polar

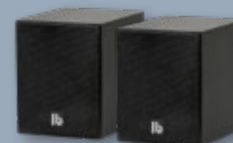
Buga Erfurt
Multi channel sound system
with S 403 speakers



DA 250 Q Polar
2-way on-wall speaker
with aluminium housing
and passive radiators



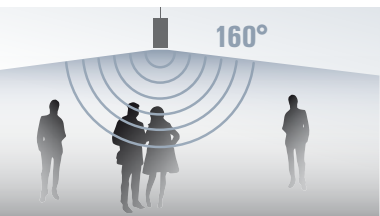
SUB 40 F und SUB 40 FA
Ultra flat Subwoofer,
also as an active version and
with DANTE



S 2
High-end satellite speaker with
precise electronic linearization



FZ 140 Polar
Cylindric speaker
with aluminium housing
for suspension from
the ceiling



Our **two-way on-wall and pendant speakers** with **Polar® technology** feature an exceptionally wide and constant dispersion angle. The cabinet designs with passive membranes ensure powerful low-frequency reproduction. These speaker models can be used to evenly cover spaces with excellent sound quality even without subwoofers.

On-Wall Speakers

Model

Order no.

DA 180 On-wall full-range speaker for ceiling and wall mounting with electronic equalization
Power capacity RMS/program 20 / 40 watts, 8 ohms
Diameter 180 mm, depth 70 mm

DA 180 White
DA 180 Black

0501-0001
0501-0002

DA 180 T 100 V version, power 2.5/5/10 watts

DA 180 T White
DA 180 T Black

0501-0003
0501-0004

On-Wall Polar Speakers

DA 250 Polar 2-way on-wall speaker with Polar technology and passive radiators
180° dispersion angle, power capacity RMS/program 30 / 60 watts, 8 ohms
Diameter 260 mm, depth 80 mm

DA 250 Polar White
DA 250 Polar Black

0511-0001
0511-0002

DA 250 T Polar 100 V version, power 7.5/15/30 watts

DA 250 T Polar White
DA 250 T Polar Black

0511-0003
0511-0004

DA 250 Q Polar 2-way on-wall speaker with Polar technology and passive radiators
180° dispersion angle, power capacity RMS/program 30 / 60 watts, 8 ohms
Dimensions 260 x 260 mm, depth 80 mm

DA 250 Q Polar White
DA 250 Q Polar Black

0511-0005
0511-0006

DA 250 QT Polar 100 V version, power 7.5/15/30 watts

DA 250 QT Polar White
DA 250 QT Polar Black

0511-0007
0511-0008

Pendant Speakers

FZ 110 Cylindric full-range speaker with electronic equalization
Power capacity RMS/program 20 / 40 watts, 8 ohms
Diameter 110 mm, length 190 mm

FZ 110 White
FZ 110 Black

0601-0001
0601-0002

FZ 110 T 100 V version, power 2.5/5/10 watts

FZ 110 T White
FZ 110 T Black

0601-0003
0601-0004

WH 110 Rotatable/pivotable L-bracket with assembly plate
Suitable for RL 110 / FZ 110, incl. safety rope

WH 110 White
WH 110 Black

7109-0001
7109-0002

SR 500 NEW 5 m stainless steel suspension cable including cable holder, 1 mm diameter
One end with loop

SR 500

7109-0009

Other colours and customized versions on request



Pendant Speakers with 160° Dispersion Angle

		Model	Order no.
FZ 140 Polar	Cylindric 2-way speaker with Polar technology and passive radiator Wide dispersion angle (160°) Power capacity RMS/program 30 / 60 watts, 8 ohms Diameter 140 mm, length 240 mm	FZ 140 Polar White FZ 140 Polar Black	0602-0001 0602-0002
FZ 140 T Polar	100 V version, power 7.5/15/30 watts	FZ 140 T Polar White FZ 140 T Polar Black	0602-0003 0602-0004
WH 140	Rotatable/pivotable L-bracket with assembly plate Suitable for RL 140 / FZ 140, incl. safety rope	WH 140 White WH 140 Black	7109-0004 7109-0005
SR 500 NEW	5 m stainless steel suspension cable including cable holder, 1 mm diameter One end with loop	SR 500	7109-0009

FZ 180 Polar	Cylindric 2-way speaker with Polar technology and passive radiator Wide dispersion angle (160°), power capacity RMS/program 60 / 120 watts, 8 ohms Diameter 180 mm, length 280 mm	FZ 180 Polar White FZ 180 Polar Black	0603-0001 0603-0002
FZ 180 T Polar	100 V version, power 7.5/15/30 watts	FZ 180 T Polar White FZ 180 T Polar Black	0603-0003 0603-0004

Pendant Speakers with Narrow Dispersion Angle (80°)

FZ 180 CD	Cylindric 2-way speaker with CD characteristics and passive radiator 80° dispersion angle, power capacity RMS/program 60 / 120 watts, 8 ohms Diameter 180 mm, length 280 mm	FZ 180 CD White FZ 180 CD Black	0603-0005 0603-0006
FZ 180 CDT	100 V version, power 7.5/15/30 watts	FZ 180 CDT White FZ 180 CDT Black	0603-0007 0603-0008
WH 180	Rotatable/pivotable L-bracket with assembly plate Suitable for RL 180 / FZ 180, incl. safety rope	WH 180 White WH 180 Black	7109-0006 7109-0007
SR 500-16 NEW	5 m stainless steel suspension cable including cable holder 1.6 mm diameter, one end with loop	SR 500-16	7109-0010

Other colours and customized versions on request



Satellite Speakers

		Model	Order no.
S 2	High-end satellite speaker with integrated high-pass filter Power capacity RMS/program 20 / 40 watts, 8 ohms, dim. (W x H x D) 80 x 100 x 105 mm	S 2 White S 2 Black	0801-0001 0801-0002
S 2 T	100 V version, power 2,5/5/10 watts	S 2 T White S 2 T Black	0801-0003 0801-0004
S 2 A	Active high-end satellite speaker, power 20 watts, Auto-On / Off, incl. power supply	S 2 A White S 2 A Black	0801-0005 0801-0006
WH 10	Wall-mount for S 2, 30 mm wall distance	WH 10 White WH 10 Black	7108-0001 7108-0002
WH 20	Wall-mount for S 2, 60 mm wall distance	WH 20 White WH 20 Black	7108-0003 7108-0004
WH 40	Wall-mount for S 2, 120 mm wall distance	WH 40 White WH 40 Black	7108-0005 7108-0006
DH 100 NEW	Ceiling mount for S 2, rotatable/swivelable, including safety cable	DH 100 White DH 100 Black	7108-0013 7108-0014
WS2-0°	Angle bracket 0° for S 2-cluster Incl. mounting accessories	WS2-0° White WS2-0° Black	7108-0007 7108-0008
WS2-10°	Angle bracket 10° for S 2-cluster Incl. mounting accessories	WS2-10° White WS2-10° Black	7108-0009 7108-0010
WS2-20°	Angle bracket 20° for S 2-cluster Incl. mounting accessories	WS2-20° White WS2-20° Black	7108-0011 7108-0012

Flat, on-wall speakers with high efficiency designed for use as front speakers in media spaces and surround systems. For full-range reproduction, we recommend combining with our subwoofers.



Satellite Speakers for Media Rooms

S 403	3-way on-wall speaker (for vertical or horizontal mounting) Dispersion angle (H x V) 100° x 100°, power capacity RMS/program 80 / 160 watts Impedance 8 ohms, dimensions (W x H x D) 80 x 700 x 48 mm Precision steele grille, wall-mount not included	S 403 White S 403 Black	0802-0001 0802-0002
S 403 T	100 V version, power 7.5/15/30 watts	S 403 T White S 403 T Black	0802-0003 0802-0004
SH 50	Pivotable wall-mount, for S 403, 30 mm wall distance	SH 50 White SH 50 Black	7110-0003 7110-0004



Monitor Speakers		Model	Order no.
F 4	Very linear 2-way speaker with CD characteristics, dispersion angle (H x V) 90° x 90° Power capacity RMS/program 50 / 100 watts, impedance 8 ohms Dimensions (W x H x D) 140 x 250 x 180 mm, semi-matte varnish, steel grille	F 4 White	0702-0001
		F 4 Black	0702-0002
UB 4	U-bracket for F 4, powder-coated, incl. mounting accessories	UB 4 White UB 4 Black	7114-0001 7114-0002
UB 4 Q	U-bracket for F 4, horizontal installation, powder-coated, incl. mounting accessories	UB 4 Q White UB 4 Q Black	7114-0003 7114-0004
F 6	Very linear 2-way speaker with CD characteristics, dispersion angle (H x V) 90° x 90° Power capacity RMS/program 90 / 180 watts, impedance 8 ohms Dimensions (W x H x D) 215 x 350 x 260 mm, semi-matte varnish, steel grille	F 6 White	0704-0001
		F 6 Black	0704-0002
F 6 A	2-way active speaker, power 120 watts + 80 watts XLR and PowerCon connectors	F 6 A White F 6 A Black	0704-0003 0704-0004
UB 6	U-bracket for F 6, powder-coated, incl. mounting accessories	UB 6 White UB 6 Black	7114-0005 7114-0006
UB 6 Q	U-bracket for F 6, horizontal installation, powder-coated, incl. mounting accessories	UB 6 Q White UB 6 Q Black	7114-0007 7114-0008
WH 350	Rotatable / pivotable wall-mount suitable for F 4/F 6	WH 350 White WH 350 Black	7114-0028 7114-0029

Customized Subwoofers

We offer numerous customized subwoofers with individual cabinet dimensions. This allows an almost invisible integration of the subwoofers into ceilings, walls, wall paneling or built-in furniture. We will be happy to assist you!

Subwoofers

Our **high-power subwoofers** use dual-vented bandpass cabinets that ensure maximum sound pressure levels with compact dimensions. Due to the minimized surface area of the sound outlets, the subwoofers can be discreetly integrated in indoor spaces or furniture. The **active models** feature class D amplifier modules equipped with limiters, VCAs, and an automatic switch-on function.



