



Lautsprecher und
Beschallungstechnik

PRODUCTS

2025

PURE LISTENING – LB LAUTSPRECHER
AUDIO COMPONENTS MADE IN MUNICH

What has inspired our work for more than 30 years is an enthusiasm for music and acoustics.

Our aim is to make the spatial dimensions and emotional depth of language and music come alive.

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 2025

NEW HIGHLIGHTS

ACTIVE LINE ARRAYS WITH BEAM STEERING	WITH DSP ETHERNET TOSLINK OPTIONAL DANTE	In-Wall / In-Ceiling Speakers	4
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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.

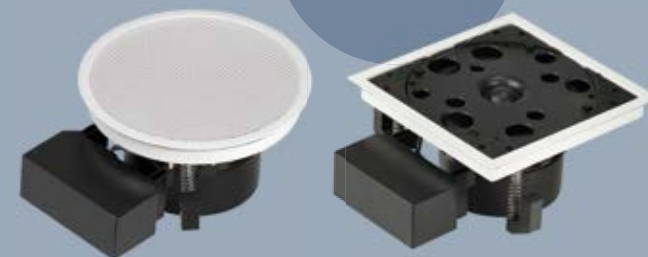
Depending on requirements and room/situation, the various models in the DE series can be combined to create impressive and visually harmonious sound systems.

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**

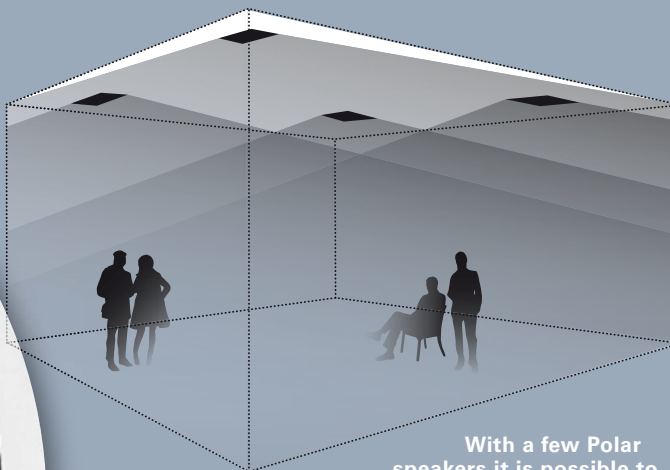
ULTRA-COMPACT STRUCTURE



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



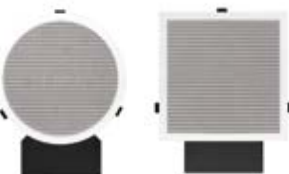
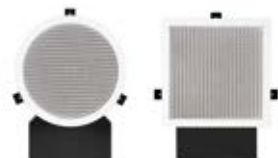
With a few Polar speakers it is possible to homogeneously fill a room with sound.



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



1.2 mm
Installation
height



Small In-Wall / In-Ceiling Speakers

Model

Order no.

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 T	100 V version, power 2.5/5/10 watts
DE 100 Q	Square, otherwise like DE 100 Dimensions 102 × 102 mm, cutout size 96 × 96 mm, mounting depth 55 mm
DE 100 QT	Square, 100 V version, power 2.5/5/10 watts

DE 100 White	0101-0001
DE 100 Black	0101-0009
DE 100 T White	0101-0003
DE 100 T Black	0101-0010
DE 100 Q White	0101-0005
DE 100 Q Black	0101-0011
DE 100 QT White	0101-0007
DE 100 QT Black	0101-0012

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.

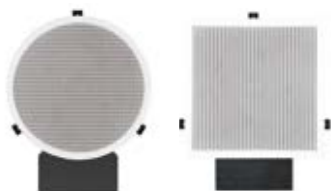
Polar In-Ceiling Speakers with 180° Dispersion Angle

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 T Polar	100 V version, power 7.5/15/30 watts
DE 140 Q Polar	Square, otherwise like DE 140 Polar Dimensions 144 × 144 mm, cutout size 128 × 128 mm, mounting depth 83 mm
DE 140 QT Polar	Square, 100 V version, power 7.5/15/30 watts

DE 140 Polar White	0102-0013
DE 140 Polar Black	0102-0009
DE 140 T Polar White	0102-0014
DE 140 T Polar Black	0102-0010
DE 140 Q Polar White	0102-0015
DE 140 Q Polar Black	0102-0011
DE 140 QT Polar White	0102-0016
DE 140 QT Polar Black	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 T Polar	100 V version, power 7.5/15/30 watts
DE 170 Q Polar	Square, otherwise like DE 170 Polar Dimensions 174 × 174 mm, cutout size 158 × 158 mm, mounting depth 88 mm
DE 170 QT Polar	Square, 100 V version, power 7.5/15/30 watts

DE 170 Polar White	0103-0013
DE 170 Polar Black	0103-0009
DE 170 T Polar White	0103-0014
DE 170 T Polar Black	0103-0010
DE 170 Q Polar White	0103-0015
DE 170 Q Polar Black	0103-0011
DE 170 QT Polar White	0103-0016
DE 170 QT Polar Black	0103-0012



Polar In-Ceiling Speakers with 180° Dispersion Angle

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

DE 200 Q Polar Square, otherwise like DE 200 Polar
Dimensions 192 × 192 mm, cutout size 176 × 176 mm, mounting depth 100 mm

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

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 × 192 mm, cutout size 176 × 176 mm, mounting depth 102 mm

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

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

Model

Order no.

DE 200 Polar White 0104-0053
DE 200 Polar Black 0104-0037

DE 200 T Polar White 0104-0054
DE 200 T Polar Black 0104-0038

DE 200 Q Polar White 0104-0055
DE 200 Q Polar Black 0104-0039

DE 200 QT Polar White 0104-0056
DE 200 QT Polar Black 0104-0040

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

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 × 192 mm, cutout size 176 × 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



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°)

		Model	Order no.
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 CD White	0104-0061
		DE 200 CD Black	0104-0045
DE 200 CDQ	Square, otherwise like DE 200 CD Dimensions 192 × 192 mm, cutout size 176 × 176 mm, mounting depth 100 mm	DE 200 CDQ White	0104-0062
		DE 200 CDQ Black	0104-0046

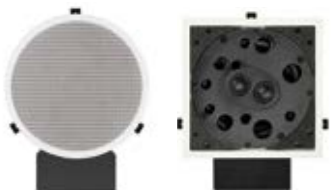
DE 300 CDR	3-way in-wall speaker with CD characteristics 80° dispersion angle, power capacity RMS/program 120/240 watts, 4 ohms Dimensions 358 × 192 mm, cutout size 342 × 176 mm, mounting depth 100 mm	DE 300 CDR White DE 300 CDR Black	0105-0003 0105-0010
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The 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 × 192 mm, cutout size 342 × 176 mm, mounting depth 150 mm	DE 300 FR White DE 300 FR Black	0105-0005 0105-0011
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In-Ceiling Stereo Speakers

DE 200 ST Polar Stereo 2-way in-ceiling speaker with Polar technology
Power capacity RMS/program 2 × 40 / 80 watts
Impedance 2 × 8 ohms, overall diameter 192 mm
Cutout diameter 176 mm, mounting depth 100 mm

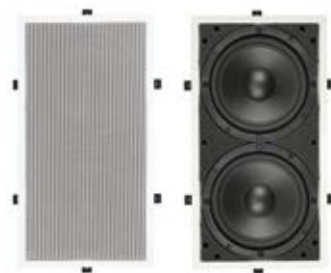
DE 200 STQ Polar Square, otherwise like DE 200 ST Polar
Dimensions 192 × 192 mm, cutout size 176 × 176 mm
Mounting depth 100 mm

Model

Order no.

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 Subwoofers

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

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

DE 300 SUB White 0105-0013
DE 300 SUB Black 0105-0012



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 200 × 200 × 100 mm	EG 100	2101-0001
EG 140	Back box for DE 140 and DE-X 140, synthetic material, dimensions 270 × 250 × 100 mm	EG 140	2201-0001
EG 140 Q	Back box for DE 140 Q and DE-X 140 Q, synthetic material, dimensions 270 × 250 × 100 mm	EG 140 Q	2202-0001
EG 170	Back box for DE 170 and DE-X 170, synthetic material, dimensions 300 × 250 × 120 mm	EG 170	2218-0001
EG 170 Q	Back box for DE 170 Q and DE-X 170 Q, synthetic material, dimensions 300 × 250 × 120 mm	EG 170 Q	2219-0001
EG 200	Back box for DE 200 and DE-X 200, synthetic material, dimensions 350 × 300 × 120 mm	EG 200	2203-0001
EG 200 Q	Back box for DE 200 Q and DE-X 200 Q, synthetic material, dimensions 350 × 300 × 120 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 500 × 350 × 140 mm	EG 300	2205-0001
EG 300 FR	Back box for DE 300 FR and DE-X 300 FR Synthetic material, dimensions 500 × 350 × 180 mm	EG 300 FR	2206-0001

Back Boxes for DE and DE-X for Concrete Ceilings

EGB 140	Back box for concrete ceilings for DE 140 and DE-X 140 Synthetic material, dimensions 270 × 250 × 124 mm, incl. rigid foam spacer	EGB 140	2207-0001
EGB 140 Q	Back box for concrete ceilings for DE 140 Q and DE-X 140 Q Synthetic material, dimensions 270 × 250 × 124 mm, incl. rigid foam spacer	EGB 140 Q	2208-0001
EGB 170	Back box for concrete ceilings for DE 170 and DE-X 170 Synthetic material, dimensions 300 × 250 × 144 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 300 × 250 × 144 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 350 × 300 × 144 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 350 × 300 × 144 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 500 × 350 × 164 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 500 × 350 × 204 mm, incl. rigid foam spacer	EGB 300 FR	2212-0001

