



al:array®
adapted line array

DEplan®

DE Plan 600 AIArray Invisible Line Array Speaker

Description

The DE Plan 600 AIArray® is an invisible, passive, 4-channel line array module designed to be installed in walls and ceilings. The vertical dispersion direction of the DE Plan 600 AIArray can be individually set using our DSC series system controllers and PA series power amplifiers.

de:shape®: the membrane of the DE Plan 600 AIArray 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 DE Plan 600 AIArray can be installed as a front speaker (l, r, center) in ceilings or the upper sections of walls and directed towards listeners. In large rooms with long reverberation times, several modules can be combined to create longer linear arrays. Each of the individual channels of the DE Plan 600 AIArray is designed as a 2-way system with a 4" woofer and two high-frequency drivers.

The DE Plan 600 AIArray is mounted facing outwards in hollow non-concrete walls and ceilings. It can also be installed in solid walls and concrete ceilings using an EGB Plan 600 back box. First, the speaker is mounted, then the glass fiber lining included with the package is placed around the membrane and the area can then be plastered and painted.

Key Features

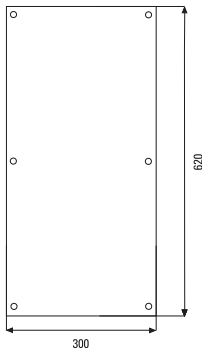
- Invisible 4-channel line array
- 180° nominal dispersion
- Vertical radiation adjustable via controller
- Excellent low frequency response
- 4 × 4" woofers + 8 × 1" high frequency drivers
- 4 × 80 watts power capacity

Fields of Application

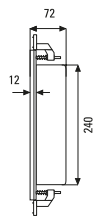
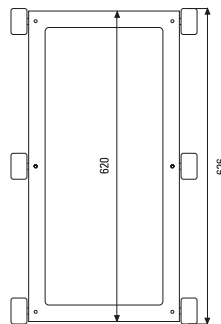
- Gastronomy, hotels
- Home audio
- Large rooms, halls
- Surround systems

DE Plan 600 AIArray Invisible Line Array Speaker

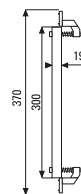
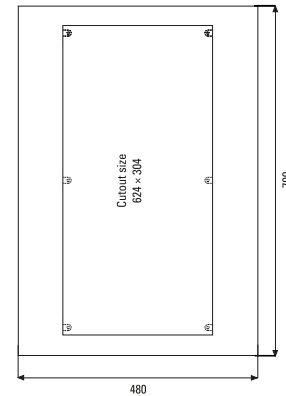
Abmessungen

DE Plan 600 AIArray
front


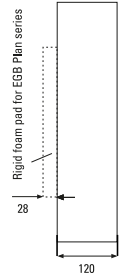
lateral


Assembly Frame MR 600
front


lateral


Back Box EG Plan 600 and EGB Plan 600
front


lateral



Technical Data

Principle	4-channel 2-way flat transducer
Components	4 × 4" woofers + 1" high frequency drivers
Frequency range	40 Hz – 20 kHz (with controller) (2 × paint-coated)
Impedance	4 × 8 ohms
Power capacity	4 × 40 watts RMS, 4 × 80 watts program
Sensitivity	86 dB (1 W@1 m), half-space (flush-mounted)
Maximum SPL	110 dB @ 1 m
Nominal dispersion (H × V)	180° horizontal, vertical adjustable via controller
Dimensions	620 × 300 × 72 mm incl. mounting feet: 626 × 370 mm
Cutout size	624 × 304 mm
Wall /ceiling thickness	10 – 35 mm (incl. back box)
Installation depth	72 mm
Weight	6.3 kg
Connectors	Screw-type terminals, pluggable
Warranty	5 years

