



## DE Plan 500 S

### Invisible Integration Into Furniture and Wall Panels

DE plan<sup>®</sup>  
inside

de:shape<sup>®</sup>

#### Description

The DE Plan 500 S inside<sup>®</sup> is a special version of DE Plan 500 S designed to be invisibly installed in furniture and wall panels with a particularly slim footprint. The speaker is glued onto the backside of furniture or panels made of wood, MDF or similar materials and directly excites through these surfaces. To do this, the recessed mounting area is milled into the rear surface to a wall thickness of 3 mm. The surface is activated without an intermediate membrane, which makes DE Plan 500 S inside extremely efficient and gives it an extensive, linear frequency range with good frequency response.

de:shape<sup>®</sup>: the membrane of the DE Plan 500 S inside has an optimized contour with a calculated distribution of distance between the edge and the high frequency driver (patent pending). This results in unprecedented audio performance and extremely accurate sound reproduction.

The elaborately tuned crossover ensures a warm, transparent acoustic pattern. The DE Plan 500 S inside is a front and center loudspeaker designed to be used with subwoofers in home audio systems and media rooms. Its slim design means it can be positioned in areas where space is limited.

The reproduction characteristics depend very much on the material in which the speakers are installed and the acoustics of each room.

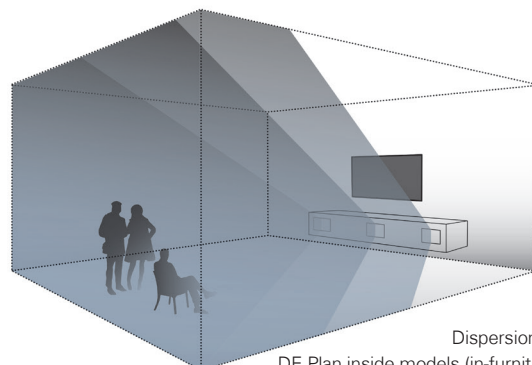
As a result, our system controllers or DSP power amplifiers should always be used to achieve the best sound pattern.

#### Key Features

- Invisible flat transducer
- Slim construction (width 140mm)
- for integration into furniture and wall panels
- 180° nominal dispersion
- Very linear frequency response
- Small mounting dimension: 540 × 140 mm
- 4 × 3" woofers + 1" high frequency driver
- 160 watts power capacity, 8 ohms

#### Fields of Application

- Gastronomy, hotels
- Home audio
- multiroom systems
- Shops, sales rooms



Dispersion Characteristic  
DE Plan inside models (in-furniture installation)

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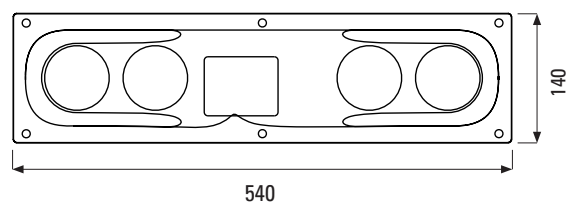
#### Technical Data

Principle	2-way flat transducer
Components	4 × 3" woofers + 1" high frequency driver
Frequency range	110 Hz – 20 kHz (mounted on a MDF panel with 3 mm thickness in front of the transducer)
Impedance	8 ohms
Power capacity	80 watts RMS, 160 watts program
Sensitivity	80 dB (1 W@ 1 m), depending on the mounting materials
Maximum SPL	102 dB @ 1 m
Nominal dispersion (H × V)	180°
Dimensions	540 × 140 × 72 mm
Recess size	544 × 144 mm remaining wall thickness in front of the speaker: 3 mm
Installation depth	72 mm
Weight	3.8 kg
Connectors	Screw-type terminals, pluggable
Warranty	5 years

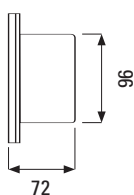
#### Dimensions

##### DE Plan 500 S inside

Front




Side



## DE Plan 500 S

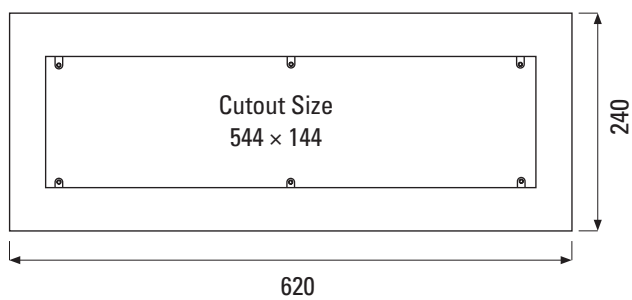
### Invisible Integration Into Furniture and Wall Panels

Back Box	Order No.	Version
	EG Plan 500 S	2303-0001
		Back box, plastic, dim.: 620 × 240 × 100 mm

### Dimensions

#### EG Plan 500 S inside

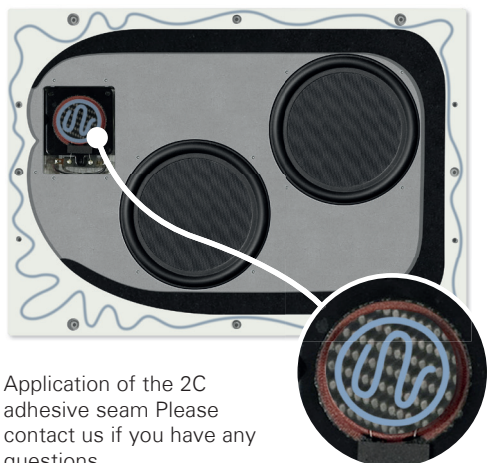
Front



Side

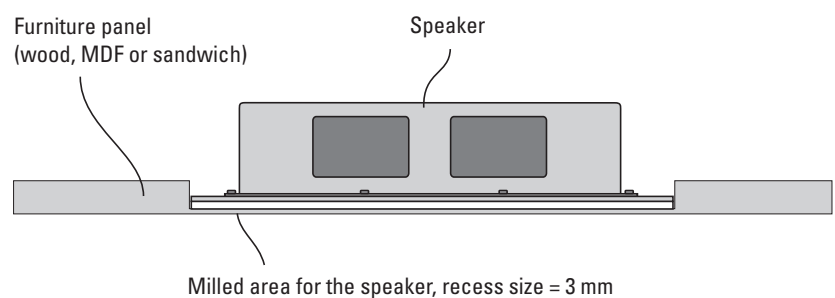


### Assembly with DE Plan 400 inside



Application of the 2C adhesive seam Please contact us if you have any questions.

#### Side View: Installed Speaker



## DE Plan 500 S inside Invisible Integration Into Furniture and Wall Panels

### Measuring Diagram

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DE Plan 500 S inside Sens. @ 2, 83V/1m