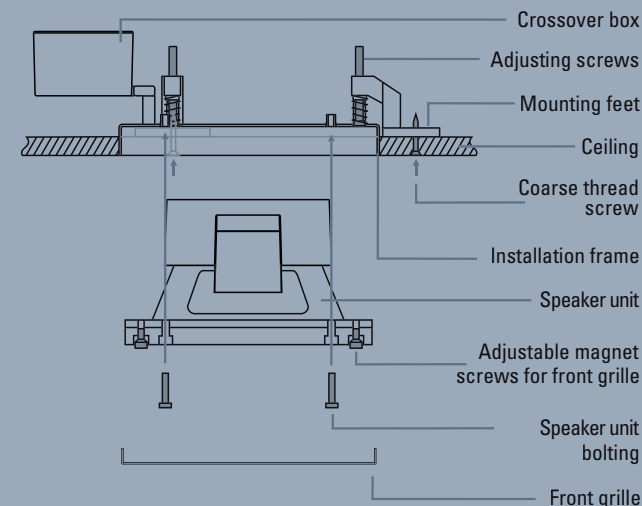
TRIMLESS IN-WALL/ IN-CEILING SPEAKERS

Universal **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.

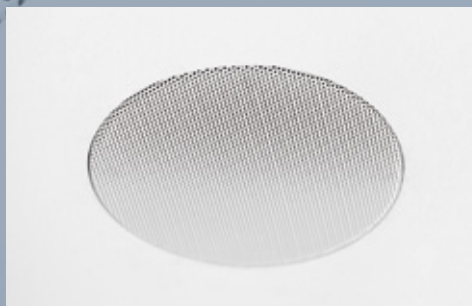
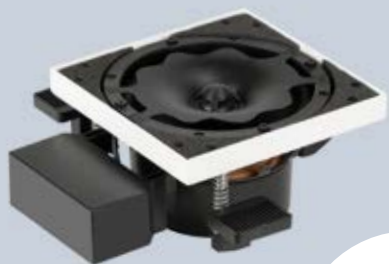
The line array module F 208 with its patented AIArray® technology is equipped with a high-frequency array with a switchable dispersion angle of 120° x 10° or 120° x 30°.

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.

- **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
DE-X 200 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

Model

Order no.

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 × 170 mm, cutout size 176 × 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
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 × 170 mm, cutout size 342 × 176 mm, mounting depth 100 mm	DE-X 300 R Polar White	0350-0001

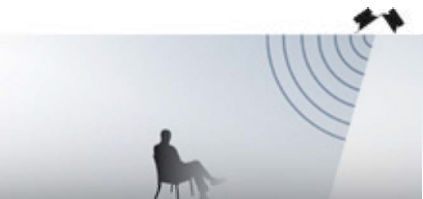
Trimless In-Ceiling Speakers with Reduced Mounting Depth (48 mm)

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 × 170 mm, cutout size 176 × 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

The models **DE-X 200 CD** and **DE-X 300 CDR** are trimless high-performance two-way inwall 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 × 170 mm, cutout size 176 × 176 mm, mounting depth 100 mm	DE-X 200 CDQ White	0340-0018



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

Model

Order no.

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 336 × 170 mm, Cutout size 342 × 176 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

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

DE-X 300 FR White

0350-0002

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 × 40 / 80 watts, 2 × 8 ohms
Overall diameter (grille) 170 mm, cutout diameter 176 mm, mounting depth 100 mm

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 × 176 mm, mounting depth 100 mm

DE-X 200 STQ Polar White

0340-0016

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 × 170 mm, cutout size 342 × 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



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 140	Back box for DE 140 and DE-X 140, synthetic material, dimensions 270×250×100 mm	EG 140	2201-0001
EG 140 Q	Back box for DE 140 Q and DE-X 140 Q, synthetic material, dimensions 270×250×100 mm	EG 140 Q	2202-0001
EG 170	Back box for DE 170 and DE-X 170, synthetic material, dimensions 300×250×120 mm	EG 170	2218-0001
EG 170 Q	Back box for DE 170 Q and DE-X 170 Q, synthetic material, dimensions 300×250×120 mm	EG 170 Q	2219-0001
EG 200	Back box for DE 200 and DE-X 200, synthetic material, dimensions 350×300×120 mm	EG 200	2203-0001
EG 200 Q	Back box for DE 200 Q and DE-X 200 Q, synthetic material, dimensions 350×300×120 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 500×350×140 mm	EG 300	2205-0001
EG 300 FR	Back box for DE 300 FR and DE-X 300 FR Synthetic material, dimensions 500×350×180 mm	EG 300 FR	2206-0001

Back Boxes for DE and DE-X for Concrete Ceilings

EGB 140	Back box for concrete ceilings for DE 140 and DE-X 140 Synthetic material, dimensions 270×250×124 mm, incl. rigid foam spacer	EGB 140	2207-0001
EGB 140 Q	Back box for concrete ceilings for DE 140 Q and DE-X 140 Q Synthetic material, dimensions 270×250×124 mm, incl. rigid foam spacer	EGB 140 Q	2208-0001
EGB 170	Back box for concrete ceilings for DE 170 and DE-X 170 Synthetic material, dimensions 300×250×144 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 300×250×144 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 350×300×144 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 350×300×144 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 500×350×164 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 500×350×204 mm, incl. rigid foam spacer	EGB 300 FR	2212-0001

lb INVISIBLE SPEAKERS

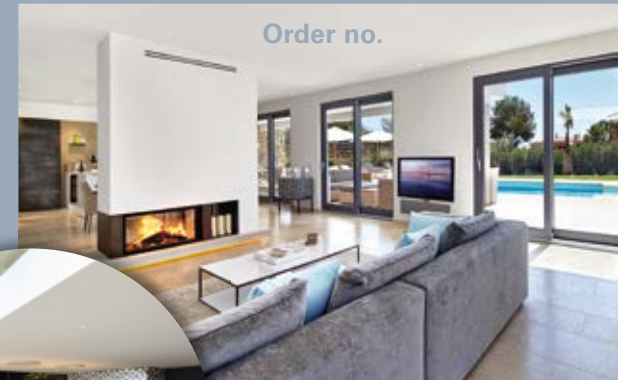
PUSHING THE LIMITS Our **DE Plan series** consolidates all of our experience since 1999 in developing invisible speakers, redefining what is technically possible with speakers of this kind. The combination of flat-membrane woofers, high-frequency exciters, and the latest generation of **de:shape®** membranes 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



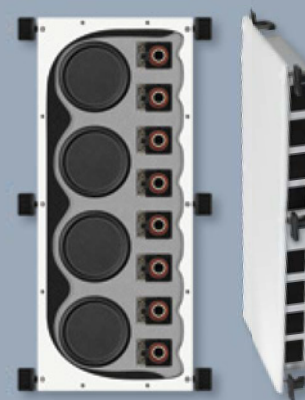
Order no.

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



inveoo Showroom Vienna
Invisible Dolby Atmos multi-room
sound system

DE PLAN SERIES CONSTRUCTION AND MOUNTING IN DRYWALLS



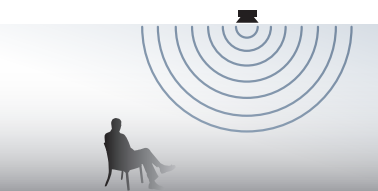
alarray®
adapted line array

**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 with an adjustable vertical beam. It can be installed in walls or ceilings and enables sound dispersion to be adjusted to the listening zone. The system is controlled using our PA-series multichannel DSP power amplifiers and the dispersion direction is programmed using our **LB CONTROL APP**.



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®

DEplan®



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 × 240 mm, cutout size 304 × 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 × 30 / 60 watts, impedance 2 × 8 ohms Dimensions 300 × 240 mm, cutout size 304 × 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 × 300 mm, cutout size 424 × 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 500 S	2-way planar transducer with small construction and wide dispersion angle (180°) Power capacity RMS/program 80 / 160 watts, impedance 8 ohms Dimensions 540 × 140 mm, cutout size 544 × 144 mm, mounting depth 72 mm Incl. installation frame and kit	DE Plan 500 S	0405-0001

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.



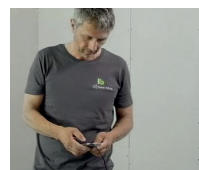
Insert frame and secure feet.



Remove frame.



Insert loudspeaker system, secure...



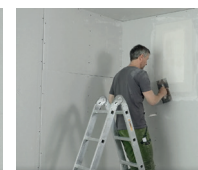
... and test functioning.



Adjust fastening screws, spatula smooth and polish.



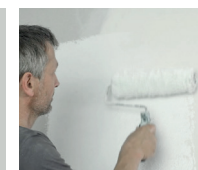
Stretch out glas fiber fabric, smooth down and leave to dry.



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 Speakers

Model

Order no.