Subwoofers		Model	Order no.
SUB 20	Compact double-vented bandpass subwoofer, 6.5" long excursion driver Impedance 8 ohms, power capacity RMS/program 100 / 200 watts Dimensions (W x H x D) 190 x 320 x 400 mm, semi-matte varnish	SUB 20 White	1310-0001
		SUB 20 Black	1310-0002
SUB 20 A	Compact active subwoofer, 6.5" long excursion driver Cinch / XLR sym. / speaker level inputs, power 200 watts, Auto-On/Off Dimensions (W x H x D) 190 x 320 x 400 mm, semi-matte varnish	SUB 20 A White	1310-0003
		SUB 20 A Black	1310-0004
SUB 40	Compact double-vented bandpass subwoofer, 2 x 6.5" long excursion driver Impedance 8 ohms, power capacity RMS/program 200 / 400 watts Dimensions (W x H x D) 250 x 400 x 500 mm, semi-matte varnish	SUB 40 White	1320-0001
		SUB 40 Black	1320-0002
SUB 40 A	Compact active subwoofer, 2 x 6.5" long excursion driver Cinch / XLR sym. / speaker level inputs, power 400 watts, Auto-On/Off Dimensions (W x H x D) 250 x 400 x 500 mm, semi-matte varnish	SUB 40 A White	1320-0003
		SUB 40 A Black	1320-0004
SUB 80	Compact double-vented bandpass subwoofer, 4 x 6.5" long excursion driver Impedance 4 ohms, power capacity RMS/program 400 / 800 watts Dimensions (W x H x D) 320 x 520 x 650 mm, semi-matte varnish	SUB 80 White	1330-0001
		SUB 80 Black	1330-0002
SUB 80 A	Compact active subwoofer, 4 x 6.5" long excursion driver Cinch / XLR sym. / speaker level inputs, power 800 watts, Auto-On/Off Dimensions (W x H x D) 320 x 520 x 650 mm, semi-matte varnish	SUB 80 A White	1330-0003
		SUB 80 A Black	1330-0004
SUB 40 F	Flat subwoofer 2 x 6.5" + passive membranes, Impedance 8 ohms power capacity RMS/program 160/320 watts Dimensions (W x H x D) 420 x 600 x 100 mm, semi-matte varnish, incl. wall mount	SUB 40 F White	1340-0001
		SUB 40 F Black	1340-0002
SUB 40 FA	Active flat subwoofer 2 x 6.5" + passive membranes Inputs: Cinch, XLR sym., Ethernet, power capacity 320 watts, Auto-On / Off Dimensions (W x H x D) 420 x 600 x 100 mm, semi-matte varnish, incl. wall mount	SUB 40 FA White	1340-0003
		SUB 40 FA Black	1340-0004
SUB 40 FA DANTE	like SUB 40 FA, additionally with DANTE interface	SUB 40 FA DANTE White	1340-0005
		SUB 40 FA DANTE Black	1340-0006
UB SUB 40 F NEW	U-bracket for SUB 40 F, incl. mounting accessories	UB SUB 40 F White UB SUB 40 F Black	7113-0007 7113-0008



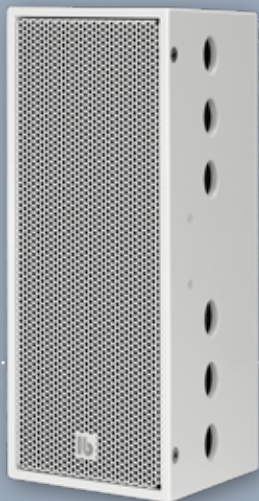
RL SERIES DIRECTIONAL SPEAKERS

The **RL series** comprises directional speakers with a cardioid or supercardioid pattern for targeted sound transmission and high speech intelligibility. They can be used in exhibition centers with limited listening zones as well as for voice reinforcement in conference spaces, auditoriums, and large public spaces such as foyers, halls, train and bus stations.

►rlseries

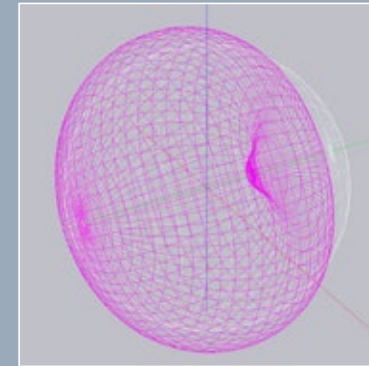
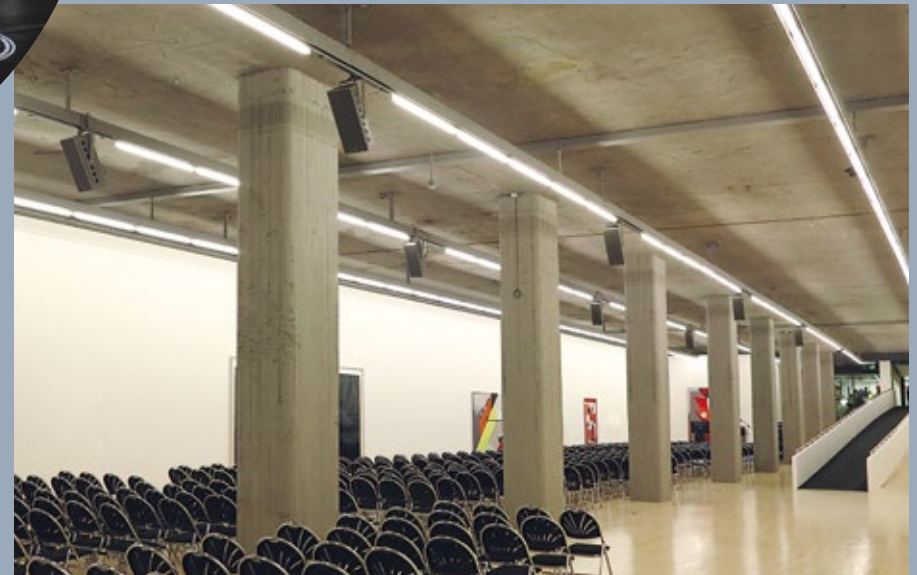
The **RL 110 Series** was specially designed for targeted sound transmission at exhibitions and museums

ZKM Karlsruhe active directional speakers with integrated motion sensors (RL 110 AX)

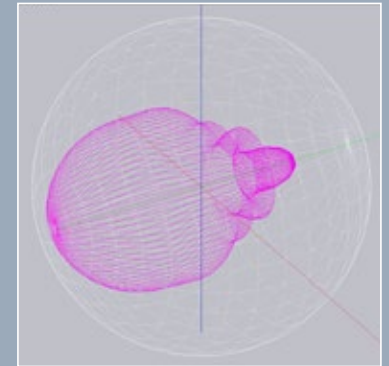


RL 204 SN
2-way directional speaker with supercardioid pattern for targeted sound transmission in rooms with long reverberation time

Kunstbau Munich mobile multi channel PA system with RL 206 SN directional speakers



The pendant speakers **RL 180 NT** and **RL 180 NT EVAC** with cardioid pattern are dedicated to over large public spaces. The backward sound emission to the ceiling is minimized.



The models **RL 110**, **RL 204 SN** and **RL 206 SN** with supercardioid pattern and narrow beam width are used to cover defined listening areas.

In the **RL 110 series**, the lateral arrangement of the sound outlets in the cabinet causes a supercardioid radiation pattern. This design principle provides a highly focused sound with minimum lateral and rear dispersion across the entire frequency range.



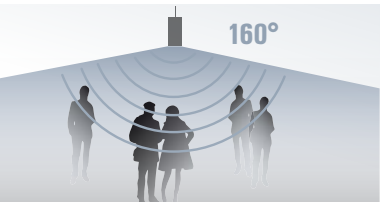
Directional Speakers with Narrow Dispersion Angle (80°)		Model	Order no.
RL 110	Full-range directional speaker with narrow dispersion angle (80°) Power capacity RMS/program 20 / 40 watts, 8 ohms Diameter 110 mm, length 190 mm	RL 110 White	0901-0001
		RL 110 Black	0901-0002
RL 110 T	100 V version, power 2.5/5/10 watts	RL 110 T White	0901-0003
		RL 110 T Black	0901-0004
RL 110 A	Active full-range directional speaker with narrow dispersion angle (80°) Power 20 watts, incl. power supply, diameter 110 mm, length 190 mm	RL 110 A White	0901-0005
		RL 110 A Black	0901-0006
RL 110 A-MP3	Active full-range directional speaker with integrated MP3 player and narrow dispersion angle (80°), power 20 watts, incl. power supply Diameter 110 mm, length 190 mm	RL 110 A-MP3 White	0901-0007
		RL 110 A-MP3 Black	0901-0008
RL 110 AX	Active full-range directional speaker with integrated motion sensor and narrow dispersion angle (80°), power 20 watts, incl. power supply Diameter 110 mm, length 190 mm	RL 110 AX White	0901-0009
		RL 110 AX Black	0901-0010
RL 110 AX-MP3	Active full-range directional speaker with integrated motion sensor, MP3 player and narrow dispersion angle (80°) Power 20 watts, incl. power supply, diameter 110 mm, length 190 mm	RL 110 AX-MP3 White	0901-0011
		RL 110 AX-MP3 Black	0901-0012



The patented active directional loudspeaker **RL 110 PerZonic®** automatically adapts the output volume to the ambient noise of the listening zone. The control settings can be adjusted to the respective sound environment.



RL 110 PerZonic	PerZonic active directional speaker with volume control and narrow dispersion angle (80°) Power 20 watts, incl. power supply, diameter 110 mm, length 190 mm	RL 110 PerZonic White	0901-0013
		RL 110 PerZonic Black	0901-0014
WH 110	Rotatable/pivotable L-bracket with assembly plate Suitable for RL 110 / FZ 110, incl. safety rope	WH 110 White	7109-0001
		WH 110 Black	7109-0002
SR 500 NEW	5 m stainless steel suspension cable including cable holder, 1 mm diameter One end with loop	SR 500	7109-0009



Thanks to its cardioid pattern, the **RL 180 N Polar®** is designed for clear sound transmission from the ceiling in spaces with long reverberation times. With our Polar® technology it achieves a constantly wide dispersion angle at medium and high frequencies while the cardioid pattern at low frequencies minimizes backward sound emission, effectively suppressing interference caused by reflections from the ceiling.



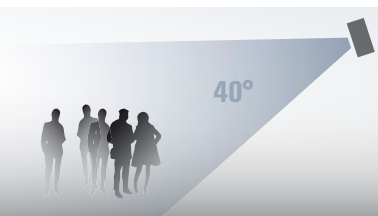
Directional Polar Speakers with Cardioid Pattern (160°)		Model	Order no.
RL 180 N Polar	2-way speaker with Polar technology and cardioid pattern, high efficiency and wide dispersion angle (160°), power capacity RMS/program 60 / 120 watts 8 ohms, diameter 180 mm, lenght 280 mm	RL 180 N Polar White	0903-0001
		RL 180 N Polar Black	0903-0002
RL 180 NT Polar	100 V version, power 7.5/15/30 watts	RL 180 NT Polar White	0903-0003
		RL 180 NT Polar Black	0903-0004

The **RL 180 NT EVAC** is a version of RL 180 N Polar for voice alarm systems. It is certified in accordance with **EN 54-24**.

Directional Polar Speakers with Cardioid Pattern (160°) for Voice Alarm Systems

RL 180 NT EVAC	2-way speaker with Polar technology and cardioid pattern, high efficiency and wide dispersion angle (160°) 100 V, 30/15/7.5 watts Diameter 180 mm, lenght 280 mm	RL 180 NT EVAC White RL 180 NT EVAC Black	0904-0001 0904-0002
WH 180	Rotatable/pivotable Lbracket with assembly plate Suitable for RL 180 / FZ 180, incl. safety rope	WH 180 White WH 180 Black	7109-0006 7109-0007
SR 500-16 NEW	5 m stainless steel suspension cable including cable holder 1.6 mm diameter, one end with loop	SR 500-16	7109-0010





The **RL 204 SN** and **RL 206 SN** models are PA speakers with a supercardioid pattern. The cabinet design with lateral sound outlets that emit inversely phased sound creates a high level of directivity across the entire frequency range. These speakers are designed for spaces with long reverberation times making high speech intelligibility and clear reproduction of music possible. For full-range applications, we recommend combining with our subwoofers.