Model

DE Plan 600 AIArray

Version

 Complete incl. assembly frame,
glass fiber fabric and adhesive

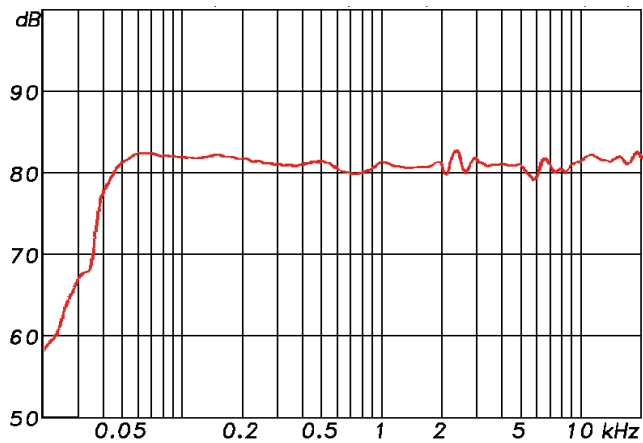
Accessories



DE Plan 600 AIArray Invisible Line Array Speaker

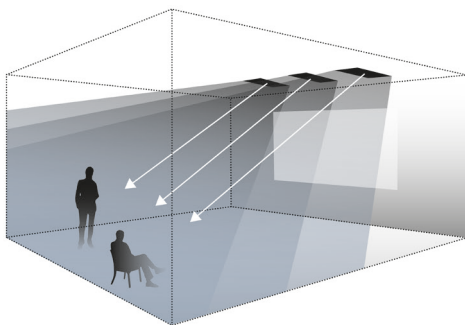
Measuring Diagram

DE Plan 600 AIArray® Sens. @ 2, 83V/1m

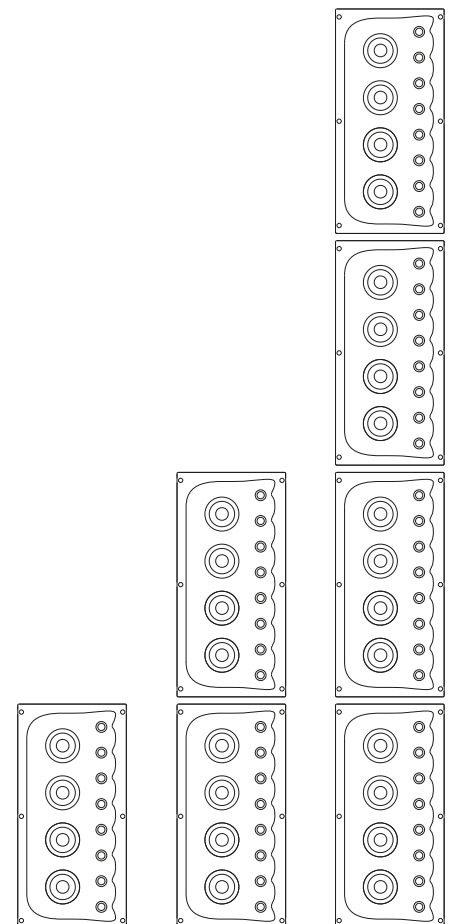
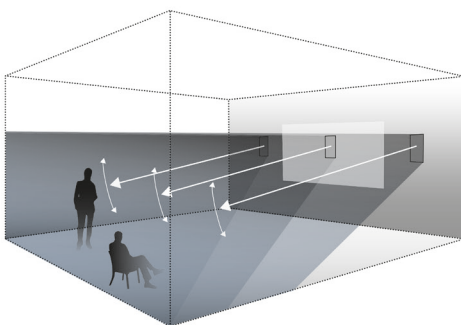


Dispersion

DE Plan AIArray, in-ceiling installation,
radiation characteristic adjustable via controller



DE Plan AIArray, in-wall installation,
radiation characteristic adjustable via controller



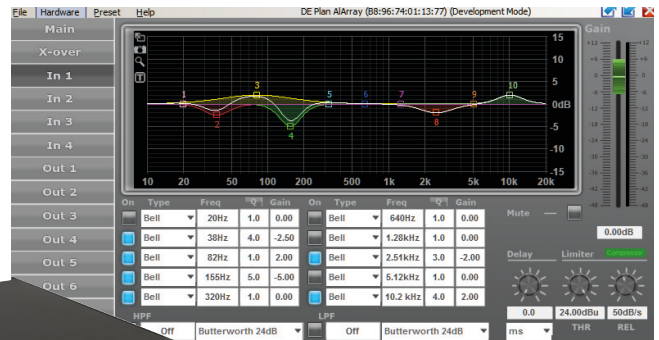
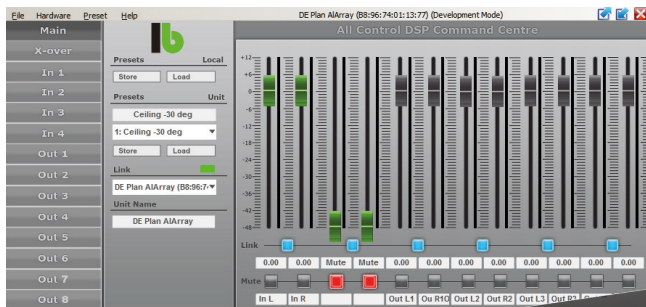
DE Plan 600 AIArray – DSC Control – Precision and Dynamic

DSC Control is the professional controller software for our active speakers, system controllers and controller amplifiers.