DE Plan 600 2-way planar transducer with wide dispersion angle (180°)
Power capacity RMS/program 180 / 360 watts, impedance 6 ohms
Dimensions 620 × 300 mm, cutout size 624 × 304 mm, mounting depth 72 mm
Incl. assembly frame and kit

DE Plan 600

0403-0002

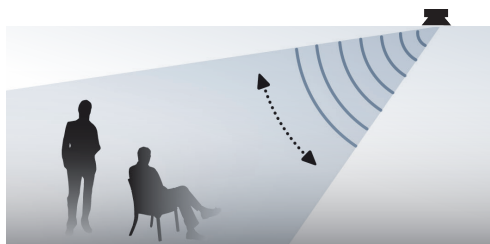
Invisible 4-Channel Line-Array

DE Plan 800 AIArray 4-channel planar transducer with adjustable beam direction
Power capacity RMS/program 4 × 60/120 watts, impedance 4 × 8 ohms
Dimensions 300 × 720 mm, cutout size 304 × 724 mm, mounting depth 72 mm
Incl. installation frame and kit

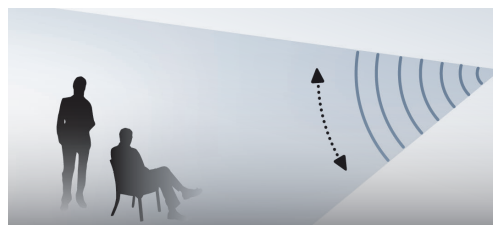
DE Plan 800 AIArray

0409-0001

Only in combination with system power amplifiers of the PA DSC Series



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



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

In the case of the **DE Plan 800 AIArray**, the dispersion direction is set by programming the corresponding DSP power amplifiers using our browser-based **LB CONTROL App**. The required angle is set by selecting the appropriate preset from the preset library in 1° up to 3° increments. In addition to selection of the dispersion direction, the software also provides the usual setting options such as parametric EQs, delays, compressors, and limiters. Project-specific presets available on request.



PA Series
DSP power amplifiers for driving the passive multi channel line arrays starting on page 45

LB CONTROL APP

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



Invisible In-Wall / In-Ceiling Subwoofer

DE Plan 800 SUB

0408-0001

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

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

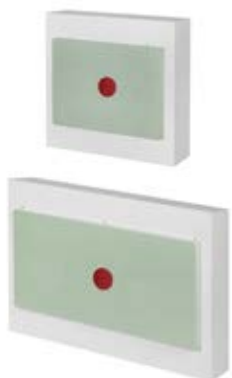


DE Plan Back Boxes

Model

Order no.

EG Plan 200	Back box for DE Plan 200, synthetic material, dimensions 400 × 350 × 100 mm	EG Plan 200	2301-0001
EG Plan 400	Back box for DE Plan 400, synthetic material, dimensions 500 × 480 × 120 mm	EG Plan 400	2302-0001
EG Plan 500 S	Back box for DE Plan 500 S, synthetic material, dimensions 620 × 240 × 100 mm	EG Plan 500 S	2303-0001
EG Plan 600	Back box for DE Plan 600, synthetic material, dimensions 700 × 480 × 120 mm	EG Plan 600	2304-0001
EG Plan 800	Back box for DE Plan 800, synthetic material, dimensions 800 × 480 × 120 mm	EG Plan 800	2310-0001

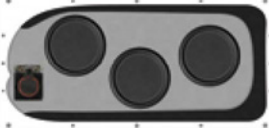


DE Plan Back Boxes for Concrete Ceilings

EGB Plan 200	Back box for concrete ceilings for DE Plan 200 Synthetic material, dimensions 400 × 350 × 128 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 500 × 480 × 148 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 × 240 × 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 700 × 480 × 148 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 800 × 480 × 148 mm, incl. rigid foam spacer	EGB Plan 800	2309-0001

DE Plan inside for Furniture Build-In

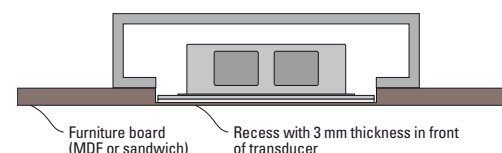
The special built-in versions of the **DE Plan inside® series** can be installed in furniture and wall panels. The speakers are back-mounted onto the front of furniture or panels made of wood, MDF or similar materials and directly resonate through these surfaces. As the radiating surface is driven without an intermediary membrane, DE Plan inside speakers achieve high efficiency and a wide linear frequency range. These speakers should be adapted to different built-in materials and room acoustics using our **DSP amplifiers**.

	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 302 x 242 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 302 x 242 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 422 x 302 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 400 inside	0412-0001
	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 542 x 142 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 500 S inside	0415-0001
	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 622 x 302 mm, mounting depth 72 mm Incl. installation accessories	DE Plan 600 inside	0413-0001



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



INSTALLATION SERIES

Our **installation series** includes universal speaker models that can be installed in a variety of ways, for example 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 home audio systems as well as in installations for media spaces, presentation areas, and hospitality venues.

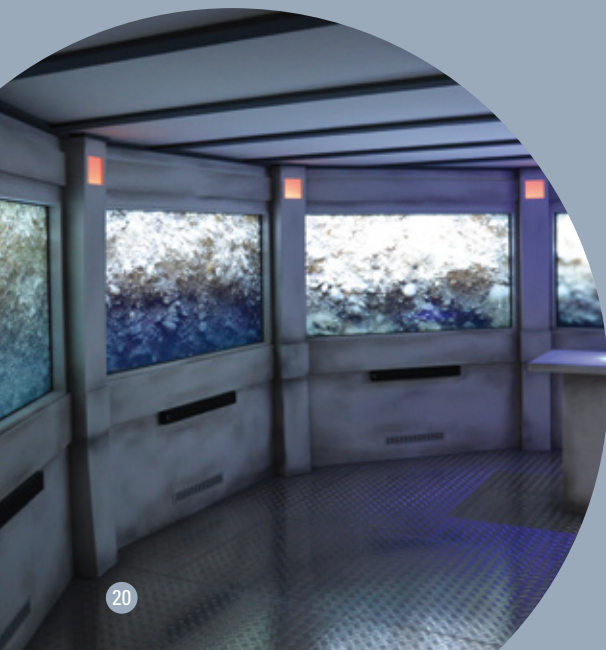
Thanks to their balanced sound, they can be perfectly combined with the corresponding models from our built-in speaker series.

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

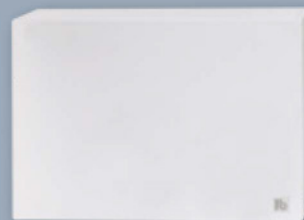


Technisches Museum Wien
Large-area sound system with
Cylinder speakers FZ 180 Polar

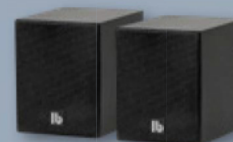
Buga Erfurt
Multi channel sound system
with S 403 speakers



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



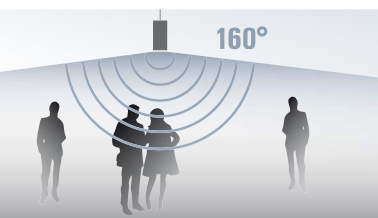
NEW SUB 40 F und SUB 40 FA
Ultra flat Subwoofer,
also as an active version and
with DANTE



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



On-Wall Speakers

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

Model

DA 180 White
DA 180 Black
DA 180 T White
DA 180 T Black

Order no.

0501-0001
0501-0002
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 T Polar	100 V version, power 7.5/15/30 watts
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 QT Polar	100 V version, power 7.5/15/30 watts

DA 250 Polar White
DA 250 Polar Black
DA 250 T Polar White
DA 250 T Polar Black
DA 250 Q Polar White
DA 250 Q Polar Black

0511-0001
0511-0002
0511-0003
0511-0004
0511-0005
0511-0006
0511-0007
0511-0008

Cylindric Speakers

FZ 110	Cylindric full-range speaker with electronic equalization Power capacity RMS/program 20 / 40 watts, 8 ohms Diameter 110 mm, lenght 190 mm
FZ 110 T	100 V version, power 2.5/5/10 watts
WH 110	Rotatable/pivotable L-bracket with assembly plate Suitable for RL 110 / FZ 110, incl. safety rope
SR 300	Stainless steel rope for pendant mounting, lenght 3 m, thickness 1 mm, one side with loop

FZ 110 White
FZ 110 Black
FZ 110 T White
FZ 110 T Black
WH 110 White
WH 110 Black

0601-0001
0601-0002
0601-0003
0601-0004
7109-0001
7109-0002
7109-0003



Cylindric Polar Speakers with 160° Dispersion Angle

		Model	Order no.
FZ 140 Polar NEW	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, lenght 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 300	Stainless steel rope for pendant mounting, lenght 3 m, thickness 1 mm, one side with loop	SR 300	7109-0003

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, lenght 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

Cylindric 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, lenght 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 300-16	Stainless steel rope for pendant mounting, lenght 3 m, thickness 1.6 mm, one side with loop	SR 300-16	7109-0008



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 × H × D) 80 × 100 × 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
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 × V) 100° × 100°, power capacity RMS/program 80 / 160 watts Impedance 8 ohms, dimensions (W × H × D) 80 × 700 × 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

Other colours and customized versions on request



Monitor Speakers

		Model	Order no.
F 4	Very linear 2-way speaker with CD characteristics, dispersion angle (H × V) 90° × 90° Power capacity RMS/program 50 / 100 watts, impedance 8 ohms Dimensions (W × H × D) 140 × 250 × 180 mm, semi-matte varnish, steel grille	F 4 White F 4 Black	0702-0001 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 × V) 90° × 90° Power capacity RMS/program 90 / 180 watts, impedance 8 ohms Dimensions (W × H × D) 215 × 350 × 260 mm, semi-matte varnish, steel grille	F 6 White F 6 Black	0704-0001 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 F4/F6	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 NEW	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 NEW	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 NEW	like SUB 40 FA, additionally with DANTE interface	SUB 40 FA DANTE White	1340-0005
		SUB 40 FA DANTE Black	1340-0006