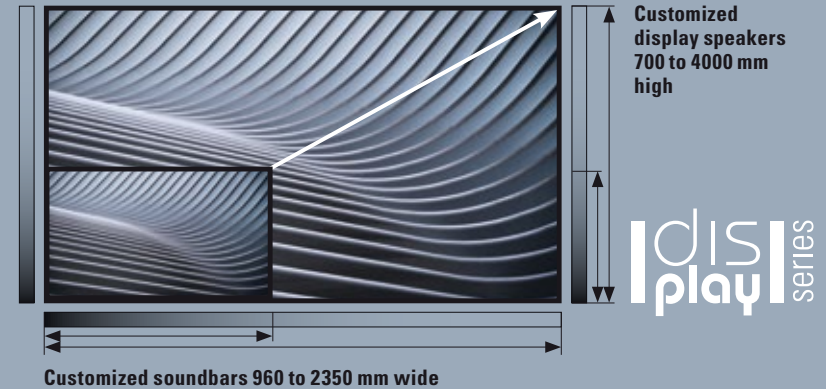


Directional Speakers with Super Cardioid Pattern (HxV) 80°x40°		Model	Order no.
RL 204 SN	2-way directional speaker with supercardioid pattern Dispersion angle (H x V) 80° x 40°, power RMS / program 80 / 160 watts, 8 ohms Dimensions (W x H x D) 160 x 370 x 180 mm Trapezoid cabinet, semi-matte varnish, steel grille	RL 204 SN White	0905-0001
		RL 204 SN Black	0905-0002
UB 204	U-bracket for RL 204 incl. mounting accessories, powder-coated	UB 204 White UB 204 Black	7114-0009 7114-0010
RL 206 SN	2-way directional speaker with supercardioid pattern Dispersion angle (H x V) 80° x 40°, power RMS / program 120 / 240 watts, 8 ohms Dimensions (W x H x D) 246 x 566 x 273 mm Trapezoid cabinet, semi-matte varnish, steel grille	RL 206 SN White	0906-0001
		RL 206 SN Black	0906-0002
RL 206 SN-A	Active 2-way directional speaker Power 200 watts + 80 watts Connectors: XLR and PowerCon, switchable high-pass filter and ground lift	RL 206 SN-A White RL 206 SN-A Black	0906-0003 0906-0004
UB 206	U-bracket for RL 206 incl. mounting accessories, powder-coated	UB 206 White UB 206 Black	7114-0011 7114-0012
WH 350	Rotatable/pivotable wall-mount Suitable for RL 204 SN / RL 206 SN	WH 350 White WH 350 Black	7114-0028 7114-0029

lb DISPLAY SERIES DISPLAY SPEAKERS AND SOUNDBARS

NEXT GENERATION Display speakers DL-A DSC and Soundbars SB-A DSC with Ethernet und DANTE. Our active display speakers and soundbars are designed for video conferencing and high-quality sound reproduction in media rooms. They offer a wide frequency range and high speech intelligibility. The latest generation is equipped with additional features for control and remote monitoring:

- Ethernet Interface
- Optical SPDIF Input (Toslink)
- DANTE Interface (optional)
- Configuration with LB CONTROL App
- Control and remote monitoring via network commands



The new generation of our Display Series is equipped with additional features for configuration with our **LB CONTROL App** and controlling via Network commands.

The sound dispersion can be simulated and set with our **LB CONTROL App**.

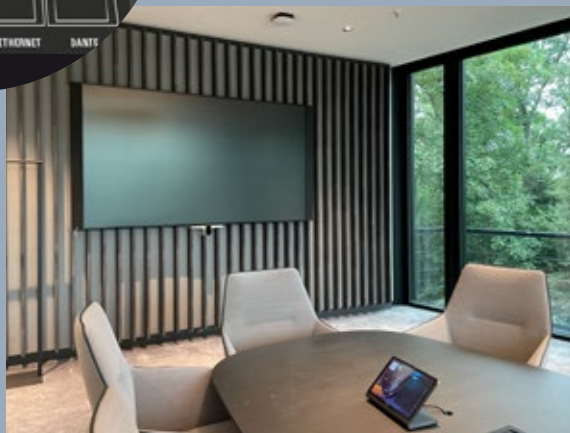


Customized soundbars 960 to 2350 mm wide and display speakers 700 to 4000 mm high for high quality sound reproduction at displays, split walls and LED walls.

ACTIVE DISPLAY SPEAKERS WITH BEAM STEERING

Our active DSP-controlled display speakers with beam steering are designed for combination with large displays, split walls and LED walls.

With our LB CONTROL App the sound dispersion can be simulated and set in the shortest possible time according to the room size and the position of the audience.



Schattdcor Rohrdorf
Display speakers for conference rooms



Active Soundbars with DSP and Ethernet

Model

Order no.

SB-A 2.0 DSC

Active stereo soundbar with integrated DSP, 2 x 50 watts, Auto-On, External power supply, Dim. (W x H x D) 960 x 80 x 48 mm

SB-A 2.0 DSC

1213-0007

SB-A 2.0 DSC DANTE

Active stereo soundbar with integrated DSP and DANTE, 2 x 50 watts, Auto-On, external power supply, Dim. (W x H x D) 960 x 80 x 48 mm

SB-A 2.0 DSC DANTE

1213-0012

Customized Versions

SB-A 2.0 DSC-1200

Width on measure, 960 – 1200 mm

SB-A DSC 2.0-1200

1213-0008

SB-A 2.0 DSC-1600

Width on measure, 1200 – 1600 mm

SB-A DSC 2.0-1600

1213-0009

SB-A 2.0 DSC-2000

Width on measure, 1600 – 2000 mm

SB-A DSC 2.0-2000

1213-0010

SB-A 2.0 DSC-2350

Width on measure, 2000 – 2350 mm

SB-A DSC 2.0-2350

1213-0011

SB-A 2.0 DSC-1200 DANTE

Width on measure, 960 – 1200 mm

SB-A DSC 2.0-1200 DANTE

1213-0013

SB-A 2.0 DSC-1600 DANTE

Width on measure, 1200 – 1600 mm

SB-A DSC 2.0-1600 DANTE

1213-0014

SB-A 2.0 DSC-2000 DANTE

Width on measure, 1600 – 2000 mm

SB-A DSC 2.0-2000 DANTE

1213-0015

SB-A 2.0 DSC-2350 DANTE

Width on measure, 2000 – 2350 mm

SB-A DSC 2.0-2350 DANTE

1213-0016

Fee SB

Customized version fee SB (one-time charge per display type and order)

Fee SB

1213-0006

SB-A 2.2 DSC

Active stereo soundbar with integrated subwoofers and DSP 2 x 50 + 2 x 100 watts, Auto-On, external power supply Dim. (W x H x D) 1200 x 80 x 103 mm

SB-A 2.2 DSC

1223-0005

SB-A 2.2 DSC DANTE

Active Stereo-Soundbar with integrated subwoofers, DSP and DANTE 2 x 50 + 2 x 100 watts, Auto-On, external power supply Dim. (W x H x D) 1200 x 80 x 103 mm

SB-A 2.2 DSC DANTE

1223-0009

Customized Versions

SB-A 2.2 DSC-1600

Width on measure, 1200 – 1600 mm

SB-A 2.2 DSC-1600

1223-0006

SB-A 2.2 DSC-2000

Width on measure, 1600 – 2000 mm

SB-A 2.2 DSC-2000

1223-0007

SB-A 2.2 DSC-2350

Width on measure, 2000 – 2350 mm

SB-A 2.2 DSC-2350

1223-0008

SB-A 2.2 DSC-1600 DANTE

Width on measure, 1200 – 1600 mm

SB-A 2.2 DSC-1600 DANTE

1223-0010

SB-A 2.2 DSC-2000 DANTE

Width on measure, 1600 – 2000 mm

SB-A 2.2 DSC-2000 DANTE

1223-0011

SB-A 2.2 DSC-2350 DANTE

Width on measure, 2000 – 2350 mm

SB-A 2.2 DSC-2350 DANTE

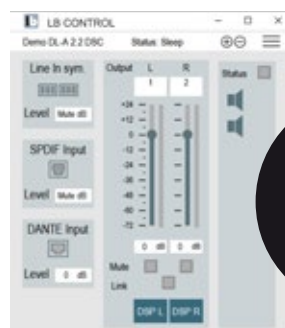
1223-0012

Fee SB

Customized version fee SB (one-time charge per display type and order)

Fee SB

1213-0006



The SB-A 2.0 DSC / SB-A 2.2 DSC and DL-A 2.0 DSC / DL-A 2.2 DSC can be configured with our LB CONTROL App.

LB CONTROL App

Interface: Ethernet
Windows / Mac OS
Download:
www.lb-lautsprecher.de



Huddly Kamera

Active Soundbars with DSP, integrated Camera and Microphone

SB-A 2.0 DSC CAM+	Active Stereo Soundbar with integrated DSP, Camera and Microphone (Huddly IQ), 2 x 50 watts, Auto-On External power supply, Dim. (W x H x D) 960 x 80 x 48 mm
SB-A 2.0 DSC CAM+ DANTE	Active Stereo Soundbar with integrated DSP, DANTE Camera and Microphone (Huddly IQ), 2 x 50 watts, Auto-On External power supply, Dim. (W x H x D) 960 x 80 x 48 mm

Model	Order no.
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SB-A 2.0 DSC CAM+	1215-0013
SB-A 2.0 DSC CAM+ DANTE	1215-0017

Customized Versions

SB-A 2.0 DSC-1200 CAM+	Width on measure, 960 – 1200 mm
SB-A 2.0 DSC-1600 CAM+	Width on measure, 1200 – 1600 mm
SB-A 2.0 DSC-2000 CAM+	Width on measure, 1600 – 2000 mm
SB-A 2.0 DSC-1200 CAM+ DANTE	Width on measure, 960 – 1200 mm
SB-A 2.0 DSC-1600 CAM+ DANTE	Width on measure, 1200 – 1600 mm
SB-A 2.0 DSC-2000 CAM+ DANTE	Width on measure, 1600 – 2000 mm

SB-A 2.0 DSC-1200 CAM+	1215-0014
SB-A 2.0 DSC-1600 CAM+	1215-0015
SB-A 2.0 DSC-2000 CAM+	1215-0016
SB-A 2.0 DSC-1200 CAM+ DANTE	1215-0018
SB-A 2.0 DSC-1600 CAM+ DANTE	1215-0019
SB-A 2.0 DSC-2000 CAM+ DANTE	1215-0020

Fee SB	Customized version fee SB (one-time charge per display type and order)
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Fee SB	1213-0006
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Passive 3-Channel Soundbars for Media Rooms and Home Cinema

SBC 3.0	3-Channel Soundbar (Left / Center / Right), 3 x 3-Way 3 x 80 / 160 watts, Impedance 3 x 8 ohms Dim. (W x H x D) 1400 x 80 x 48 mm
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SBC 3.0	1230-0001
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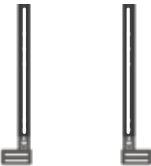
Customized Versions

