

ALA04PSA

Architectural Point Source Array Loudspeaker System



Acoustic Technologies' ALA04 PSA is a specialist product from within the overall ALA (architectural line array) range of loudspeaker enclosures. The acronym "PSA" stands for Point Source Array - and this concisely describes the enclosure. The ALA04 PSA features an array of 4x 81mm LF/MF drivers + HF tweeter designed to provide the benefits of tight vertical control, while at the same time exhibiting a smooth point source dispersion pattern.

The physical layout of the drivers and the critical crossover design have produced a line array enclosure without the acoustic lobing artefacts in the vertical dispersion pattern commonly encountered in multi-speaker enclosures.

The ALA loudspeaker system components make use of many new production materials including weatherproof PPM cones, neodymium magnet assemblies, perforated aluminium mesh grille and an aluminium extruded chassis which minimizes weight and corrosion issues. The transducers are magnetically shielded.

Acoustic Technologies' engineers developed a simple yet versatile mounting system to satisfy any situation. Rotatable "T" pieces on the rear of the enclosures allow vertical or horizontal installation. A selection of "extender plates" takes care of any required angles.

ALA04 PSA is perfectly suited for audio-visual installations involving large video screens. The full range audio reproduction, superb intelligibility, discreet appearance and smooth point source dispersion pattern make this the ideal loudspeaker enclosure for boardrooms and other high-end AV installations.

There are over 70 decor matched powdercoat colours, allowing the ALA Series to complement any decor styling.

The ALA Series Loudspeaker System is an Australian product, proudly designed and manufactured in our facility in Brisbane, Australia.



Loudspeaker Enclosure



Vertical or horizontal installation is made possible by rotatable "T" pieces on the rear of the enclosures angles.

Key Features

- Full Range Audio
- Superb Intelligibility
- Discreet Appearance
- Versatile Mounting System

Overview

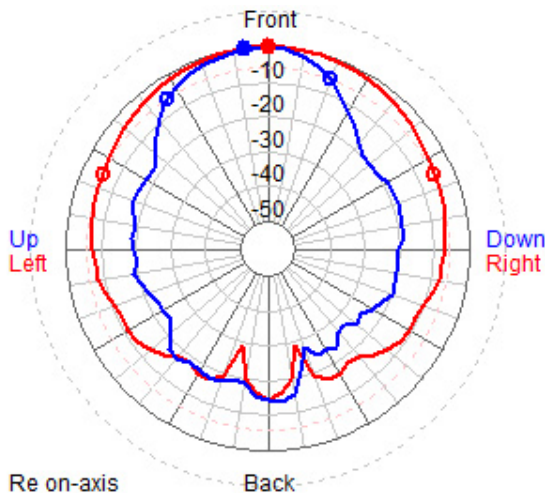
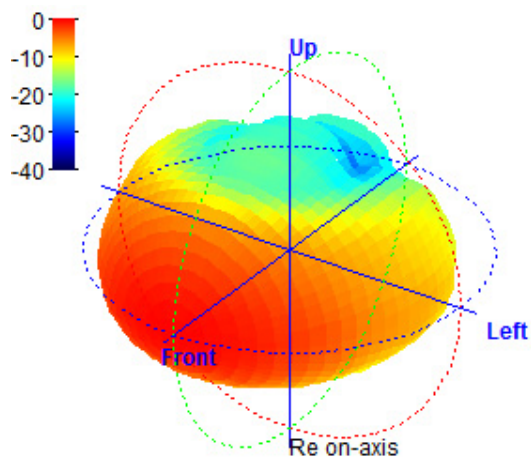
- Dimensions: 706mm (H) x 105mm (W) x 73mm (D)
- Weight: 3.1 Kg
- Finish: Powdercoat
- Transducers: 4x 81mm Fullrange Transducer
1x Soft Dome Tweeter

Specifications

Transducer Complement	4x 81mm Fullrange Transducer 1x Soft Dome Tweeter
Frequency Response	120Hz - 20kHz ± 3 dB
Sensitivity	86dB @ 1 watt, 1 metre
Maximum Input	120 Watts Program
Maximum SPL Calculated	107dB @ 1 metre
Dispersion	120° Horizontal x 60° Vertical with cabinet vertical at 2kHz
Nominal Impedance	8 Ohms
Cabinet Material	Aluminium Extrusion with Cast End Caps
Grille Material	Perforated Aluminium Mesh
Cabinet & Grille Finish	Powdercoat
Finish Colours	Over 70 colours from which to choose (see Dulux colour chart)
Dimensions	Height - 706mm Width - 105mm Depth - 73mm (Without mounting "T") Depth - 110mm (Including mounting "T")
Connectors	Screw Terminals
Weight	3.2 Kg

Suggested Applications

- Boardrooms
- High End AV Installations
- Bars & Restaurants
- Places of Worship
- Residential
- Transport Terminals
- Shopping Malls
- Schools
- Theatres
- Retail Stores



Acoustic Technologies has had extensive data measurements performed on the ALA04 PSA by an independent testing facility. The full EASE and Common Loudspeaker Format (CLF) Data Files are readily available for download.

Sensitivity, Maximum Power and SPL measurements are conducted in accordance with the AES 24 Hour Pink Noise Standard. Acoustic Technologies reserve the right to alter or amend the ALA Series without prior warning in the interests of product improvement.

For further information, please visit the Acoustic Technologies website at www.atprofessional.com.au

Acoustic Technologies

8-10 Staple Street, Seventeen Mile Rocks
Queensland 4073, Australia
Phone (617) 3376-4122 | Fax (617) 3376-5793
Web www.atprofessional.com.au
Email info@atprofessional.com.au