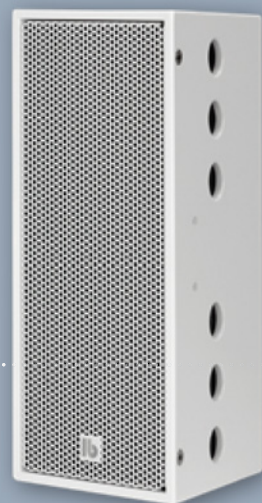
ib DIRECTIONAL SPEAKERS

The **RL series** includes 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

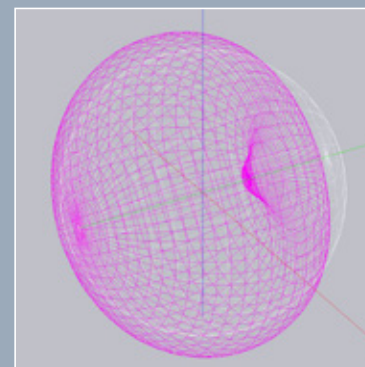
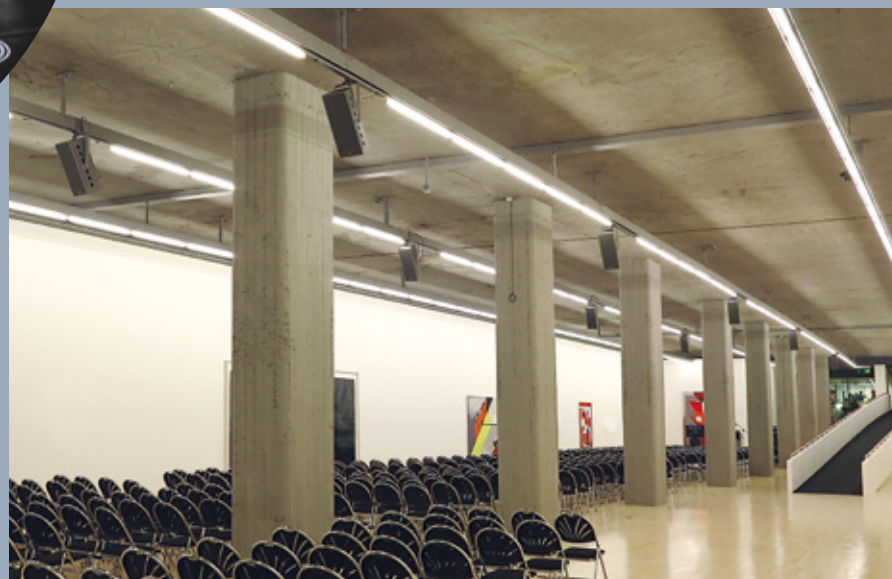
The **RL 110 Series** was specially designed for targeted sound transmission at exhibitions and museums

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

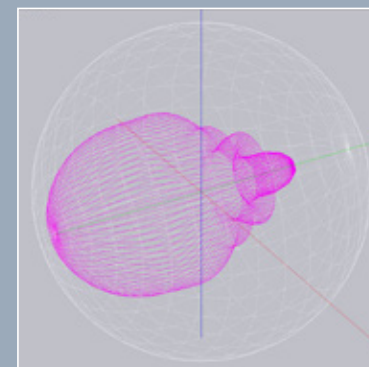


RL 204 SN
2-way directional speaker with supercardioid pattern for targeted sound transmission in rooms with long reverberation time

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 high level of sound focus with minimum lateral and rear dispersion across the entire frequency range.



Directional Speakers with Narrow Dispersion Angle (80°)

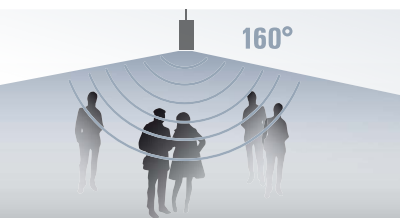
		Model	Order no.
RL 110	Full-range directional speaker with narrow dispersion angle (80°) Power capacity RMS/program 20 / 40 watts, 8 ohms Diameter 110 mm, length 190 mm	RL 110 White	0901-0001
		RL 110 Black	0901-0002
RL 110 T	100 V version, power 2.5/5/10 watts	RL 110 T White	0901-0003
		RL 110 T Black	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 300	Stainless steel rope for pendant mounting, length 3 m, thickness 1 mm, one side with loop	SR 300	7109-0003



Thanks to its cardioid pattern, the **RL 180 N Polar®** is especially suitable for consistent sound transmission from the in-ceiling sound system in indoor spaces with long reverberation times.



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, length 280 mm

RL 180 N Polar White
RL 180 N Polar Black

0903-0001
0903-0002

RL 180 NT Polar 100 V version, power 7.5/15/30 watts

RL 180 NT Polar White
RL 180 NT Polar Black

0903-0003
0903-0004

WH 180 Rotatable /pivotable L-bracket with assembly plate
Suitable for RL 180 / FZ 180, incl. safety rope

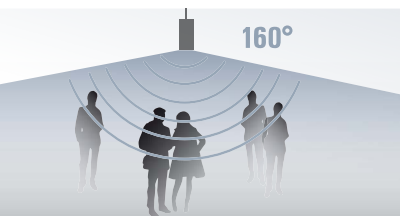
WH 180 White
WH 180 Black

7109-0006
7109-0007

SR 300-16 Stainless steel rope for pendant mounting
Length 3 m, thickness 1.6 mm, one side with loop

SR 300-16

7109-0008



The **RL 180 NT EVAC** is a 2-way speaker that is certified in accordance with **EN 54-24** and designed to be suspended from ceilings in indoor spaces with long reverberation times. The proven Polar® technology achieves a constantly wide dispersion angle at medium and high frequencies. The cardioid pattern at low frequencies minimizes sound dispersion towards the back, effectively suppressing interference caused by sound reflections from the ceiling. As such, just a few RL 180 NT EVAC speakers can be used to achieve exceptionally consistent sound transmission with high speech intelligibility, even in acoustically challenging spaces.

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°)
power capacity RMS/program 60 / 120 watts, 8 ohms
Diameter 180 mm, length 280 mm

RL 180 NT EVAC White
RL 180 NT EVAC Black

0904-0001
0904-0002

WH 180 Rotatable/pivotable L-bracket with assembly plate
Suitable for RL 180 / FZ 180, incl. safety rope

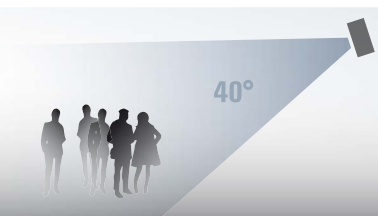
WH 180 White
WH 180 Black

7109-0006
7109-0007

SR 300-16 Stainless steel rope for pendant mounting
Length 3 m, thickness 1.6 mm, one side with loop

SR 300-16

7109-0008



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 can also be used in spaces with long reverberation times to create sound systems with high speech intelligibility and clear reproduction of music. For full-range applications, we recommend combining with our subwoofers.



Directional Speakers with Super Cardioid Pattern (H×V) 80°×40°

Model

Order no.

RL 204 SN

2-way directional speaker with supercardioid pattern
Dispersion angle (H × V) 80° × 40°, power RMS / program 80 / 160 watts, 8 ohms
Dimensions (W × H × D) 160 × 370 × 180 mm
Trapezoid cabinet, semi-matte varnish, steel grille

RL 204 SN White
RL 204 SN Black

0905-0001
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 × V) 80° × 40°, power RMS / program 120 / 240 watts, 8 ohms
Dimensions (W × H × D) 246 × 566 × 273 mm
Trapezoid cabinet, semi-matte varnish, steel grille

RL 206 SN White
RL 206 SN Black

0906-0001
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

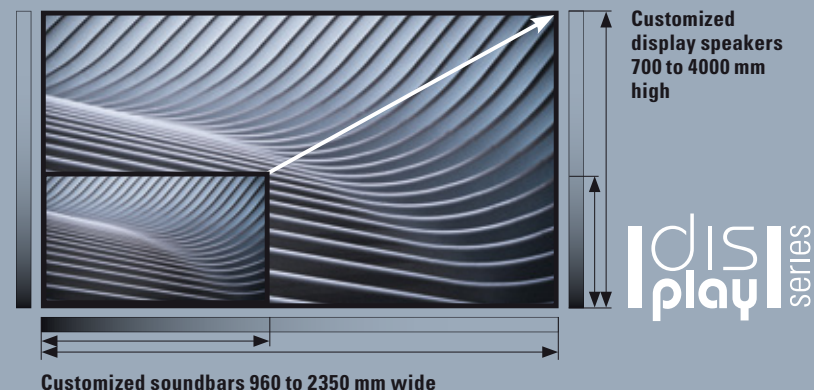
7114-0028
7114-0029

lb DISPLAYLAUTSPRECHER/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:

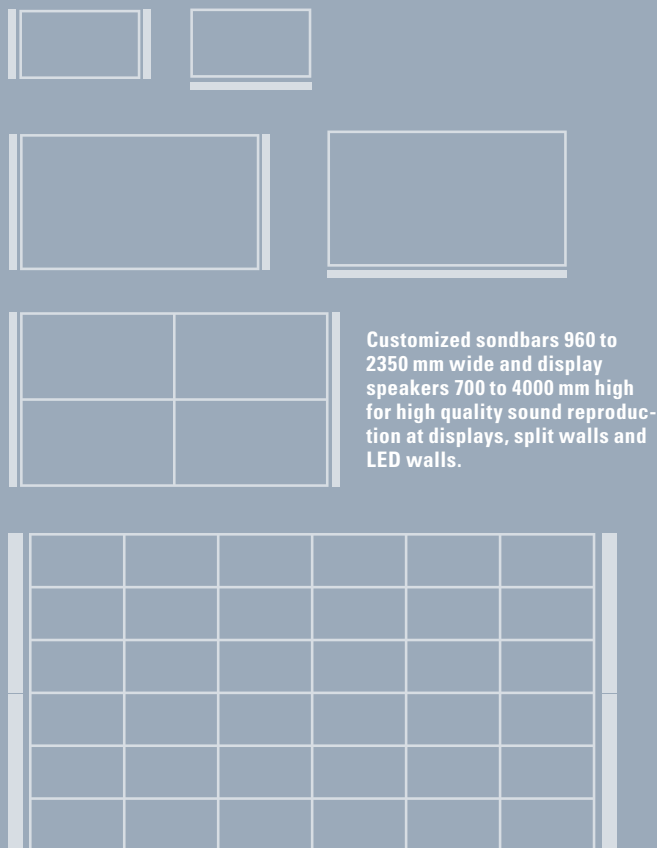
- Ethernet Interface
- Optical SPDIF Input (Toslink)
- DANTE Interface (optional)
- Configuration with LB CONTROL App
- Control and remote monitoring via network commands



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



Schattdecor Rohrdorf
Display speakers for conference rooms



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



NEW 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 browser-based 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.





Active Soundbars with DSP and Ethernet

Model

Order no.

SB-A 2.0 DSC NEW

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 NEW

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 NEW

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 NEW

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

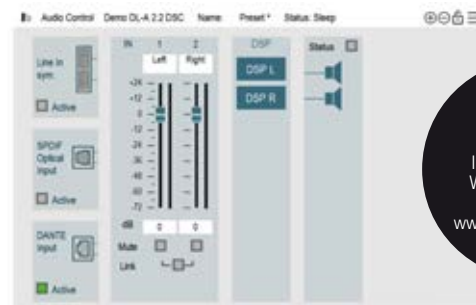
1223-0012

Fee SB

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

Fee SB

1213-0006



LB CONTROL APP

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

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 browser based **LB CONTROL App**.


Huddly
Camera


Active Soundbars with DSP, integrated Camera and Microphone

Model

Order no.

SB-A 2.0 DSC CAM+ NEW

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+

1215-0013

SB-A 2.0 DSC CAM+ DANTE NEW

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

SB-A 2.0 DSC CAM+ DANTE

1215-0017

Customized Versions

SB-A 2.0 DSC-1200 CAM+ SB-A 2.0 DSC-1600 CAM+ SB-A 2.0 DSC-2000 CAM+

Width on measure, 960 – 1200 mm
Width on measure, 1200 – 1600 mm
Width on measure, 1600 – 2000 mm

SB-A 2.0 DSC-1200 CAM+ SB-A 2.0 DSC-1600 CAM+ SB-A 2.0 DSC-2000 CAM+

1215-0014
1215-0015
1215-0016

SB-A 2.0 DSC-1200 CAM+ DANTE SB-A 2.0 DSC-1600 CAM+ DANTE SB-A 2.0 DSC-2000 CAM+ DANTE

Width on measure, 960 – 1200 mm
Width on measure, 1200 – 1600 mm
Width on measure, 1600 – 2000 mm

SB-A 2.0 DSC-1200 CAM+ DANTE SB-A 2.0 DSC-1600 CAM+ DANTE SB-A 2.0 DSC-2000 CAM+ DANTE

1215-0018
1215-0019
1215-0020

Fee SB

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

Fee SB

1213-0006



Passive 3-Channel Soundbars for Media Rooms and Home Cinema

SBC 3.0 NEW

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

SBC 3.0

1230-0001

Customized Versions

SBC 3.0-1600 SBC 3.0-2000 SBC 3.0-2350

Width on measure, 1400 – 1600 mm
Width on measure, 1600 – 2000 mm
Width on measure, 2000 – 2350 mm

SBC 3.0-1600 SBC 3.0-2000 SBC 3.0-2350

1230-0002
1230-0003
1230-0004

Fee SB

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

Fee SB

1213-0006



Mounts for Soundbars

SB-VESA

VESA mount for display soundbars SB-A 2.0 and SB-A 2.2

SB-VESA Black

7111-0012



Dante



Active Display Speakers with DSP and Ethernet

DL-A 2.0 DSC NEW

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

Model

Order no.

DL-A 2.0 DSC Pair

1113-0006

DL-A 2.0 DSC DANTE NEW

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 NEW

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 NEW

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

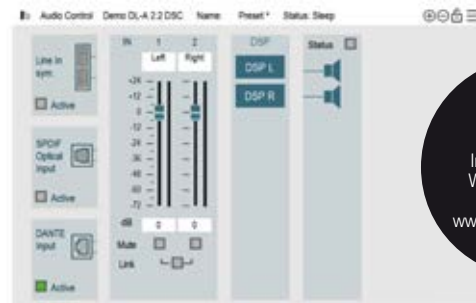
1123-0012

Fee DL

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

Fee DL

1113-0005



LB CONTROL APP

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

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 browser based LB CONTROL App.



VESA-Mounts for Display Speakers

DL-VESA 1150	for display width 900 – 1150 mm
DL-VESA 1400	for display width 1150 – 1400 mm
DL-VESA 1650	for display width 1400 – 1650 mm
DL-VESA 1900	for display width 1650 – 1900 mm
DL-VESA 2150	for display width 1900 – 2150 mm
DL-VESA 2400	for display width 2150 – 2400 mm

Model

DL-VESA 1150 Black
DL-VESA 1400 Black
DL-VESA 1650 Black
DL-VESA 1900 Black
DL-VESA 2150 Black
DL-VESA 2400 Black

Order no.

7111-0006
7111-0007
7111-0008
7111-0009
7111-0010
7111-0011

Dual-VESA-Mounts for Display Speakers

Dual DL-VESA 1150	for display width 900 – 1150 mm
Dual DL-VESA 1400	for display width 1150 – 1400 mm
Dual DL-VESA 1650	for display width 1400 – 1650 mm
Dual DL-VESA 1900	for display width 1650 – 1900 mm
Dual DL-VESA 2150	for display width 1900 – 2150 mm
Dual DL-VESA 2400	for display width 2150 – 2400 mm

Dual DL-VESA 1150 Black
Dual DL-VESA 1400 Black
Dual DL-VESA 1650 Black
Dual DL-VESA 1900 Black
Dual DL-VESA 2150 Black
Dual DL-VESA 2400 Black

7111-0014
7111-0015
7111-0016
7111-0017
7111-0018
7111-0019



Wall-mounts for Display Speakers

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

SH 50 Black

7110-0004

WH 80 Black Pair

7111-0013

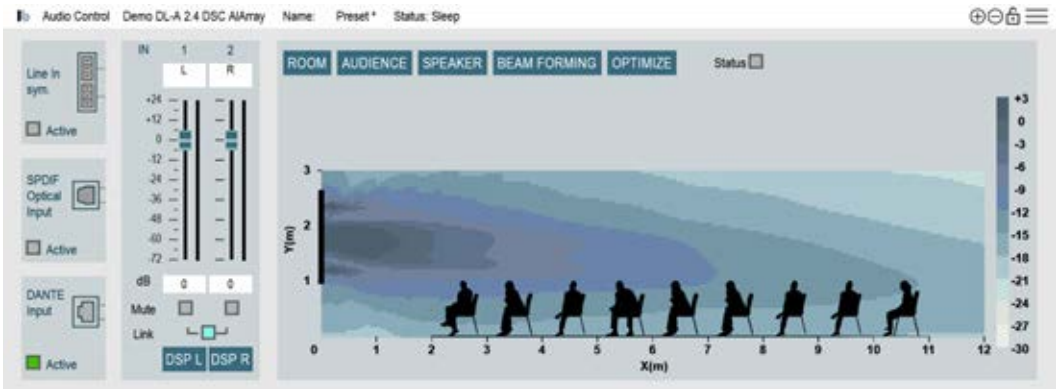
Active Display Speakers with Beam Steering

Our active DSP-controlled **display speakers** with beam steering are designed for combination with large displays, split walls and LED walls. With our browser-based **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 playback 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	1133-0001
NEW		Pair	
DL-A 2.4 DSC AlArray DANTE	with DANTE-Interface	DL-A 2.4 DSC AlArray DANTE	1133-0006
NEW		Pair	
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 AlAr	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 32



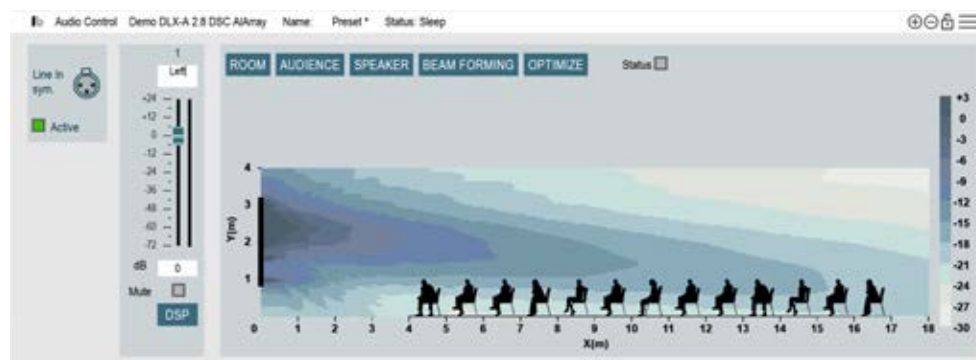
DL-A 2.4 AlArray
With our browser-based **LB CONTROL App**, the sound dispersion of the DL-A 2.4 AlArray can be simulated and adjusted in a very short time according to the room size and the position of the audience. With the OPTIMIZE function, the sound dispersion is automatically directed towards the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

The **ZL Series** line arrays are powerful loudspeaker systems for focused, directed, 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.