The radiation characteristic and the frequency range of the DE Plan AIArray modules can be configured with parametrical filters and delays.

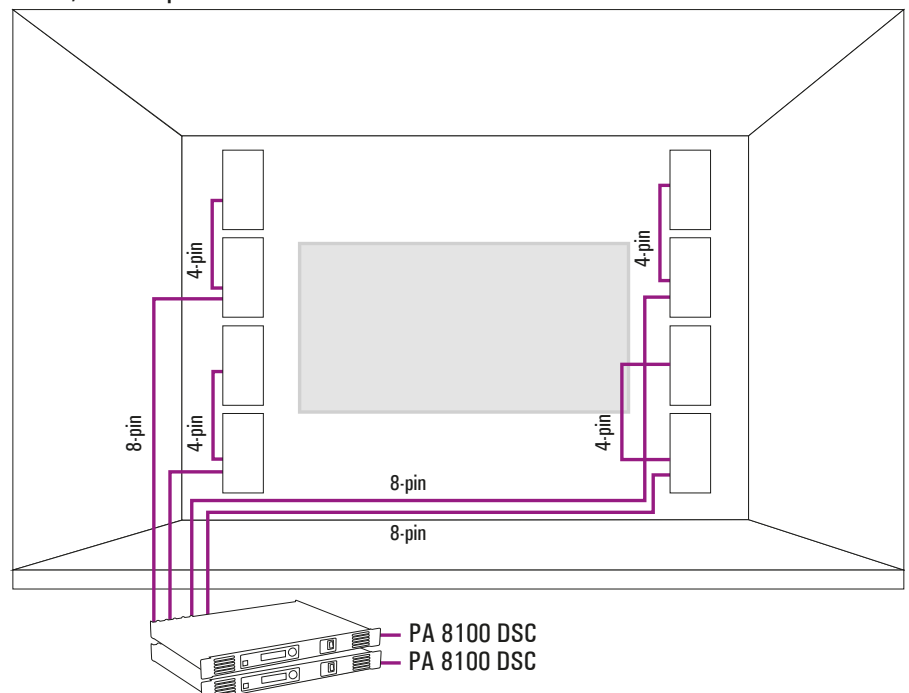
Interface: Ethernet, USB / operating system: Windows, Mac OS

PA 8100 DSC 8-channel controller-amplifier with 8 × 100 watts output power to operate 2 to 4 DE Plan 600 AIArray modules.



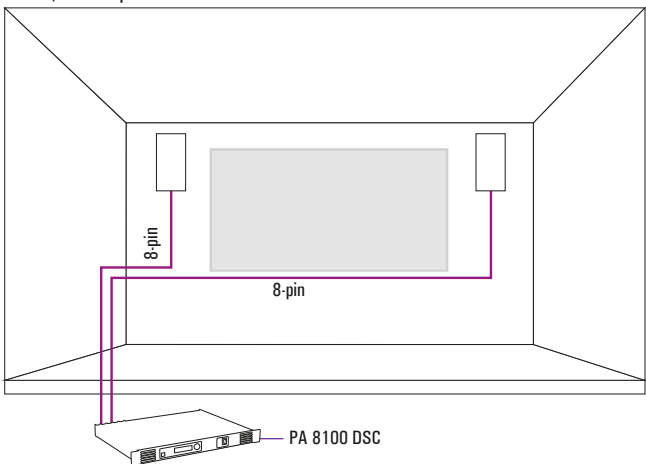
Circuit Diagrams with Controllers and Amplifiers

8 × DE Plan AIArray In-Wall Installation with 2 × 8-Channel Amplifier,
8 × 1,5 mm² Speaker Cable