SBC 3.0-1600	Width on measure, 1400 – 1600 mm
SBC 3.0-2000	Width on measure, 1600 – 2000 mm
SBC 3.0-2350	Width on measure, 2000 – 2350 mm

SBC 3.0-1600	1230-0002
SBC 3.0-2000	1230-0003
SBC 3.0-2350	1230-0004

Fee SB	Customized version fee SB (one-time charge per display type and order)
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Fee SB	1213-0006
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Mounts for Soundbars

SB-VESA	VESA mount for display soundbars SB-A 2.0 and SB-A 2.2
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SB-VESA Black	7111-0012
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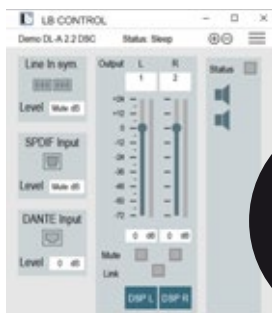


Dante



Active Display Speakers with DSP and Ethernet

		Model	Order no.
DL-A 2.0 DSC	Active Stereo Speaker Pair with integrated DSP, 2 x 50 watts, Auto-On External power supply, dim.: (W x H x D) 80 x 700 x 48 mm	DL-A 2.0 DSC Pair	1113-0006
DL-A 2.0 DSC DANTE	Active Stereo Speaker Pair with integrated DSP and DANTE, 2 x 50 watts Auto-On, External power supply, dim.: (W x H x D) 80 x 700 x 48 mm	DL-A 2.0 DSC DANTE Pair	1113-0010
Customized Versions			
DL-A 2.0 DSC-900	Height on measure, 600 – 900 mm	DL-A 2.0 DSC-900	1113-0007
DL-A 2.0 DSC-1200	Height on measure, 900 – 1200 mm	DL-A 2.0 DSC-1200	1113-0008
DL-A 2.0 DSC-1600	Height on measure, 1200 – 1600 mm	DL-A 2.0 DSC-1600	1113-0009
DL-A 2.0 DSC-900 DANTE	Height on measure, 600 – 900 mm	DL-A 2.0 DSC-900 DANTE	1113-0011
DL-A 2.0 DSC-1200 DANTE	Height on measure, 900 – 1200 mm	DL-A 2.0 DSC-1200 DANTE	1113-0012
DL-A 2.0 DSC-1600 DANTE	Height on measure, 1200 – 1600 mm	DL-A 2.0 DSC-1600 DANTE	1113-0013
Fee DL	Customized version fee DL (one-time charge per display type and order)	Fee DL	1113-0005
DL-A 2.2 DSC	Active Stereo Speaker Pair with integrated Subwoofers and DSP 2 x 50 + 2 x 100 watts, Auto-On, external power supply Dim.: (W x H x D) 80 x 700 x 103 mm	DL-A 2.2 DSC Pair	1123-0005
DL-A 2.2 DSC DANTE	Active Stereo Speaker Pair with integrated Subwoofers, DSP and DANTE 2 x 50 + 2 x 100 watts, Auto-On, external power supply Dim. (W x H x D) 80 x 700 x 103 mm	DL-A 2.2 DSC DANTE Pair	1123-0009
Customized Versions			
DL-A 2.2 DSC-900	Height on measure, 700 – 900 mm	DL-A 2.2 DSC-900	1123-0006
DL-A 2.2 DSC-1200	Height on measure, 900 – 1200 mm	DL-A 2.2 DSC-1200	1123-0007
DL-A 2.2 DSC-1600	Height on measure, 1200 – 1600 mm	DL-A 2.2 DSC-1600	1123-0008
DL-A 2.2 DSC-900 DANTE	Height on measure, 700 – 900 mm	DL-A 2.2 DSC-900 DANTE	1123-0010
DL-A 2.2 DSC-1200 DANTE	Height on measure, 900 – 1200 mm	DL-A 2.2 DSC-1200 DANTE	1123-0011
DL-A 2.2 DSC-1600 DANTE	Height on measure, 1200 – 1600 mm	DL-A 2.2 DSC-1600 DANTE	1123-0012
Fee DL	Customized version fee DL (one-time charge per display type and order)	Fee DL	1113-0005



The **SB-A 2.0 DSC / SB-A 2.2 DSC** and **DL-A 2.0 DSC / DL-A 2.2 DSC** can be configured with our **LB CONTROL App**.

**LB
CONTROL
App**
Interface: Ethernet
Windows / Mac OS
Download:
www.lb-lautsprecher.de



NEW VESA-Mounts for Display Speakers

		Model	Order no.
DL-VESA 1700	for display width 1200 – 1700 mm	DL-VESA 1700	7111-0022
DL-VESA 2000	for display width 1550 – 2000 mm	DL-VESA 2000	7111-0023
DL-VESA 2300	for display width 1850 – 2300 mm	DL-VESA 2300	7111-0024
DL-VESA 2600	for display width 2150 – 2600 mm	DL-VESA 2600	7111-0025

NEW Dual VESA-Mounts for Display Speakers

Dual DL-VESA 1700	for display width 1200 – 1700 mm	Dual DL-VESA 1700	7111-0026
Dual DL-VESA 2000	for display width 1550 – 2000 mm	Dual DL-VESA 2000	7111-0027
Dual DL-VESA 2300	for display width 1850 – 2300 mm	Dual DL-VESA 2300	7111-0028
Dual DL-VESA 2600	for display width 2150 – 2600 mm	Dual DL-VESA 2600	7111-0029



Wall-mounts for Display Speakers

SH 50	Pivotable wall-mount, 30 mm wall distance (2 pieces per speaker pair required)	SH 50 Black	7110-0004
WH 80	Adjustable wall-mount from 35 up to 110 mm wall distance (2 pairs per speaker pair required))	WH 80 Black Pair	7111-0013

Active Display Speakers with Beam Steering

Our active DSP-controlled **display speakers** with beam steering are designed for combination with large displays, split walls and LED walls. With our **LB CONTROL App**, the sound dispersion can be simulated and adjusted in a very short time according to the size of the room and the position of the audience. The speaker systems with outputs of 2 x 500 watts or 2 x 1000 watts comprise integrated subwoofers and are suitable for high-quality speech and music reproduction even in larger rooms.



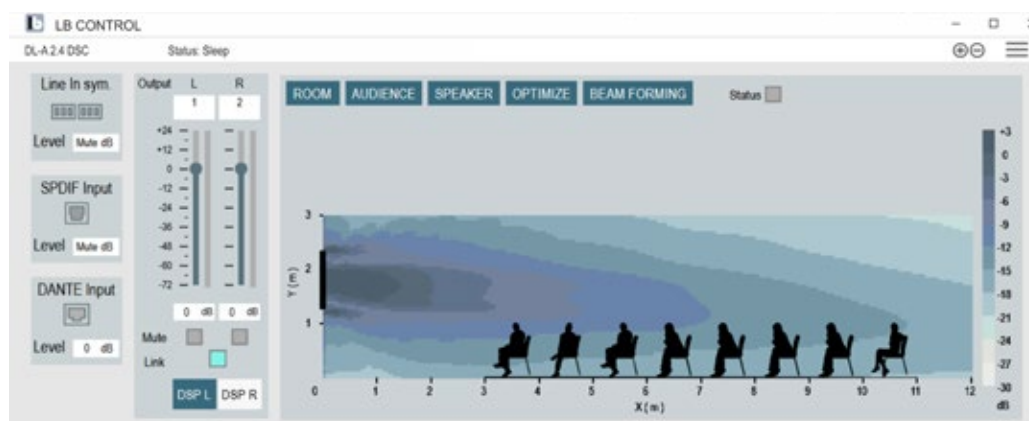
Active Display Speakers with Beam Steering

Model

Order no.

DL-A 2.4 DSC AlArray	Active Stereo Display Speaker Pair with Beam-Steering and integrated Subwoofers Power 2 x 500 Watt, DSP, Ethernet, Auto-On, Inputs: Analog In, sym. In and optical SPDIF (Toslink) External power supply, Dim. (W x H x D) 80 x 1080 x 103 mm	DL-A 2.4 DSC AlArray Pair	1133-0001
DL-A 2.4 DSC AlArray DANTE	with DANTE-Interface	DL-A 2.4 DSC AlArray DANTE Pair	1133-0006
Customized Versions			
DL-A 2.4 DSC-1600 AlArray	Height on measure, 1080 – 1600 mm	DL-A 2.4 DSC-1600 AlArray	1133-0002
DL-A 2.4 DSC-2000 AlArray	Height on measure, 1600 – 2000 mm	DL-A 2.4 DSC-2000 AlArray	1133-0003
DL-A 2.4 DSC-2350 AlArray	Height on measure, 2000 – 2350 mm	DL-A 2.4 DSC-2350 AlArray	1133-0004
DL-A 2.4 DSC-1600 AlArray DANTE	Height on measure, 1080 – 1600 mm	DL-A 2.4 DSC-1600 AlArray DANTE	1133-0007
DL-A 2.4 DSC-2000 AlArray DANTE	Height on measure, 1600 – 2000 mm	DL-A 2.4 DSC-2000 AlArray DANTE	1133-0008
DL-A 2.4 DSC-2350 AlArray DANTE	Height on measure, 2000 – 2350 mm	DL-A 2.4 DSC-2350 AlArray DANTE	1133-0009
Fee DL	Customized version fee DL (one-time charge per display type and order)	Fee DL	1113-0005

Mounts for DL-A 2.4 AlArray on page 34



DL-A 2.4 AlArray

With our **LB CONTROL App**, the sound dispersion of the DL-A 2.4 AlArray can be simulated and adjusted in a very short time according to the room size and the position of the audience. With the **OPTIMIZE** function, the sound dispersion is automatically directed towards the audience.

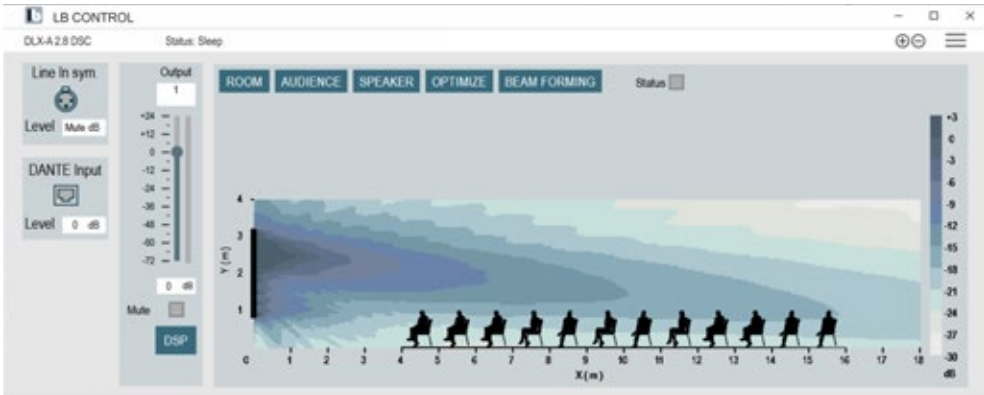
LB CONTROL APP

Schnittstelle: Ethernet
Windows / Mac OS
Download:
www.lb-lautsprecher.de

Active Display Speakers with Beam Steering for large screens



Aktive Display-Lautsprecher mit Beam-Steering		Model	Order no.
DLX-A 2.8 AlArray DANTE	Active Stereo Display Speaker Pair with Beam-Steering and integrated Subwoofers Inputs: DANTE, Analog In sym. and Cinch 2 x 1000 watts, Auto-On Dim. (W x H x D) 150 x 2400 x 170 mm	DLX-A 2.8 AlArray DANTE Pair	1135-0001
DLX-A 2.8 AlArray DANTE 4000	Height on measure, 2400 – 4000 mm	DLX-A 2.8 AlArray DANTE 4000 Pair	1135-0002
Fee DL	Customized version fee DL (one-time charge per display type and order)	Fee DL	1113-0005
SH 240	 Wall-mount for DLX-A 2.8 AlArray DANTE, pivotable, Range +/-30°, Pair	SH 240	7111-0031



DLX-A 2.8 AlArray DANTE
With our **LB CONTROL App**, the sound dispersion of the DL-A 2.8 AlArray can be simulated and adjusted in a very short time according to the room size and the position of the audience. With the OPTIMIZE function, the sound dispersion is automatically directed towards the audience.