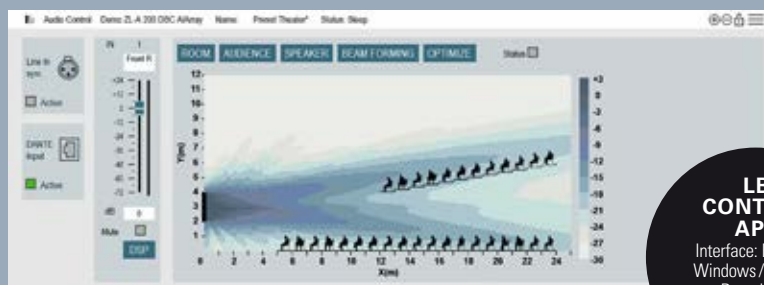
The passive models with different, fixed dispersion characteristics offer a cost-effective way to provide targeted sound coverage. The new active DSP-controlled line arrays with beam steering are the optimal tool for providing targeted sound to listening areas with high speech intelligibility.

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



Schattdecor Rohrdorf
Controlled line arrays
(beam steering)

With our browser-based **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 audience.



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

alarray®
adapted line array



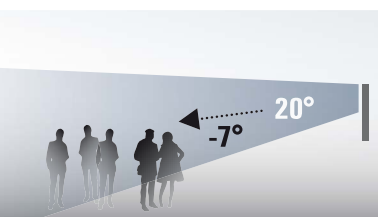
2 x ZL-A 200 AlArrays
Audimax
Medical school
Duisburg-Essen

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.



Column Speakers

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



Column Speakers

ZL 50 Line array, with electronic equalization, dispersion angle (H × V) 120° × 20°
Power capacity RMS/program 90 / 180 watts, 8 ohms
Dimensions (W × H × D) 80 × 480 × 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 × V) 120° × 10°
Power capacity RMS/program 180 / 360 watts, 8 ohms
Dimensions (W × H × D) 80 × 960 × 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 × V) 120° × 20°
Power capacity RMS/program 180 / 360 watts
8 ohms, dimensions (W × H × D) 80 × 960 × 103 mm
Brackets not included

ZL 104 T 100 V version, 15/30/60 watts

ZL 108 3-way line array, dispersion angle (H × V) 120° × 40°
Power capacity RMS/program 140 /280 watts, 8 ohms
Dimensions (W × H × D) 80 × 960 × 103 mm
Brackets not included

ZL 108 T 100 V version, 15/30/60 watts

Model

Order no.

ZL 50 White 1002-0001
ZL 50 Black 1002-0002

ZL 50 T White 1002-0003
ZL 50 T Black 1002-0004

ZL 100 White 1003-0001
ZL 100 Black 1003-0002

ZL 100 T White 1003-0003
ZL 100 T Black 1003-0004

ZL 104 White 1004-0001
ZL 104 Black 1004-0002

ZL 104 T White 1004-0003
ZL 104 T Black 1004-0004

ZL 108 White 1005-0001
ZL 108 Black 1005-0002

ZL 108 T White 1005-0003
ZL 108 T Black 1005-0004

Mounting Accessories for ZL Series

SH 20 Pivotal wall-mount for ZL 50
30 mm wall distance

SH 50 Pivotal wall-mount for ZL 100 up to ZL 250
(+/- 45°)

SH 80 Pivotal wall-mount for ZL-A 200 AIArray and ZL-A 250 AIArray
(+/- 45°)

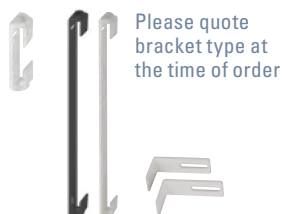
W-ZL L-bracket (pair) for ZL series

SH 20 White 7110-0001
SH 20 Black 7110-0002

SH 50 White 7110-0003
SH 50 Black 7110-0004

SH 80 White 7110-0007
SH 80 Black 7110-0008

W-ZL White 7110-0005
W-ZL Black 7110-0006



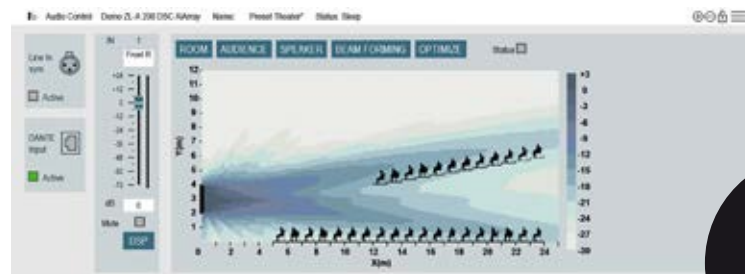
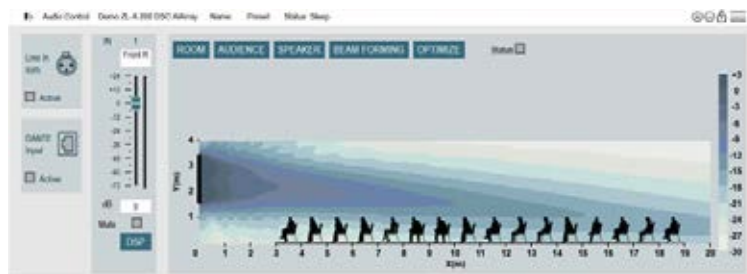
Active DSP-controlled **line arrays with beam steering** for targeted sound coverage of audiences in large rooms. They have an exceptionally wide frequency range and are ideal not only for speech, but also for music reproduction. With our LB CONTROL App, the active line arrays can be simulated and adjusted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

NEW Models ZL-A 200 AIArray/ ZL-A 250 AIArray now comprise one part housings and can be mounted with the new pivotable wall-mount SH 80.

NEW Active Line Arrays with Beam Steering

		Model	Order no.
ZL-A 100 AIArray 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 AIArray DANTE white	1011-0003
		ZL-A 100 AIArray DANTE black	1011-0004
ZL-A 125 AIArray 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 AIArray DANTE white	1012-0003
		ZL-A 125 AIArray DANTE black	1012-0004
ZL-A 200 AIArray 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 AIArray DANTE white	1009-0003
		ZL-A 200 AIArray DANTE black	1009-0004
ZL-A 250 AIArray 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 AIArray DANTE white	1010-0003
		ZL-A 250 AIArray DANTE black	1010-0004

✶ Dante



**LB
CONTROL
APP**

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

ib PA SPEAKERS

Universal **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



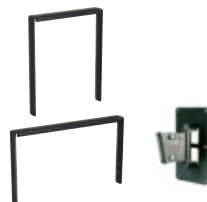
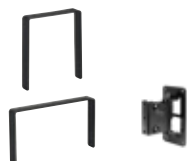
Crowns Club Munich, 48 channel PA system



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 360 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



T 212	2-way high-power PA speaker 2 x 12" + 1,4" with high acoustic pressure Dispersion angle (H x V) 60° x 50° Power capacity RMS/program 1000 / 2000 watts, impedance 4 ohms Dimensions (W x H x D) 500 x 960 x 550 mm Multi-purpose cabinet, black textured varnish, steel grille	T 212 Black	1412-0001
UB 212	U-bracket for T 212 incl. mounting accessories, powder-coated, black	UB 212 Black	7114-0021



The **line array module F 208** with its patented **AlArray® technology** is equipped with a high-frequency array with a switchable dispersion angle of $120^\circ \times 10^\circ$ or $120^\circ \times 30^\circ$. 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

Model

Order no.

F 208 AlArray 2-way PA Speaker $2 \times 8'' + 6 \times 1''$ with AlArray technology and rotatable horn
Switchable dispersion angle(H $\times$ V) $120^\circ \times 10^\circ / 120^\circ \times 30^\circ$
Power capacity RMS/program 400 / 800 watts, impedance 8 ohms
Dimensions (W $\times$ H $\times$ D) 270 $\times$ 520 $\times$ 380 mm
Multi-purpose cabinet, black textured varnish, steel grille

F 208 AlArray 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

FR 208 Rigging frame for line arrays
consisting of 2 – 4 $\times$ 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	Model	Order no.
	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) 430 x 300 x 400 mm Textured varnish, black, rubber feet, recessed handles	B 12 B Black 1422-0001
	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
	B 218	High-performance subwoofer 2 x 18" long excursion driver, impedance 4 ohms Power capacity RMS/program 2500/5000 Watts Dimensions (W x H x D) 600 x 1200 x 720 mm Textured varnish, black, rubber feet, recessed handles Front grille	B 218 Black 1426-0001

lb AMPLIFIERS AND CONTROLLER AND ACCESSORIES

To control our speakers, we offer a comprehensive series of amplifiers and controllers that harmonize perfectly with our speakers and enable optimally tailored PA systems with maximum operational reliability. We develop and produce **compact amplifiers** as well as **multichannel 19" power amplifiers** with two to eight channels and output power of 50 to 800 watts per channel. All amplifier models are available with or without DSP.

