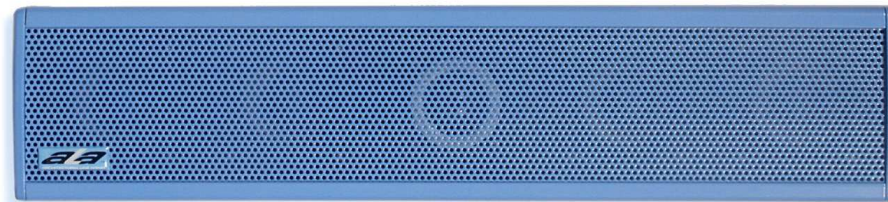
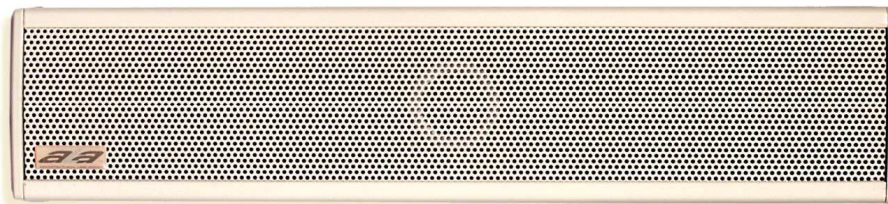
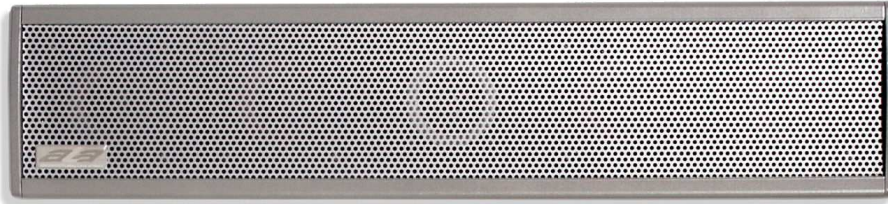

ALA Series

Architectural Line Array Loudspeaker Systems



acoustic technologies

The Acoustic Technologies ALA Series (Architectural Line Array Series) is a specialty loudspeaker system providing ready solutions for a wide range of sound reinforcement projects. The complete ALA range has been created for any application where critical speaker placement and pattern control is essential, including outdoor venues.

The Architectural Line Array is a high fidelity sound reproduction system (120Hz–20kHz) reproducing audio with extreme clarity and accuracy. The ALA Series finds ready acceptance in areas where studio quality sound is essential. The ALA Series takes full advantage of the characteristic line array vertical dispersion pattern. Increasing the array length **decreases** the vertical dispersion of the system, allowing the design of systems providing maximum intelligibility in acoustically challenging environments.

The range of products is extensive with 2, 4, 8, 12, 16, 24, and 32 element systems readily available. In addition the ALA02+T and ALA04+T cabinets feature soft dome tweeters, extending the response well beyond 20kHz. The ALA-FS range incorporates Frequency & Amplitude Shading techniques along with a proprietary digital signal processing system designed in conjunction with renowned system designer Peter Patrick. An active development program ensures on-going state of the art products.

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 minimises weight and corrosion issues. The transducers are magnetically shielded. There are over 70 decor matched powdercoat colours, allowing the ALA Series to compliment any decor styling.

Typical applications include Shopping Malls, Airports, Transport Terminals, Schools, Bars and Restaurants, Houses of Worship, Theatres, Sports Halls and Complexes, Retail Stores, Residential, Parks and Zoos.

See our Web Site for additional ALA Series Information.