**LB
CONTROL
App**

Interface: Ethernet
Windows / Mac OS
Download:
www.lb-lautsprecher.de

lb ZL SERIES COLUMN SPEAKERS

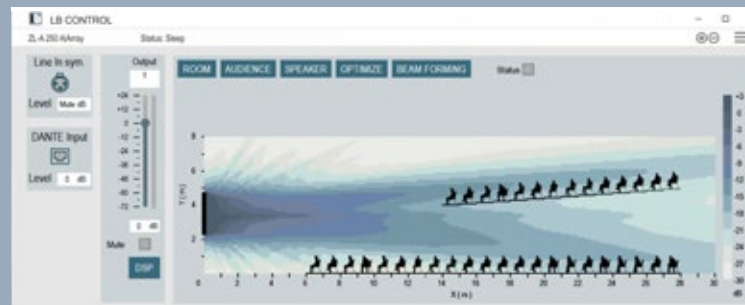
The **ZL Series** line arrays are powerful loudspeaker systems for directional, highly focused sound dispersion. All models have elegant housings that are only 8 cm wide and are equipped with highly efficient audiophile full-band drivers, which ensure high speech intelligibility as well as excellent music reproduction. The passive models with different, fixed dispersion characteristics offer a cost-effective way to provide targeted sound coverage. The active DSP-controlled line arrays of the ZL-A Series provide beam steering with one or two beams to cover listening areas with maximum precision.

- Low feedback tendency
- Audiophile full-range speaker
- Very good low frequency response
- Speech and music
- Elegant slim design
- A variety of fixed and adjustable dispersion characteristics



Schattdecor Rohrdorf,
Controlled line arrays

With our **LB CONTROL App**, the active line arrays can be simulated and adjusted in a very short time according to the room size and the position of the audiences.



alarray®
adapted line array

LB CONTROL APP

Interface: Ethernet
Windows / Mac OS
Download:
www.lb-lautsprecher.de

ZL Series

Line arrays 480 to 2500 mm high and with a wide frequency range for reproduction of speech and music. The various models come with fixed or electronically adjustable directivity (beam steering) and can be operated individually or in multi-unit line arrays.

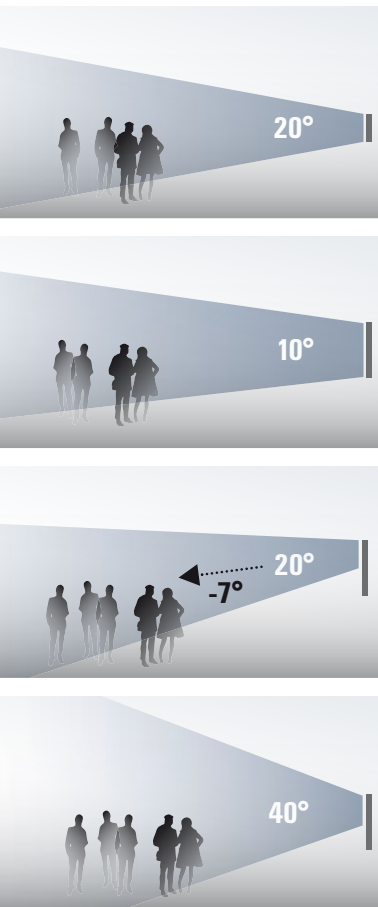


2 x ZL-A 200 AIArrays
Audimax
Medical school
Duisburg-Essen



Column Speakers

The passive line arrays in the **ZL series** offer different vertical dispersion characteristics and a wide linear frequency range. They are suited for high quality reproduction of speech and music with low feedback.



Column Speakers

ZL 50	Line array, with electronic equalization, dispersion angle (H x V) 120° x 20° Power capacity RMS/program 90 / 180 watts, 8 ohms Dimensions (W x H x D) 80 x 480 x 103 mm, brackets not included
ZL 50 T	100 V version, 7.5/15/30 watts
ZL 100	Line array, with electronic equalization, dispersion angle (H x V) 120° x 10° Power capacity RMS/program 180 / 360 watts, 8 ohms Dimensions (W x H x D) 80 x 960 x 103 mm, brackets not included
ZL 100 T	100 V version, 15/30/60 watts
ZL 104	4-way line array with asymmetric dispersion characteristics (-7° vertical), dispersion angle (H x V) 120° x 20° Power capacity RMS/program 180 / 360 watts 8 ohms, dimensions (W x H x D) 80 x 960 x 103 mm Brackets not included
ZL 104 T	100 V version, 15/30/60 watts
ZL 108	3-way line array, dispersion angle (H x V) 120° x 40° Power capacity RMS/program 140 / 280 watts, 8 ohms Dimensions (W x H x D) 80 x 960 x 103 mm Brackets not included
ZL 108 T	100 V version, 15/30/60 watts



Model

Order no.

ZL 50 White ZL 50 Black	1002-0001 1002-0002
ZL 50 T White ZL 50 T Black	1002-0003 1002-0004
ZL 100 White ZL 100 Black	1003-0001 1003-0002
ZL 100 T White ZL 100 T Black	1003-0003 1003-0004
ZL 104 White ZL 104 Black	1004-0001 1004-0002
ZL 104 T White ZL 104 T Black	1004-0003 1004-0004
ZL 108 White ZL 108 Black	1005-0001 1005-0002
ZL 108 T White ZL 108 T Black	1005-0003 1005-0004

Mounting Accessories for ZL Series

SH 20	Pivotable wall-mount for ZL 50 30 mm wall distance
SH 50	Pivotable wall-mount for ZL 100 up to ZL 250 (+/- 45°)
SH 80	Pivotable wall-mount for ZL-A 200 AIArray and ZL-A 250 AIArray (+/- 45°)
W-ZL	L-bracket (pair) for ZL series
SH 200 NEW	Pivotable/tilt mount for ZL 50 to ZL 108

SH 20 White SH 20 Black	7110-0001 7110-0002
SH 50 White SH 50 Black	7110-0003 7110-0004
SH 80 White SH 80 Black	7110-0007 7110-0008
W-ZL White W-ZL Black	7110-0005 7110-0006
SH 200 White SH 200 Black	7110-0009 7110-0010

Please quote bracket type at the time of order

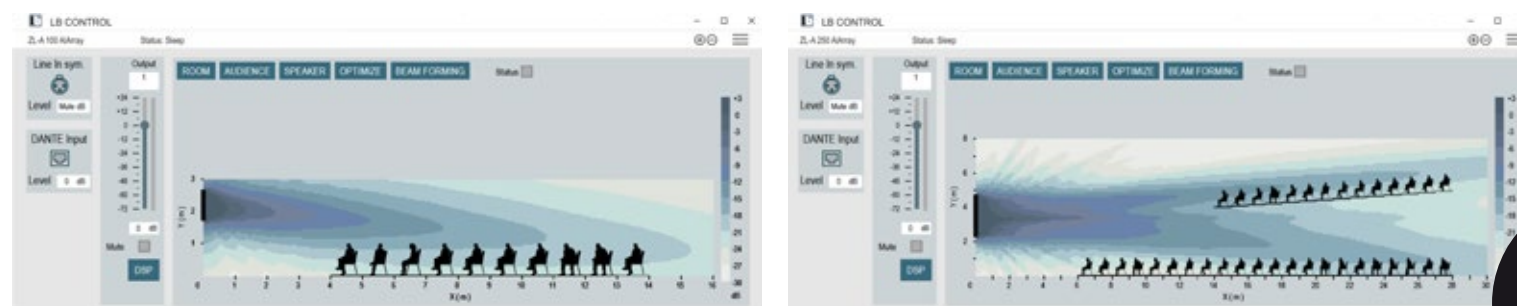


Active DSP-controlled **line arrays with beam steering** for targeted sound coverage of audiences in large rooms. They have an exceptionally wide frequency range and are ideal not only for speech, but also for music reproduction. With our **LB CONTROL App**, the active line arrays can be simulated and adjusted in a very short time regarding room dimensions and positions of audiences.

NEW Models ZL-A 200 AlArray / ZL-A 250 AlArray now comprise one part housings and can be mounted with the new pivotable wall-mount SH 80. All models are also available without DANTE.

Active Line Arrays with Beam Steering

		Model	Order no.
ZL-A 100 AlArray (DANTE)	Active Line Array with Beam Steering, 1 Beam or 2 Beams, independently adjustable 12 x 2,5" Long Excursion Fullrange Drivers with Neodymium Motor Power 6 x 70 watts, XLR Input, Ethernet, DANTE Dim.: (W x H x D) 80 x 960 x 103 mm, without bracket	ZL-A 100 AlArray White NEW	1011-0001
		ZL-A 100 AlArray Black NEW	1011-0002
		ZL-A 100 AlArray DANTE White	1011-0003
		ZL-A 100 AlArray DANTE Black	1011-0004
ZL-A 125 AlArray (DANTE)	Active Line Array with Beam Steering, 1 Beam or 2 Beams, independently adjustable 16 x 2,5" Long Excursion Fullrange Drivers with Neodymium Motor Power 8 x 70 watts, XLR Input, Ethernet, DANTE Dim.: (W x H x D) 80 x 1250 x 103 mm, without bracket	ZL-A 125 AlArray White NEW	1012-0001
		ZL-A 125 AlArray Black NEW	1012-0002
		ZL-A 125 AlArray DANTE White	1012-0003
		ZL-A 125 AlArray DANTE Black	1012-0004
ZL-A 200 AlArray (DANTE)	Active Line Array with Beam Steering, 1 Beam or 2 Beams, independently adjustable 24 x 2,5" Long Excursion Fullrange Drivers with Neodymium Motor Power 12 x 70 watts, XLR Input, Ethernet, DANTE Dim.: (W x H x D) 80 x 1920 x 103 mm, without bracket	ZL-A 200 AlArray White NEW	1009-0001
		ZL-A 200 AlArray Black NEW	1009-0002
		ZL-A 200 AlArray DANTE White	1009-0003
		ZL-A 200 AlArray DANTE Black	1009-0004
ZL-A 250 AlArray (DANTE)	Active Line Array with Beam Steering, 1 Beam or 2 Beams, independently adjustable 32 x 2,5" Long Excursion Fullrange Drivers with Neodymium Motor Power 16 x 70 wattst, XLR Input, Ethernet, DANTE Dim.: (W x H x D) 80 x 2500 x 103 mm, without bracket	ZL-A 250 AlArray White NEW	1010-0001
		ZL-A 250 AlArray Black NEW	1010-0002
		ZL-A 250 AlArray DANTE White	1010-0003
		ZL-A 250 AlArray DANTE Black	1010-0004



LB CONTROL App
Interface: Ethernet
Windows / Mac OS
Download:
www.lb-lautsprecher.de

ib PA SPEAKERS AND PA SUBWOOFERS

Versatile **PA speakers** for the professional user. All models offer precise acoustic dispersion with a constant beam width and are optimized for high sound pressure levels with balanced sound. The speaker systems offer precise tonal balance so that they can be perfectly combined in complex PA systems for homogenous sound distribution in large listening areas.

