

Product Data Sheet

ALA1015E

Line array loudspeaker

Application:

The Amina Line array loudspeaker is a slim-line, wall mounted, controlled dispersion loudspeaker for corporate, leisure, heritage, retail, theatre, worship and conferencing locations requiring discrete, high intelligibility sound reproduction systems. Utilising Amina's revolutionary flat panel and line array technology, the ALA1015E is ideal for difficult acoustic environments and can be custom finished to suit the room's décor. A range of mounting options are possible to enable optimum positioning.

Sound characteristic:

Using the principle of distributed mode vibrations, the ALA1015E's flat sound panel is driven by a line of close coupled 'exciters'. This brings together the key benefits of both technologies:

- > Diffuse energy wave for optimum room integration and off axis clarity.
- > Controlled vertical dispersion reduces audio reflections from ceilings; 180 degree horizontal dispersion ensures excellent coverage across intended areas.

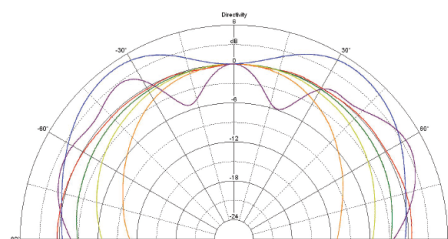
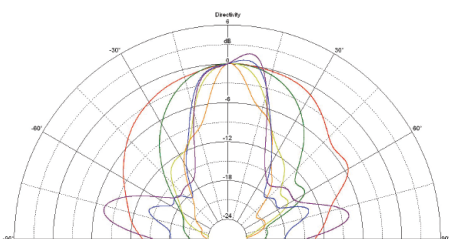


Specifications	ALA1015E
Dimensions	1006 x 156 x 57mm
Product weight	3.9kg
Acoustic panel composition	Aluminium honeycomb with grey polyester skins
Speaker fixings	Keyhole hanging slots / keyhole brackets / M5 mounting points for HDWB or 3rd part wall brackets
Max SPL	105dB @ 1m
Impedance	8Ohms
Frequency response	120Hz - 20KHz (+/-8dB) External EQ required
Efficiency	87dB @1m / 2.83Vrms
Dispersion Angle (at 14kHz / 4kHz -6dB)	Horizontal: 180 degrees / 180 degrees Vertical: 20 degrees / 20 degrees
Power handling	60W (80Hz, 24dB/octave high-pass must be used)
High impedance option	5W, 10W, 20W transformer options available for 70V or 100V systems
Optional finishes	Paint finish to front or sides; print laminated to front; vinyl to front

Vertical Dispersion:

Horizontal Dispersion:

Hz: 250 500 1000
2000 4000 8000



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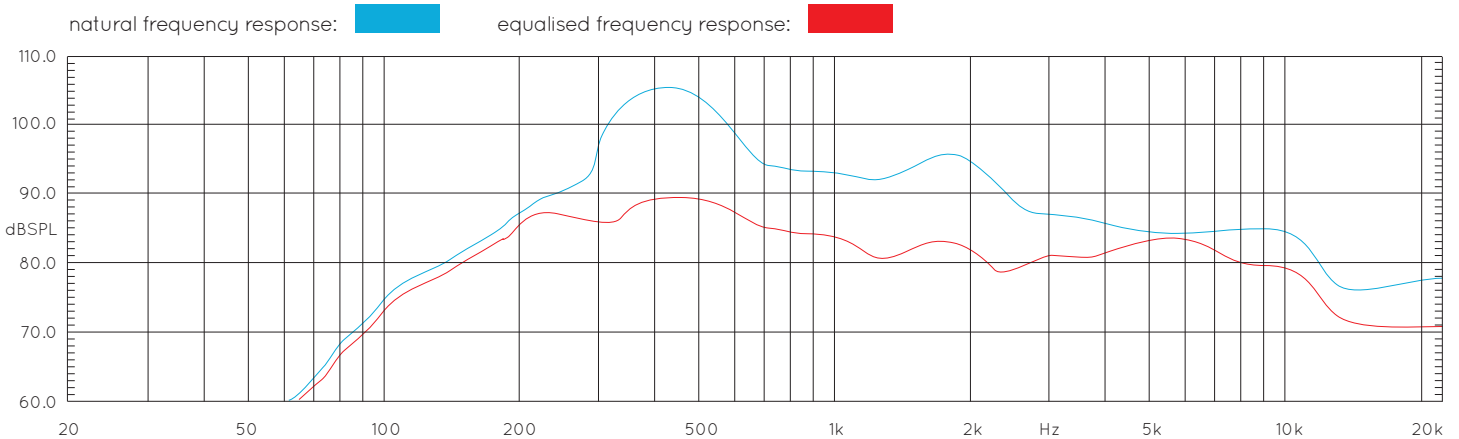
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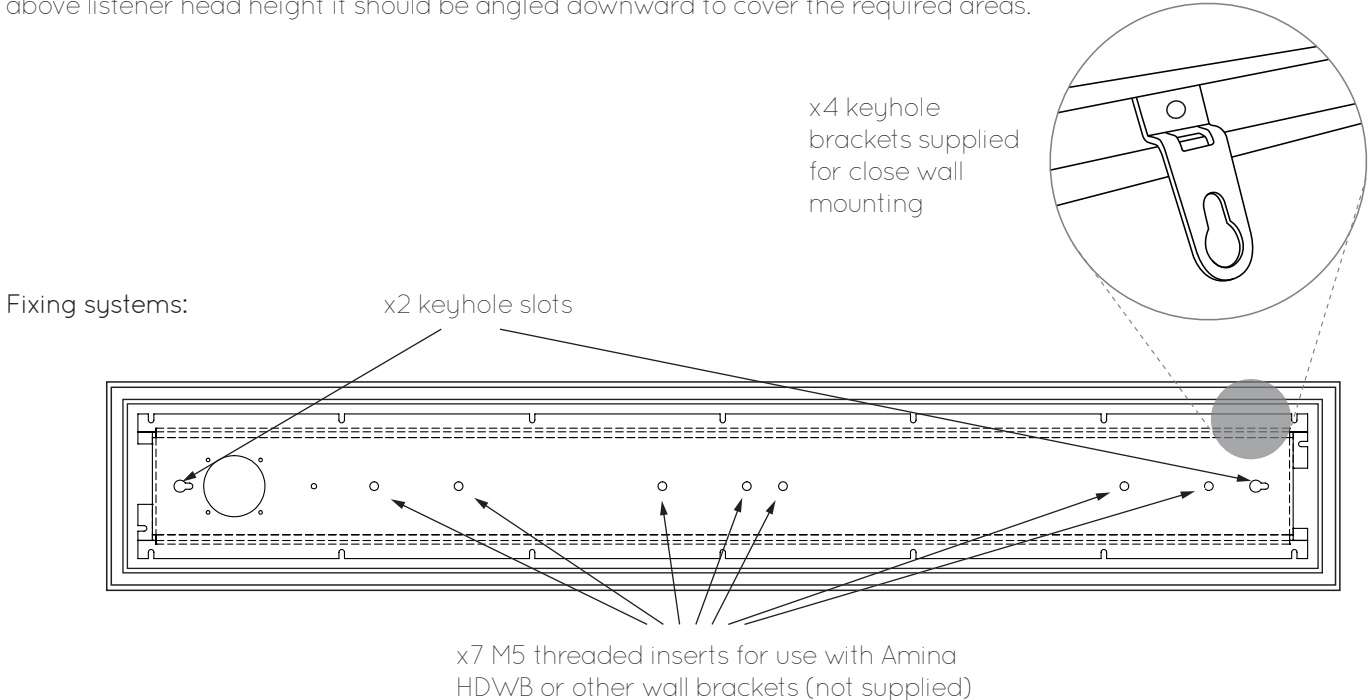
Frequency Response and EQ:

The ALA1015E requires a 31 band graphic EQ to correct its natural frequency response. Increasing gain below 200Hz is not recommended as this reduces power handling. The drive system should also feature a 24dB/octave high-pass filter at 80Hz or higher.



Frequency Response and EQ:

Due to the very narrow vertical beam of sound, the ALA1015E should be positioned and angled very carefully. If mounted above listener head height it should be angled downward to cover the required areas.



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