ALA Series

ALA Series

FEATURES

- **Line Array Dispersion and Pattern Control**
- **High Intelligibility In Difficult Acoustic Environments**
- **High Quality Audio Reproduction**
- **Many Decor Matched Powdercoat Colours Available**

SPECIFICATIONS

SERIES	Frequency Response	120Hz - 18kHz \pm 3dB
	Sensitivity	86dB @ 1 watt, 1 metre
	Horizontal Dispersion	150°
	Vertical Dispersion	Decreases with Array Length to less than 10°
	Cabinet Material	Aluminium Extrusion with Cast End Caps
	Grille Material	Perforated Aluminium Mesh
	Cabinet & Grille Finish	Powdercoat.
	Finish Colours	Over 70 available - contact Factory for colours.
	Connectors	Screw Terminals
	Dimensions	Height determined by Array Size. 106mm[Width] x 73mm[Depth] without mountings 106mm[Width] x 110mm[Depth] with mountings
ALA02	Transducer Complement	2x 81mm Fullrange Transducer
	Nominal Impedance	4 Ω or 16 Ω
	Maximum Program Input	60 Watts Program
	Maximum Program SPL	104dB @ 1metre
	Height	175mm
	Weight	1.0kg
ALA02T	Transducer Complement	2x 81mm Transducer + 1x Soft Dome Tweeter
	Nominal Impedance	4 Ω or 16 Ω
	Maximum Program Input	60 Watts Program
	Maximum Program SPL	104dB @ 1metre
	Height	291mm
	Weight	1.5kg
ALA04	Transducer Complement	4x 81mm Fullrange Transducer
	Nominal Impedance	8 Ω or 32 Ω
	Maximum Program Input	120 Watts Program
	Maximum Program SPL	107dB @ 1metre
	Height	337mm
	Weight	1.7kg
ALA04T	Transducer Complement	4x 81mm Transducer + 1x Soft Dome Tweeter
	Nominal Impedance	16 Ω
	Maximum Program Input	120 Watts Program
	Maximum Program SPL	107dB @ 1metre
	Height	478mm
	Weight	2.0kg
ALA08	Transducer Complement	8x 81mm Fullrange Transducer
	Nominal Impedance	4 Ω , 16 Ω or 64 Ω
	Maximum Program Input	240 Watts Program
	Maximum Program SPL	110dB @ 1metre
	Height	661mm
	Weight	3.0kg
ALA12	Transducer Complement	12x 81mm Fullrange Transducer
	Nominal Impedance	3 Ω , 6 Ω , 12 Ω or 24 Ω
	Maximum Program Input	360 Watts Program
	Maximum Program SPL	112dB @ 1metre
	Height	985mm
	Weight	4.4kg
ALA16	Transducer Complement	16x 81mm Fullrange Transducer
	Nominal Impedance	8 Ω or 32 Ω
	Maximum Program Input	480 Watts Program
	Maximum Program SPL	113dB @ 1metre
	Height	1,309mm
	Weight	5.8kg
ALA24	Transducer Complement	24x 81mm Fullrange Transducer
	Nominal Impedance	8 Ω , 5.3 Ω , 12 Ω , 21.3 Ω or 48 Ω
	Maximum Program Input	760 Watts Program
	Maximum Program SPL	115dB @ 1metre
	Height	1,957mm
	Weight	8.5kg
ALA32	Transducer Complement	32x 81mm Fullrange Transducer
	Nominal Impedance	4 Ω , 16 Ω , 64 Ω
	Maximum Program Input	960 Watts Program
	Maximum Program SPL	116dB @ 1metre
	Height	2,605mm
	Weight	11.2kg

ALA Series enclosures are constructed using a custom architectural grade aluminium extrusion. The transducers are protected by a rugged expanded aluminium grille.

Acoustic Technologies provides a comprehensive 3 Year Parts and Labour Warranty for all ALA Series enclosures.

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 ALA Series enclosures, without prior warning in the interests of product improvement.

ALA Series

APPLICATIONS

- Shopping Malls
- Airports
- Schools
- Bars & Restaurants
- Houses of Worship
- Sporting Venues
- Theme Parks
- Retail Stores
- Residential
- Theatres
- Convention Centres
- Zoos
- Transport Terminals



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