

LINE ARRAY Series

Compact 2Way active line array system

Audio-Performance DLA10

The DLA10 Compact Line Array Loudspeaker is a Light, Simple and Versatile product designed to deliver Great Sound into medium and large venues.

The two way full range Loudspeaker consist of 2 x 10" low frequency cone driver with a in-house designed phase plug that optimises the vertical coverage and avoid the need of mid-range drivers. One 1.4" exit, 3" voice coil compression driver mounted in a complex Audio Performance Wave Guide, loaded with an adjustable horizontal constant directivity horn, gives the user to adapt the horizontal directivity by step of 15° from 60° to 120° without removing the front grill.

The specific conception enables the DLA10 to reach 55 Hz without the need of a subwoofer and to deliver a flat frequency response up to 20kHz (+/- 3dB). The versatility of the DLA10 stand in the externally amplification possibilities.

It can be used either in a fully 2 way active mode or bi-amplified with the SUB6-amp. (One SUB6-amp for 2x DLA10). Each SUB6-amp integrates two AP D2SP amp's modules that together deliver a total of 5'000W RMS (4 x 1'250W), of which one is a dedicated DSP controlled Amp Module that can feed two DLA10.

The simplicity of the unique Three Points Rigging system offers easy stacking as well as easy flying and fits in any situation. Setting up the array angle is very easy. Angles extension: 0° to 8° for each DLA10 (Angle Step: 0.5°). Ease Focus 3.0 data is provided by Audio Performance.

The DLA10 is perfectly suitable for touring and fixed applications.

No compromise between size and sound, It's just Small and Powerful!!!

IDEAL FOR

Large Scale
sound
Reinforcement

Concert halls
Clubs

Stadiums
Theatres



Special Features

Horizontal Directivity
Adjustable
from:
Symetric: 60°, 90°, 120°
Asymetric: 75°, 105°

Symmetrical Design

High power

Compact Size

LINE ARRAY Series

DLA10 Specifications

ACOUSTICAL

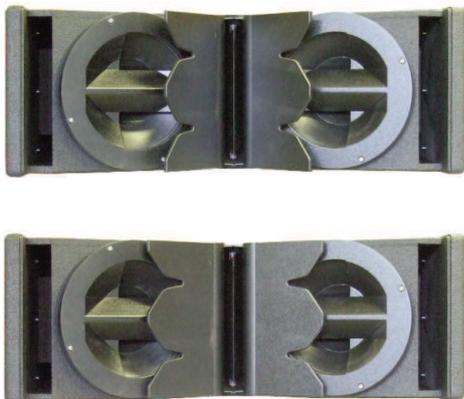
Frequency response (1)	55Hz - 20'000Hz
Phase response	350Hz - 10KHz + / - 45°
Maximum peak SPL (2)	141dB
Coverage	Horizontal: adjustable from 60° to 120° / 15° step Symetric or Asymetric Vertical: Varies with array lenght and array configuration
Crossover (3)	980Hz

TRANSDUCERS

Low frequency	2 x 10" long excursion, low distortion ND cone driver
Nominal impedance	4 ohms
Power Handling	800W RMS (AES) (4)
High frequency	1 x 1,4" exit, 3" diaphragm ND compression driver, loaded with adjustable horizontal horn
Nominal impedance	8 ohms
Power Handling	140W RMS (AES) (4)
Connectors	2 x Neutrik Speakon NL4MP (wired in parallel) 1+/- = Low; 2+/- = High

MECHANICAL

Cabinet size (WxHxD)	730 x 270 x 610mm
Cabinet finish	15 mm plywood, black epoxy painted, other colours on request
Rigging	Patent pending Three Point Rigging system
Protective grill	Removable perforated 1,6mm steel, foam cover
Weight	35Kg



(1) Frequency response: +/- 3dB, measured at 3 meters, on axis, half-space conditions - MLSSA 1/3 octave

(2) Max peak SPL: Measured with Pink noise referred to 1 meter

(3) Crossover: Acoustical crossover frequency - at these frequency, transducers produce equal sound pressure level

(4) AES: Power handling is measured under AES standard conditions

(5) Power AMPS: Amplifier RMS output power per channel into 2 ohms, both channel driven