The 19" power amplifiers can be fitted with one or two input modules for analog input signals and/or **DANTE audio networks**. Our browser-based **LB CONTROL App** is used to program and control amplifiers and controllers via Ethernet.

Our range is supplemented by a variety of accessories that can be used to meet specific requirements and implement particular operating concepts.



**LB
CONTROL
APP**

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

pa series

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



Deutsche Schule
Meran
PA system



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



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.

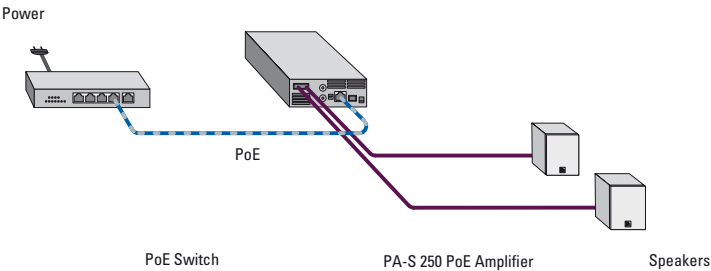
pa series



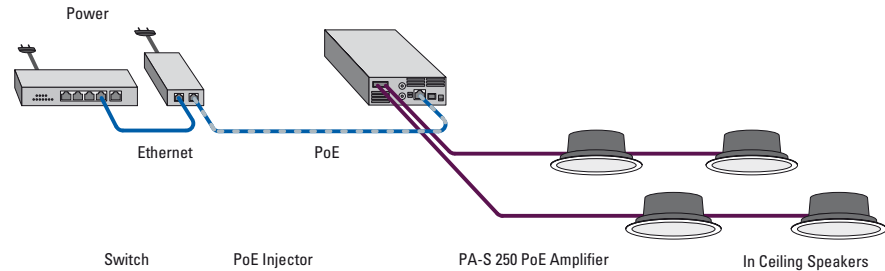
PoE-Compact Amplifier with DSP and DANTE		Model	Order no.
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PA-S 250 PoE DANTE NEW	2-channel amplifier with DSP, DANTE, power supply via network (PoE) 2 x 50 watts/4 ohms, 2 x 30 watts/8 ohms Dimensions (W x H x D) 110 x 42 x 233 mm, 1/4 19", 1 U	PA-S 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	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			
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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 NEW	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.

 pa series

19" Multi-Channel Amplifiers

Model

Order no.



PA 2100
2 × Line In Sym., 2 × 100 W / 2–8 ohms, 1 U
2 × Line In Cinch
2 × In Dante-Module

PA 2100
PA 2100 CINCH
PA 2100 DANTE

3106-0001
3106-0002
3106-0003



PA 4100
4 × Line In Sym., 4 × 100 W / 2–8 ohms, 1 U
4 × Line In Cinch
4 × In Dante-Module

PA 4100
PA 4100 CINCH
PA 4100 DANTE

3106-0004
3106-0005
3106-0006



PA 6100
6 × Line In Sym., 6 × 100 W / 2–8 ohms, 1 U
6 × Line In Cinch
6 × In Dante-Module

PA 6100
PA 6100 CINCH
PA 6100 DANTE

3106-0007
3106-0008
3106-0009



PA 8100
8 × Line In Sym., 8 × 100 W / 2–8 ohms, 1 U
8 × Line In Cinch
8 × In Dante-Module

PA 8100
PA 8100 CINCH
PA 8100 DANTE

3106-0010
3106-0011
3106-0012



PA 2200
2 × Line In Sym., 2 × 200 W / 2–8 ohms, 1 U
2 × Line In Cinch
2 × In Dante-Module

PA 2200
PA 2200 CINCH
PA 2200 DANTE

3106-0013
3106-0014
3106-0015



PA 4200
4 × Line In Sym., 4 × 200 W / 2–8 ohms, 1 U
4 × Line In Cinch
4 × In Dante-Module

PA 4200
PA 4200 CINCH
PA 4200 DANTE

3106-0016
3106-0017
3106-0018



PA 6200
6 × Line In Sym., 6 × 200 W / 2–8 ohms, 1 U
6 × Line In Cinch
6 × In Dante-Module

PA 6200
PA 6200 CINCH
PA 6200 DANTE

3106-0019
3106-0020
3106-0021



PA 8200
8 × Line In Sym., 8 × 200 W / 2–8 ohms, 1 U
8 × Line In Cinch
8 × In Dante-Module

PA 8200
PA 8200 CINCH
PA 8200 DANTE

3106-0022
3106-0023
3106-0024

 Dante

19" Multi-Channel Amplifiers

Model

Order no.



PA 2400
2 × Line In Sym., 2 × 400 W / 2–8 ohms, 1 U
2 × Line In Cinch
2 × In Dante-Module

PA 2400 3106-0025
PA 2400 CINCH 3106-0026
PA 2400 DANTE 3106-0027



PA 4400
4 × Line In Sym., 4 × 400 W / 2–8 ohms, 1 U
4 × Line In Cinch
4 × In Dante-Module

PA 4400 3106-0028
PA 4400 CINCH 3106-0029
PA 4400 DANTE 3106-0030



PA 6400
6 × Line In Sym., 6 × 400 W / 2–8 ohms, 2 U
6 × Line In Cinch
6 × In Dante-Module

PA 6400 3106-0031
PA 6400 CINCH 3106-0032
PA 6400 DANTE 3106-0033



PA 8400
8 × Line In Sym., 8 × 400 W / 2–8 ohms, 2 U
8 × Line In Cinch
8 × In Dante-Module

PA 8400 3106-0034
PA 8400 CINCH 3106-0035
PA 8400 DANTE 3106-0036



PA 2800
2 × Line In Sym.
2 × 800 W / 2–4 ohms 2 × 400 W / 8 ohms, 1 U
2 × Line In Cinch
2 × In Dante-Module

PA 2800 3106-0037
PA 2800 CINCH 3106-0038
PA 2800 DANTE 3106-0039



PA 4800
4 × Line In Sym.
4 × 800 W / 2–4 ohms 4 × 400 W / 8 ohms, 2 U
4 × Line In Cinch
4 × In Dante-Module

PA 4800 3106-0040
PA 4800 CINCH 3106-0041
PA 4800 DANTE 3106-0042



PA 6800
6 × Line In Sym.
6 × 800 W / 2–4 ohms 6 × 400 W / 8 ohms, 2 U
6 × Line In Cinch
6 × In Dante-Module

PA 6800 3106-0043
PA 6800 CINCH 3106-0044
PA 6800 DANTE 3106-0045



PA 8800
8 × Line In Sym., 8 × 100 W / 2–8 ohms
8 × 800 W / 2–4 ohms 8 × 400 W / 8 ohms, 2 U
8 × Line In Cinch
8 × In Dante-Module

PA 8800 3106-0046
PA 8800 CINCH 3106-0047
PA 8800 DANTE 3106-0048

19" Multi-Channel Amplifiers with DSP

Amplifier series with integrated **8x8 DSP**. All models have eight symmetrical inputs and a total of eight outputs. Depending on the model, two to eight outputs are powered, the remaining channels feature symmetrical line outputs. The amplifiers are configured using our **LB CONTROL App** and can be remote controlled and monitored over ethernet by network commands. They can be equipped with a second input module such as the **8-channel-DANTE-interface** to process mixed signal types and are equipped with VCA inputs for external volume control as well as contacts for remote On/Off and Fault.



19" Multi-Channel Amplifiers with DSP

Model

Order no.



PA 2100 DSC 8× Line In Sym., 2×100 W/2–8 ohms, 6× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 2100 DSC
PA 2100 DSC CINCH
PA 2100 DSC DANTE

3106-0049
3106-0050
3106-0051



PA 4100 DSC 8× Line In Sym., 4×100 W/2–8 ohms, 4× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 4100 DSC
PA 4100 DSC CINCH
PA 4100 DSC DANTE

3106-0052
3106-0053
3106-0054



PA 6100 DSC 8× Line In Sym., 6×100 W/2–8 ohms, 2× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 6100 DSC
PA 6100 DSC CINCH
PA 6100 DSC DANTE

3106-0055
3106-0056
3106-0057



PA 8100 DSC 8× Line In Sym., 8×100 W/2–8 ohms, 1 U
8× Line In Cinch
8× In Dante-Module

PA 8100 DSC
PA 8100 DSC CINCH
PA 8100 DSC DANTE

3106-0058
3106-0059
3106-0060



PA 2200 DSC 8× Line In Sym., 2×200 W/2–8 ohms, 6× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 2200 DSC
PA 2200 DSC CINCH
PA 2200 DSC DANTE

3106-0061
3106-0062
3106-0063



PA 4200 DSC 8× Line In Sym., 4×200 W/2–8 ohms, 4× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 4200 DSC
PA 4200 DSC CINCH
PA 4200 DSC DANTE

3106-0064
3106-0065
3106-0066



PA 6200 DSC 8× Line In Sym., 6×200 W/2–8 ohms, 2× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 6200 DSC
PA 6200 DSC CINCH
PA 6200 DSC DANTE

3106-0067
3106-0068
3106-0069



PA 8200 DSC 8× Line In Sym., 8×200 W/2–8 ohms, 1 U
8× Line In Cinch
8× In Dante-Module

PA 8200 DSC
PA 8200 DSC CINCH
PA 8200 DSC DANTE

3106-0070
3106-0071
3106-0072



19" Multi-Channel Amplifiers with DSP

Model Order no.



