

EVOLUTION SERIES AIW550E

High Performance
Invisible Loudspeaker
Product Data Sheet



- **Completely invisible, high fidelity loudspeaker**
- **Easy to install into cavity walls, solid walls or ceilings**
- **Simply skim over with a finishing coat of plaster**
- **Suitable for medium/ high powered audio systems**
- **Features new technologies providing smooth frequency response and enhanced clarity.**

The AIW550E Evolution Series loudspeaker takes invisible loudspeakers to a whole new territory with respect to sound quality. Easy to install and rendered invisible behind a 2mm skim of plaster or other materials such as wood, wood veneer or leather. It is the perfect solution for aesthetically sensitive applications.

- **OptiDaming technology** delivers **increased low frequency extension and improved mid-range accuracy** by selectively tuning discrete vibrational modes that are generated in the loudspeaker's acoustical panel.
- **OptiDrive technology** optimally distributes the audio signal to the speaker's exciters to **ensure exceptional high frequency clarity on and off-axis.**

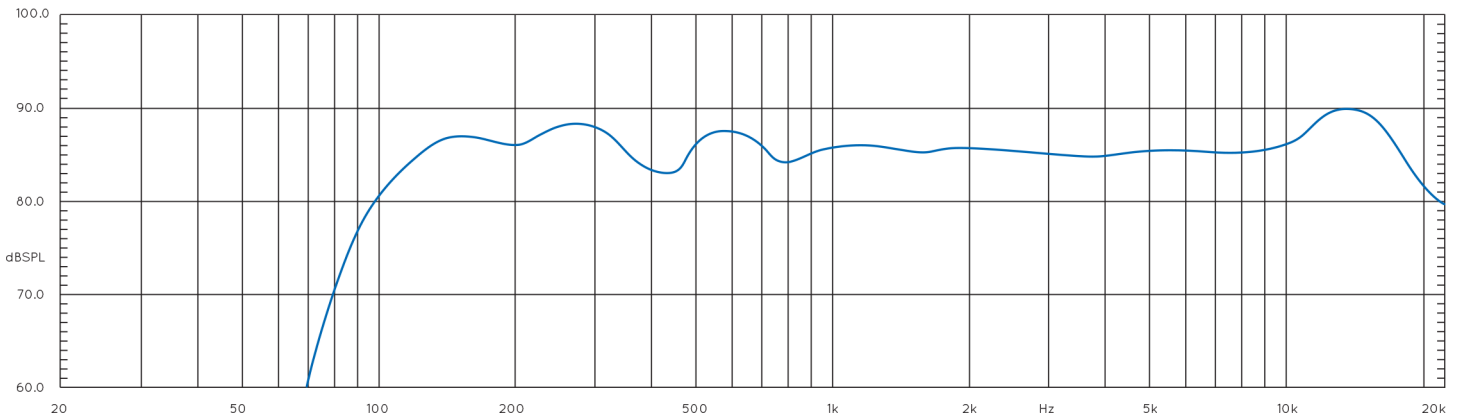
Specifications

AIW550E

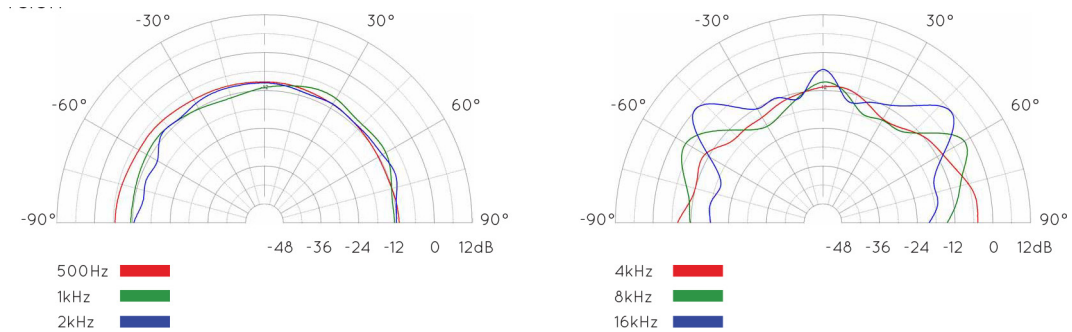
Nominal impedance	4 Ohms (APU550 connected)
Power handling (continuous/ peak)	50W/ 100W
Sensitivity (2mm plaster/ mud skim)	87dB 1m/ 2.83Vrms (APU550 connected)
Frequency response	105Hz - 20kHz (-6db) mounted in Backbox CV345 (APU550 connected)
Electrical connection	Blue butt splice crimp terminals (14-16 AWG)
Dimensions	450mm x 345mm x 40mm (17 ^{3/4} " x 13 ^{5/8} " x 1 ^{5/8} ")
Product weight	1.69Kg (3.73lbs)
Fixing requirements	Amina BackboxCV345 / BackboxSW345 (Wood adhesive and fixing blocks available on request)
In-line protection unit	APU550 or APURS/ 8E
Manufacturer limited warranty for residential applications	10 years

On Axis Frequency Response

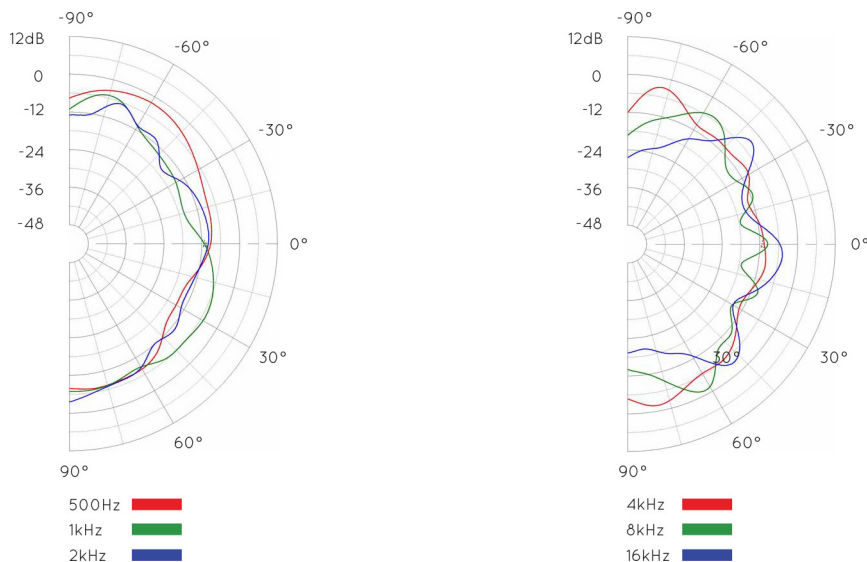
Product installed using Amina BackboxCV345 in 12.5mm (1/2") plasterboard with 400mm (16") stud spacing and 2mm thick plaster skim coat applied



Horizontal Dispersion



Vertical Dispersion



International

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