The line array module F 208 with its patented AIArray® technology is equipped with a high-frequency array with a switchable dispersion angle of 120° x 10° or 120° x 30°. This allows the throw to be adjusted to the respective acoustic situation. F 208 AIArray can be operated individually or as a line array with two to four elements.



F 208 AIArray

The line array module with patented AIArray technology features a dispersion pattern that can be switched from 120° x 10° to 120° x 30°

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Freilichtbühne
St. Martin in Passeier
South Tyrol
PA system with line arrays



Harry Klein Munich
F 8 A active DJ monitor speakers



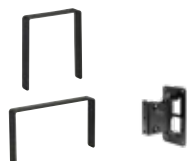
Crowns Club Munich, 48 channel PA system



B 212 B Subwoofer

Double-vented bandpass subwoofer for maximum output with small dimensions

.....



PA Speakers

Model

Order no.

F 8	Compact 2-way PA speaker 8" + 1", dispersion angle (H x V) 80° x 80° Power capacity RMS/program 250 / 500 watts, impedance 8 ohms Dimensions (W x H x D) 250 x 400 x 270 mm Multi-purpose cabinet, black textured varnish, steel grille	F 8 Black	1408-0001
F 8 A	2-way active speaker, power 400 watts + 80 watts XLR and PowerCon connectors, switchable high-pass filter and ground lift	F 8 A Black	1408-0002
UB 8	U-bracket for F 8 incl. mounting accessories, powder-coated, black	UB 8 Black	7114-0013
UB 8 Q	U-bracket for F 8, horizontal mounting, incl. mounting accessories, powder-coated, black	UB 8 Q Black	7114-0014
WH 350	Rotatable/pivotable wall-mount, suitable for F 8	WH 350 Black	7114-0029

F 10	Compact 2-way PA speaker 10" + 1", dispersion angle (H x V) 80° x 60° Power capacity RMS/program 300/600 watts, impedance 8 ohms Dimensions (W x H x D) 320 x 520 x 340 mm Multi-purpose cabinet, black textured varnish, steel grille	F 10 Black	1409-0001
F 10 A	2-way active speaker, power 400 watts + 80 watts XLR and PowerCon connectors, switchable high-pass filter and ground lift	F 10 A Black	1409-0002
UB 10	U-bracket for F 10 incl. mounting accessories, powder-coated, black	UB 10 Black	7114-0015
UB 10 Q	U-bracket for F 10, horizontal mounting, incl. mounting accessories, powder-coated, black	UB 10 Q Black	7114-0016
WH 400	Rotatable/pivotable wall-mount, suitable for F 10	WH 400 Black	7114-0031

F 12	2-way high-power PA speaker 12" + 1.4", dispersion angle (H x V) 80° x 60° Power capacity RMS/program 500 / 1000 watts, impedance 8 ohms Dimensions (W x H x D) 380 x 640 x 370 mm Multi-purpose cabinet, black textured varnish, steel grille	F 12 Black	1410-0001
UB 12	U-bracket for F 12 incl. mounting accessories, powder-coated, black	UB 12 Black	7114-0017
UB 12 Q	U-bracket for F 12, horizontal mounting, incl. mounting accessories, powder-coated, black	UB 12 Q Black	7114-0018



PA Speakers

Model

Order no.

F 15

2-way high-power PA speaker 15" + 1.4", dispersion angle (H x V) 80° x 60°
 Power capacity RMS/program 500 / 1000 watts, impedance 8 ohms
 Dimensions (W x H x D) 440 x 720 x 420 mm
 Multi-purpose cabinet, black textured varnish, steel grille

F 15 Black

1411-0001

UB 15

U-bracket for F 15 incl. mounting accessories, powder-coated, black

UB 15 Black

7114-0019

UB 15 Q

U-bracket for F 15, horizontal mounting, incl. mounting accessories, powder-coated, black

UB 15 Q Black

7114-0020



The **line array module F 208** with its patented **AIArray® technology** is equipped with a high-frequency array with a switchable dispersion angle of 120° x 10° or 120° x 30°. This allows the throw to be adjusted to the respective sound environment. Speakers can be operated individually or as a line array with two to four elements.



Line Array PA Speaker with Switchable Dispersion Angle

F 208 AIArray

2-way PA Speaker 2 x 8" + 6 x 1" with AIArray technology and rotatable horn
 Switchable dispersion angle(H x V) 120° x 10° / 120° x 30°
 Power capacity RMS/program 400 / 800 watts, impedance 8 ohms
 Dimensions (W x H x D) 270 x 520 x 380 mm
 Multi-purpose cabinet, black textured varnish, steel grille

F 208 AIArray Black

1413-0001

UB 208

U-bracket for F 208 incl. mounting accessories, powder-coated, black

UB 208 Black

7114-0022

UB 208 Q

U-bracket for F 208, horizontal mounting, incl. mounting accessories powder-coated, black

UB 208 Q Black

7114-0023

MS 208

Mounting set to connect two F 208 modules in line arrays
 Powder-coated, black

MS 208 Black

7114-0024



Further mounting accessories on request





Rigging Frame

Model

Order no.

FR 208 Rigging frame for line arrays
consisting of 2 – 4 x F 208 AlArray

FR 208

7114-0025

We will be happy to assist you!

PA-Subwoofer

The PA series are **heavy-duty subwoofers** that can be combined with our PA speakers and line arrays. They are designed for high sound pressure levels and continuous operation at maximum power. The new models B 12 B and B 212 B have been developed for an optimal ratio of sound pressure to size.

PA-Subwoofer



B 12 B Compact bandpass subwoofer
12" long excursion driver, impedance 8 ohms
Power capacity RMS/program 500/1000 watts
Dimensions (W x H x D) 520 x 350 x 480 mm
Textured varnish, black, rubber feet, recessed handles

B 12 B Black

1422-0001

B 12 BA
NEW Active bandpass subwoofer with DSP
and 1000 watts amplifier power
Controlled via LB CONTROL App or network commands

B 12 BA Black

1422-0002

B 12 BA DANTE
NEW Version of B 12 BA with additional DANTE-Input

B 12 BA DANTE Black

1422-0003



B 212 B Compact bandpass subwoofer
2 x 12" long excursion driver, impedance 4 ohms
Power capacity RMS/program 1000/2000 watts
Dimensions (W x H x D) 380 x 640 x 580 mm
Textured varnish, black, rubber feet, recessed handles

B 212 B Black

1423-0001



B 18 B Bandpass subwoofer
18" long excursion driver, impedance 8 ohms
Power capacity RMS/program 1250/2500 Watt
Dimensions (W x H x D) 540 x 900 x 620 mm
Textured varnish, black, rubber feet, recessed handles

B 18 B Black

1425-0001

lb PA SERIES AMPLIFIERS AND CONTROLLER AND ACCESSORIES

We offer a comprehensive range of amplifiers for driving our loudspeakers. We develop and manufacture compact amplifiers as well as multi-channel power amplifiers in 19" rack format with two to eight channels and output power from 50 to 800 watts per channel. The circuit design is optimized for very high sound quality and energy efficiency with minimal heat generation.

NEW The **LB CONTROL App** allows you to select speaker presets for all LB loudspeaker models in our DSP power amplifiers. These speaker presets ensure optimal audio performance and operational reliability.

All compact amplifiers with DSP and all 19" power amplifiers are also available with a DANTE interface.



**LB
CONTROL
App**

App for our DSPs. Interface: Ethernet
Windows / Mac OS
Download: www.lb-lautsprecher.de

pa series

PA-S 250 PoE
PoE-Amplifiers for
in-ceiling and on-wall
loudspeakers



8-CHANNEL DANTE INTERFACE FOR PA SERIES

The Dante interface features two RJ 45 ports for audio over Ethernet (primary/secondary). If the primary network connection fails, the module automatically switches to the secondary connection.

Intelligent
amplification.
High Tech
made in Munich



Deutsche Schule
Meran
PA system



Compact Amplifiers

Our **compact amplifiers from the PA-S Series** are smart 2-channel power amplifiers in 1/4 19 inch format with output powers of 30 to 200 watts per channel, Auto on/off function and standby contact. The models PA-S 250 to PA-S 2200 are also equipped with symmetrical inputs and VCA inputs. They can be controlled using the WP-V and RP-V volume control panels or via the DV module and UP/DOWN contacts.



Compact Amplifiers

		Model	Order no.
PA-S 230	2-channel amplifier with Auto-On/Off 2 x 30 watts/4 ohms, 2 x 30 watt/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 230	3005-0016
PA-S 250	Remote-controllable 2-channel amplifier with Auto-On/Off 2 x 50 watts/2 ohms, 2 x 50 watts/4 ohms, 2 x 30 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 250	3005-0001
PA-S 2100	Remote-controllable 2-channel amplifier with Auto-On/Off 2 x 100 watts/2 ohms, 2 x 100 watts/4 ohms, 2 x 60 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 2100	3005-0002
PA-S 2200	Remote-controllable 2-channel amplifier with Auto-On/Off 2 x 200 watts/2 ohms, 2 x 200 watts/4 ohms, 2 x 120 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 2200	3005-0003

Compact Amplifiers with DSP and DANTE

Compact power amplifiers with integrated DSP: The amplifiers have analog and digital inputs (Toslink or DANTE). They are configured using our **LB CONTROL App**. Network commands allow easy remote control and monitoring. In addition to the auto on/off function and on/off-contact, VCA inputs are available for external volume control.



Compact Amplifiers with DSP and DANTE

PA-S 250 DSC PA-S 250 DSC DANTE	2-channel amplifier with DSP and digital inputs (Toslink or DANTE) 2 x 50 watts/2 ohms, 2 x 50 watts/4 ohms, 2 x 30 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 250 DSC PA-S 250 DSC DANTE	3005-0007 3005-0013
PA-S 2100 DSC PA-S 2100 DSC DANTE	2-channel amplifier with DSP and digital inputs (Toslink or DANTE) 2 x 100 watts/2 ohms, 2 x 100 watts/4 ohms, 2 x 60 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 2100 DSC PA-S 2100 DSC DANTE	3005-0008 3005-0014
PA-S 2200 DSC PA-S 2200 DSC DANTE	2-channel amplifier with DSP and digital inputs (Toslink or DANTE) 2 x 200 watts/2 ohms, 2 x 200 watts/4 ohms, 2 x 120 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 2200 DSC PA-S 2200 DSC DANTE	3005-0009 3005-0015

PoE-Compact Amplifier with DSP and DANTE

Compact amplifier with integrated DSP, DANTE interface and power supply via network (PoE). The amplifier is connected via a common ethernet cable for power supply, audio signal and control. The PA-S 250 PoE can drive up to four loudspeakers in decentralized sound systems.