PA 2400 DSC 8× Line In Sym., 2×400 W/2–8 ohms, 6× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 2400 DSC 3106-0073
PA 2400 DSC CINCH 3106-0074
PA 2400 DSC DANTE 3106-0075



PA 4400 DSC 8× Line In Sym., 4×400 W/2–8 ohms, 4× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 4400 DSC 3106-0076
PA 4400 DSC CINCH 3106-0077
PA 4400 DSC DANTE 3106-0078



PA 6400 DSC 8× Line In Sym., 6×400 W/2–8 ohms, 2× Line Out, 2 U
8× Line In Cinch
8× In Dante-Module

PA 6400 DSC 3106-0079
PA 6400 DSC CINCH 3106-0080
PA 6400 DSC DANTE 3106-0081



PA 8400 DSC 8× Line In Sym., 8×400 W/2–8 ohms, 2 U
8× Line In Cinch
8× In Dante-Module

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



PA 2800 DSC 8× Line In Sym., 2×800 W/2-4 ohms, 6× Line Out, 1 U
8× Line In Cinch
8× In Dante-Module

PA 2800 DSC 3106-0085
PA 2800 DSC CINCH 3106-0086
PA 2800 DSC DANTE 3106-0087



PA 4800 DSC 8× Line In Sym., 4×800 W/2-4 ohms, 4× Line Out, 2 U
8× Line In Cinch
8× In Dante-Module

PA 4800 DSC 3106-0088
PA 4800 DSC CINCH 3106-0089
PA 4800 DSC DANTE 3106-0090



PA 6800 DSC 8× Line In Sym., 6×800 W/2-4 ohms, 2× Line Out, 2 U
8× Line In Cinch
8× In Dante-Module

PA 6800 DSC 3106-0091
PA 6800 DSC CINCH 3106-0092
PA 6800 DSC DANTE 3106-0093



PA 8800 DSC 8× Line In Sym., 8×800 W/2-4 ohms, 2 U
8× Line In Cinch
8× 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 two 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
4xIN-SYM	Input-Module 4 x Line In, symmetrical, pluggable screwtype terminals
6xIN-SYM	Input-Module 6 x Line In, symmetrical, pluggable screwtype terminals
8xIN-SYM	Input-Module 8 x Line In, symmetrical, pluggable screwtype terminals
2xIN-CINCH	Input-Module 2 x Line In, asymmetrical, Cinch connectors
4xIN-CINCH	Input-Module 4 x Line In, asymmetrical, Cinch connectors
6xIN-CINCH	Input-Module 6 x Line In, asymmetrical, Cinch connectors
8xIN-CINCH	Input-Module 8 x Line In, asymmetrical, Cinch connectors
DANTE 8x8	Dante interface for Audio over Ethernet, 2 x RJ 45 (Primary/Secondary)

2xIN-SYM	3108-0001
4xIN-SYM	3108-0002
6xIN-SYM	3108-0003
8xIN-SYM	3108-0004
2xIN-CINCH	3108-0005
4xIN-CINCH	3108-0006
6xIN-CINCH	3108-0007
8xIN-CINCH	3108-0008
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 100	100 V transformer module, 100 watts, torodial core
PA-T 200	100 V transformer module, 200 watts, torodial core
PA-T 400	100 V transformer module, 400 watts, torodial core
PA-T 800 NEW	100 V transformer module, 800 watts, torodial core
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
WP-V	Wall panel, volume control for power amplifiers of PA Series Regulation and On/Mute via VCA for surface boxes
RP-V	Rack panel, volume control for power amplifiers of PA Series Regulation and On/Mute via VCA for 19" rack mount RP-1U
WP-0	Wall panel, blank panel
RP-0	Rack panel, blank panel
RP-1U	Rack mount 1 U for 6 x RP panel
DV-Modul	Digitale volume control, regulation with dual push buttons (Up/Down contacts) via VCA inputs

PA-T 2050	3109-0001
PA-T 100	3109-0002
PA-T 200	3109-0003
PA-T 400	3109-0004
PA-T 800	3109-0007
PA-T 1U	3109-0005
WP-V	3401-0002
RP-V	3402-0002
WP-0	3401-0001
RP-0	3402-0001
RP-1U	3402-0016
DV-Modul	3109-0006



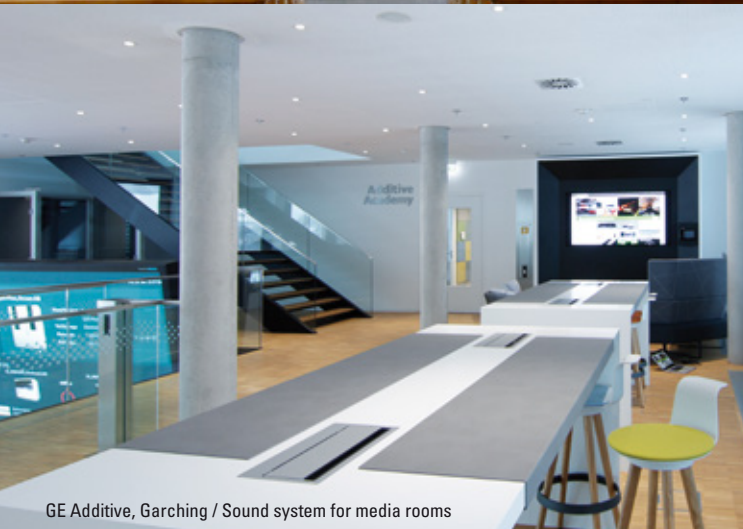
Kath. Kirche Dussnang / Line Arrays



James Simon Galerie, Berlin / trimless loudspeakers for voice alarm



Fa. Wittmann, Lohhof / Conference room with active Soundbar SB-A Cam+



GE Additive, Garching / Sound system for media rooms



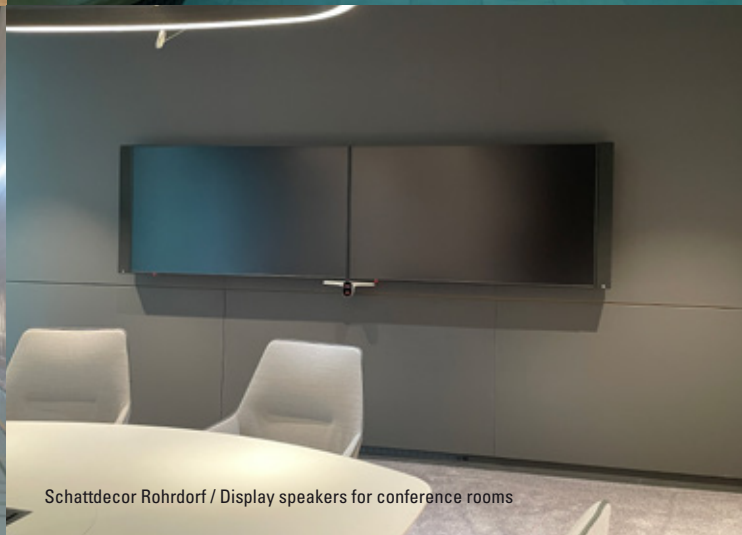
Bayerischer Landtag Munich / Multi-channel sound system with invisible Line Arrays



Pater Rupert Mayer Kirche, Poing / decent multi-channel sound system



Aachtalhalle, CH / Multi-functional PA system



Schattdecor Rohrdorf / Display speakers for conference rooms



Klinikum Garmisch-Partenkirchen / Voice PA-system

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DEVELOPMENT AND PRODUCTION

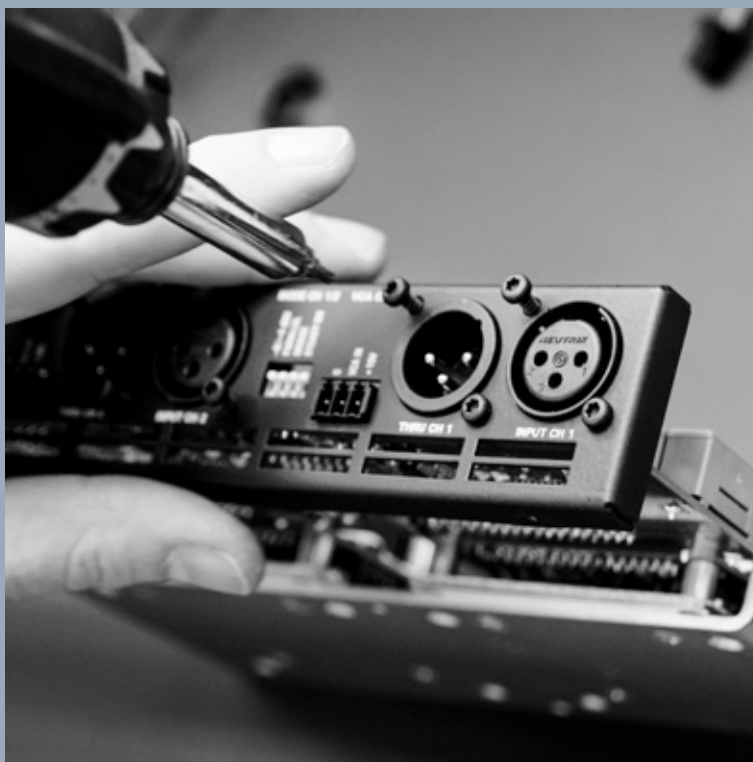
We work closely with customers, planners and architects to develop our sophisticated speakers and amplifiers.

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 amplification 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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