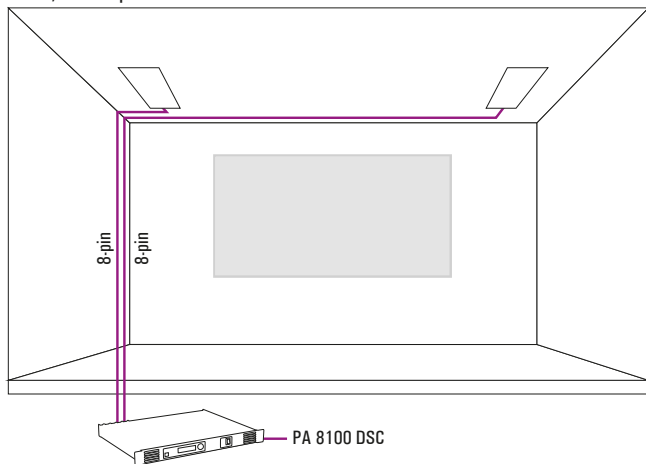


Circuit Diagrams with Controllers and Amplifiers

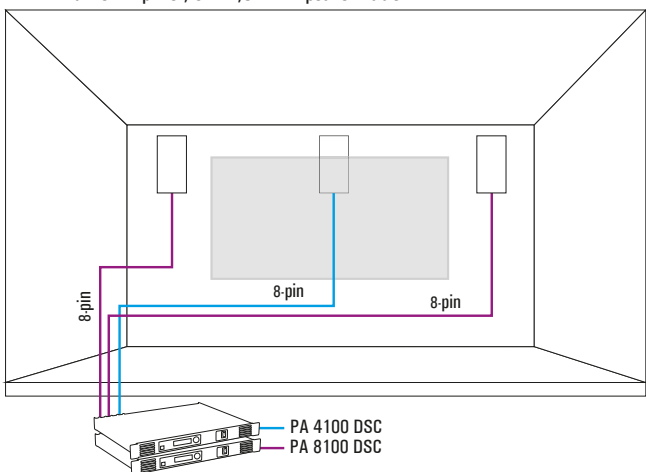
2 × DE Plan AIArray In-Wall Installation with 8-Channel Amplifier,
8 × 1,5 mm² Speaker Cable



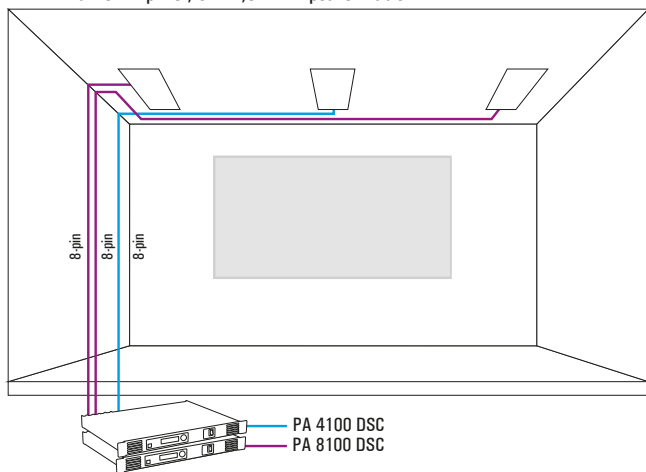
2 × DE Plan AIArray In-Ceiling Installation with 8-Channel Amplifier,
8 × 1,5 mm² Speaker Cable



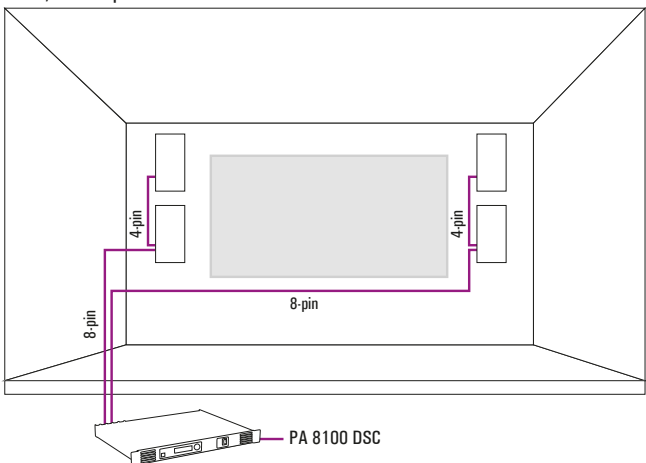
3 × DE Plan AIArray In-Wall Installation with 1 × 8-Channel Amplifier and
1 × 4-Channel Amplifier, 8 × 1,5 mm² Speaker Cable



3 × DE Plan AIArray In-Ceiling Installation with 1 × 8-Channel Amplifier and
1 × 4-Channel Amplifier, 8 × 1,5 mm² Speaker Cable



4 × DE Plan AIArray In-Wall Installation with 8-Channel Amplifier,
8 × 1,5 mm² Speaker Cable



6 × DE Plan AIArray In-Wall Speaker with 8-Channel Amplifier,
8 × 1,5 mm² Speaker Cable