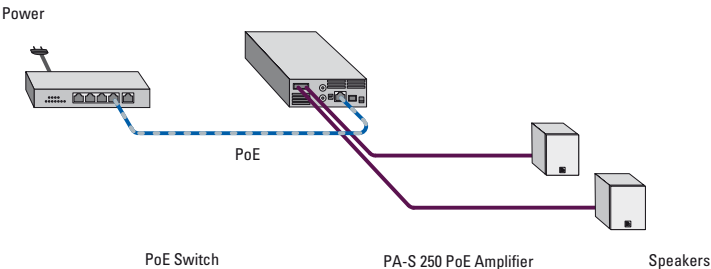
PoE-Compact Amplifier with DSP and DANTE

Model

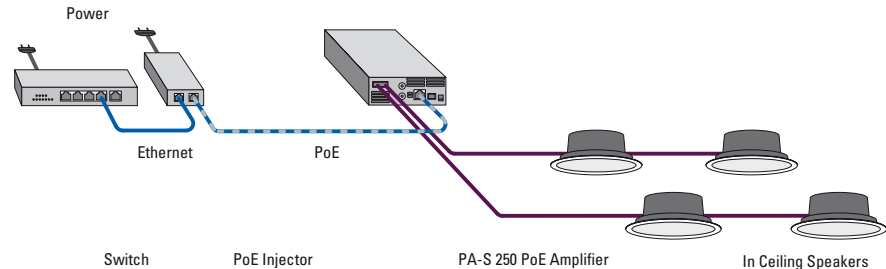
Order no.

PA-S 250 PoE DANTE	2-channel amplifier with DSP, DANTE, power supply via network (PoE) 2 x 50 watts/4 ohms, 2 x 30 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 250 PoE DANTE	3005-0017
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Connection with PoE-Switch



Example with PoE injector, amplifier and built-in speakers in the ceiling



MP PA-S	Mounting plate for PA-S Series
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MP PA-S	3005-0030
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System controllers for processing signals in multichannel PA systems. Our browser-based **LB CONTROL App** offers ten fully parametric filters, a delay of up to two seconds, plus limiters and compressors for every input and output. The mixer matrix can be used to route the inputs to the various outputs as required. The controllers can be configured via Ethernet and controlled and monitored using network commands We can also configure project-specific presets on request.



19" System Controllers

DSC 808	Digital system controller, 8 x Line In sym., 8 x Line Out sym. Interface: Ethernet, 19"/ 1 U, Configuration with LB CONTROL App, control via network commands	DSC 808	3301-0003
DSC 808 DANTE	Digital system controller, 8 x Line In sym. + 8 x DANTE Input, 8 x Line Out sym.+ , interface: Ethernet A/B for DANTE, 19"/ 1 U Configuration with LB CONTROL App, control via network commands	DSC 808 DANTE	3301-0005

19" Multi-Channel Amplifiers

Remote controllable **19" multichannel power amplifiers** with two to eight channels and output power of 100 to 800 watts per channel. These highly efficient power amplifiers deliver an outstanding sound with low heat build-up. The switchable automatic On/Off circuit puts channels not receiving an input signal into a power saving sleep mode. The amplifiers can be equipped with a second input module such as the **8-channel-DANTE-Interface** to process mixed signal types. They are equipped with VCA inputs for external volume control as well as contacts for remote activation and fault signalling.



19" Multi-Channel Amplifiers

Model

Order no.



PA 2100 2x Line In Sym., 2x100 W/2–8 ohms, 1 U
2x Line In Cinch
2x In Dante-Module

PA 2100
PA 2100 CINCH
PA 2100 DANTE

3106-0001
3106-0002
3106-0003



PA 4100 4x Line In Sym., 4x100 W/2–8 ohms, 1 U
4x Line In Cinch
4x In Dante-Module

PA 4100
PA 4100 CINCH
PA 4100 DANTE

3106-0004
3106-0005
3106-0006



PA 6100 6x Line In Sym., 6x100 W/2–8 ohms, 1 U
6x Line In Cinch
6x In Dante-Module

PA 6100
PA 6100 CINCH
PA 6100 DANTE

3106-0007
3106-0008
3106-0009



PA 8100 8x Line In Sym., 8x100 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 8100
PA 8100 CINCH
PA 8100 DANTE

3106-0010
3106-0011
3106-0012



PA 2200 2x Line In Sym., 2x200 W/2–8 ohms, 1 U
2x Line In Cinch
2x In Dante-Module

PA 2200
PA 2200 CINCH
PA 2200 DANTE

3106-0013
3106-0014
3106-0015



PA 4200 4x Line In Sym., 4x200 W/2–8 ohms, 1 U
4x Line In Cinch
4x In Dante-Module

PA 4200
PA 4200 CINCH
PA 4200 DANTE

3106-0016
3106-0017
3106-0018



PA 6200 6x Line In Sym., 6x200 W/2–8 ohms, 1 U
6x Line In Cinch
6x In Dante-Module

PA 6200
PA 6200 CINCH
PA 6200 DANTE

3106-0019
3106-0020
3106-0021



PA 8200 8x Line In Sym., 8x200 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 8200
PA 8200 CINCH
PA 8200 DANTE

3106-0022
3106-0023
3106-0024



	19" Multi-Channel Amplifiers		Model	Order no.
	PA 2400	2x Line In Sym., 2x400 W/2–8 ohms, 1 U 2x Line In Cinch 2x In Dante-Module	PA 2400 PA 2400 CINCH PA 2400 DANTE	3106-0025 3106-0026 3106-0027
	PA 4400	4x Line In Sym., 4x400 W/2–8 ohms, 1 U 4x Line In Cinch 4x In Dante-Module	PA 4400 PA 4400 CINCH PA 4400 DANTE	3106-0028 3106-0029 3106-0030
	PA 6400	6x Line In Sym., 6x400 W/2–8 ohms, 2 U 6x Line In Cinch 6x In Dante-Module	PA 6400 PA 6400 CINCH PA 6400 DANTE	3106-0031 3106-0032 3106-0033
	PA 8400	8x Line In Sym., 8x400 W/2–8 ohms, 2 U 8x Line In Cinch 8x In Dante-Module	PA 8400 PA 8400 CINCH PA 8400 DANTE	3106-0034 3106-0035 3106-0036
	PA 2800	2x Line In Sym. 2x 800W / 2-4 ohms 2x400 W / 8 ohms, 1 U 2x Line In Cinch 2x In Dante-Module	PA 2800 PA 2800 CINCH PA 2800 DANTE	3106-0037 3106-0038 3106-0039
	PA 4800	4x Line In Sym. 4x 800W / 2-4 ohms 4x400 W / 8 ohms, 2 U 4x Line In Cinch 4x In Dante-Module	PA 4800 PA 4800 CINCH PA 4800 DANTE	3106-0040 3106-0041 3106-0042
	PA 6800	6x Line In Sym. 6x 800W / 2-4 ohms 6x400 W / 8 ohms, 2 U 6x Line In Cinch 6x In Dante-Module	PA 6800 PA 6800 CINCH PA 6800 DANTE	3106-0043 3106-0044 3106-0045
	PA 8800	8x Line In Sym., 8x100 W/2–8 ohms 8x 800W / 2-4 ohms 8x400 W / 8 ohms, 2 U 8x Line In Cinch 8x In Dante-Module	PA 8800 PA 8800 CINCH PA 8800 DANTE	3106-0046 3106-0047 3106-0048



19" Multi-Channel Amplifiers with DSP

Power amplifier series with integrated DSP and network connection. The various models are equipped with eight inputs (balanced, RCA, or DANTE) and two to eight outputs. The amplifiers are configured via Ethernet using our **LB CONTROL App** and controlled and monitored using network commands. When equipped with a second input module, such as the 8-channel DANTE interface, analog and digital signals can be processed. VCA inputs, as well as contacts for remote activation and fault detection, allow integration into public address systems.



PA 2100 DSC
NEW 8x Line In Sym., 2x100 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

Model

Order no.

PA 2100 DSC 3106-0149
PA 2100 DSC CINCH 3106-0150
PA 2100 DSC DANTE 3106-0151



PA 4100 DSC
NEW 8x Line In Sym., 4x100 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 4100 DSC 3106-0152
PA 4100 DSC CINCH 3106-0153
PA 4100 DSC DANTE 3106-0154



PA 6100 DSC
NEW 8x Line In Sym., 6x100 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 6100 DSC 3106-0155
PA 6100 DSC CINCH 3106-0156
PA 6100 DSC DANTE 3106-0157



PA 8100 DSC 8x Line In Sym., 8x100 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 8100 DSC 3106-0058
PA 8100 DSC CINCH 3106-0059
PA 8100 DSC DANTE 3106-0060



PA 2200 DSC
NEW 8x Line In Sym., 2x200 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 2200 DSC 3106-0161
PA 2200 DSC CINCH 3106-0162
PA 2200 DSC DANTE 3106-0163



PA 4200 DSC
NEW 8x Line In Sym., 4x200 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 4200 DSC 3106-0164
PA 4200 DSC CINCH 3106-0165
PA 4200 DSC DANTE 3106-0166



PA 6200 DSC
NEW 8x Line In Sym., 6x200 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 6200 DSC 3106-0167
PA 6200 DSC CINCH 3106-0168
PA 6200 DSC DANTE 3106-0169



PA 8200 DSC 8x Line In Sym., 8x200 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 8200 DSC 3106-0070
PA 8200 DSC CINCH 3106-0071
PA 8200 DSC DANTE 3106-0072



19" Multi-Channel Amplifiers with DSP



PA 2400 DSC
NEW 8x Line In Sym., 2x400 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

Model

Order no.

PA 2400 DSC 3106-0173
PA 2400 DSC CINCH 3106-0174
PA 2400 DSC DANTE 3106-0175



PA 4400 DSC
NEW 8x Line In Sym., 4x400 W/2–8 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 4400 DSC 3106-0176
PA 4400 DSC CINCH 3106-0177
PA 4400 DSC DANTE 3106-0178



PA 6400 DSC
NEW 8x Line In Sym., 6x400 W/2–8 ohms, 2 U
8x Line In Cinch
8x In Dante-Module

PA 6400 DSC 3106-0179
PA 6400 DSC CINCH 3106-0180
PA 6400 DSC DANTE 3106-0181



PA 8400 DSC 8x Line In Sym., 8x400 W/2–8 ohms, 2 U
8x Line In Cinch
8x In Dante-Module

PA 8400 DSC 3106-0082
PA 8400 DSC CINCH 3106-0083
PA 8400 DSC DANTE 3106-0084



PA 2800 DSC
NEW 8x Line In Sym., 2x800 W / 2-4 ohms, 1 U
8x Line In Cinch
8x In Dante-Module

PA 2800 DSC 3106-0185
PA 2800 DSC CINCH 3106-0186
PA 2800 DSC DANTE 3106-0187



PA 4800 DSC
NEW 8x Line In Sym., 4x800 W / 2-4 ohms, 2 U
8x Line In Cinch
8x In Dante-Module

PA 4800 DSC 3106-0188
PA 4800 DSC CINCH 3106-0189
PA 4800 DSC DANTE 3106-0190



PA 6800 DSC
NEW 8x Line In Sym., 6x800 W / 2-4 ohms, 2 U
8x Line In Cinch
8x In Dante-Module

PA 6800 DSC 3106-0191
PA 6800 DSC CINCH 3106-0192
PA 6800 DSC DANTE 3106-0193



PA 8800 DSC 8x Line In Sym., 8x800 W / 2-4 ohms, 2 U
8x Line In Cinch
8x In Dante-Module

PA 8800 DSC 3106-0094
PA 8800 DSC CINCH 3106-0095
PA 8400 DSC DANTE 3106-0096



SMART BACK SIDES

The power amplifiers feature two rear slots for input modules, each with two to eight channels. They can be equipped with symmetrical line inputs, cinch inputs or a Dante interface (also in combination). This allows different signal types and signal combinations to be processed. DIP switches can be used to switch the automatic on/off circuits, input

sensitivity, parallel and bridge mode separately for all channels. VCA inputs per channel enable external volume control. The amplifiers can be switched on or off via a contact.



Input Modules and Accessories for Amplifiers

pa series



Input modules with two to eight channels for the 19" power amplifiers

		Model	Order no.
2xIN-SYM	Input-Module 2 x Line In, symmetrical, pluggable screwtype terminals	2xIN-SYM	3108-0001
4xIN-SYM	Input-Module 4 x Line In, symmetrical, pluggable screwtype terminals	4xIN-SYM	3108-0002
6xIN-SYM	Input-Module 6 x Line In, symmetrical, pluggable screwtype terminals	6xIN-SYM	3108-0003
8xIN-SYM	Input-Module 8 x Line In, symmetrical, pluggable screwtype terminals	8xIN-SYM	3108-0004
2xIN-CINCH	Input-Module 2 x Line In, asymmetrical, Cinch connectors	2xIN-CINCH	3108-0005
4xIN-CINCH	Input-Module 4 x Line In, asymmetrical, Cinch connectors	4xIN-CINCH	3108-0006
6xIN-CINCH	Input-Module 6 x Line In, asymmetrical, Cinch connectors	6xIN-CINCH	3108-0007
8xIN-CINCH	Input-Module 8 x Line In, asymmetrical, Cinch connectors	8xIN-CINCH	3108-0008
DANTE 8x8	Dante interface for Audio over Ethernet, 2 x RJ 45 (Primary/Secondary)	DANTE 8x8	3108-0009

Transformer for 100 V systems and external volume controls



PA-T 2050	100 V transformer module, 2 x 50 watts, torodial core	PA-T 2050	3109-0001
PA-T 100	100 V transformer module, 100 watts, torodial core	PA-T 100	3109-0002
PA-T 200	100 V transformer module, 200 watts, torodial core	PA-T 200	3109-0003
PA-T 400	100 V transformer module, 400 watts, torodial core	PA-T 400	3109-0004
PA-T 800	100 V transformer module, 800 watts, torodial core	PA-T 800	3109-0007
PA-T 1U	Rack cradle, 1 U for 4 x PA-T 2050, 4 x PA-T 100, 2 x PA-T 200, PA-T 400 or PA-T 800	PA-T 1U	3109-0005
WP-V	Wall panel, volume control for power amplifiers of PA Series Regulation and On/Mute via VCA for surface boxes	WP-V	3401-0002
RP-V	Rack panel, volume control for power amplifiers of PA Series Regulation and On/Mute via VCA for 19" rack mount RP-1U	RP-V	3402-0002
WP-0	Wall panel, blank panel	WP-0	3401-0001
RP-0	Rack panel, blank panel	RP-0	3402-0001
RP-1U	Rack mount 1 U for 6 x RP panel	RP-1U	3402-0016
DV-Modul	Digitale volume control, regulation with dual push buttons (Up/Down contacts) via VCA inputs	DV-Modul	3109-0006



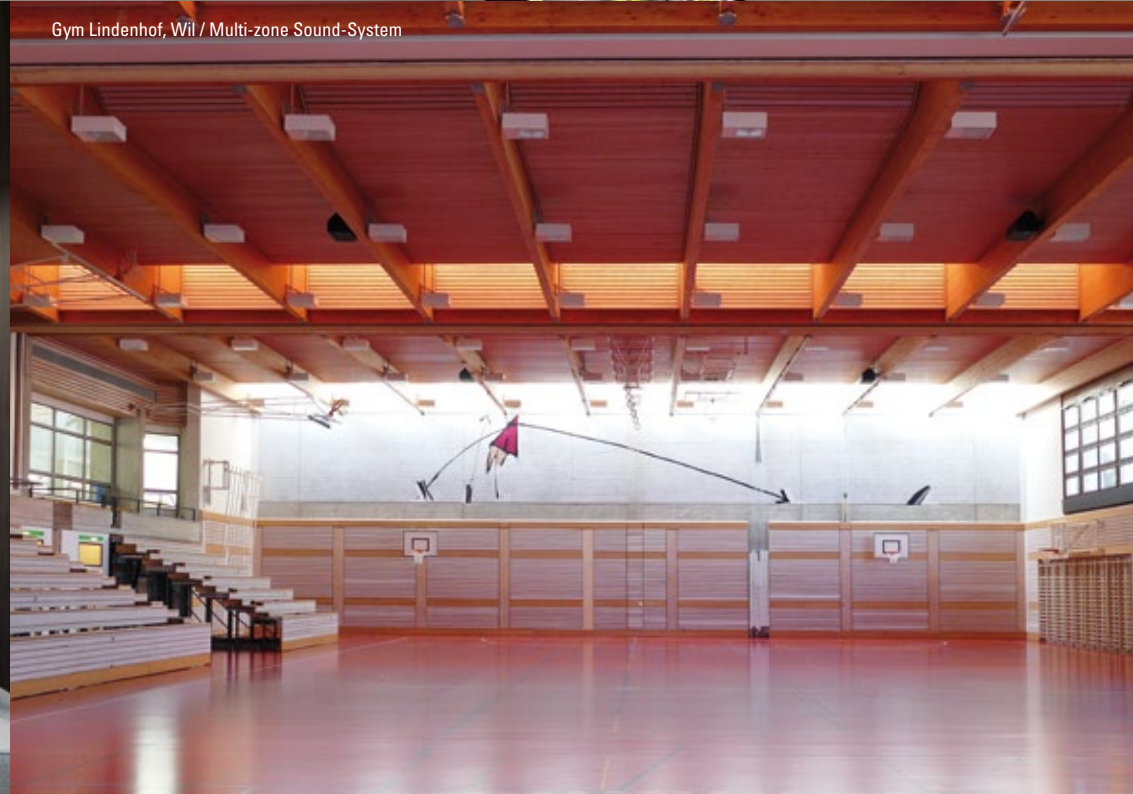
Church / Sound-System with Line Arrays



Architecture Biennial Venice - Swiss Pavilion / Installation with Directional Speakers RL 110



Private Mansion Austria / Invisible Sound-System



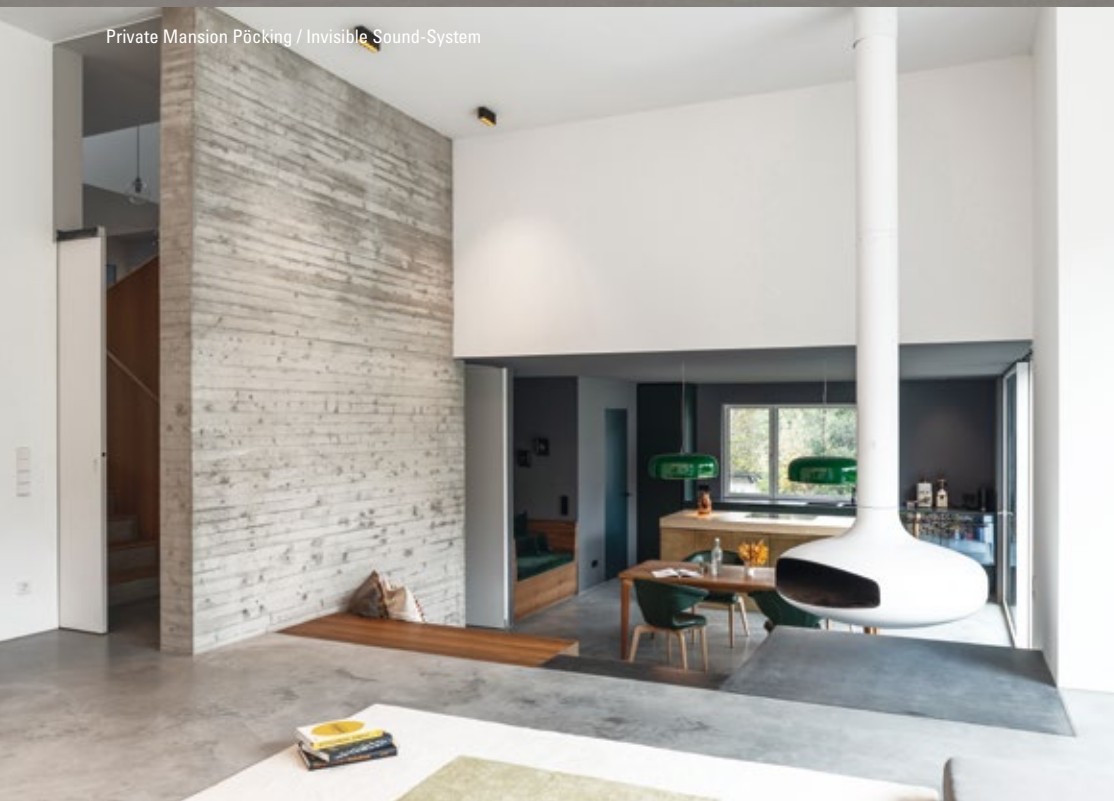
Gym Lindenhof, Wil / Multi-zone Sound-System



James Simon Gallery, Berlin / Voice Alarm System with trimless In-Wall / In-Ceiling Speakers



Shop, Munich / DE Plan inside ©Alexander Heisig, HiFi Concept Living



Private Mansion Pöcking / Invisible Sound-System



Wittmann Company, Lohhof / Conference room with active Soundbar SB-A CAM+

**LB Lautsprecher
und Beschallungstechnik GmbH**

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Errors and omissions excepted.



DEVELOPMENT AND PRODUCTION

We work closely with customers, planners and architects to develop our sophisticated speakers and amplifiers. Special designs, tailored sound dispersion characteristics and patented details are just some of the unique features that make our sound systems the perfect building blocks for multimedia installations and speech reinforcement systems. All LB products are developed and manufactured in accordance with **ISO 9001:2015**.

We work with regional suppliers and use the highest quality components. Designed with sustainability in mind, every part is long lasting and energy efficient. Our products are easy to maintain and service thanks to their modular design. We offer a **five-year warranty** on our products.

pure listening 

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