

EVOLUTION SERIES AIW450i

High Performance Dual
Input 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 AIW450i Evolution Series Plaster-In dual input loudspeakers are designed for smaller areas when stereo operation is not critical. The speakers are designed to be skimmed over with 2mm of normal finishing plaster or other materials such as wood, wood veneer or leather, providing a completely concealed audio solution perfect for aesthetic sensitive applications. By using the principle of vibrational panels, the exceptional clarity and room filling properties have much in common with the way an acoustical musical instrument works.

- **OptiDamping 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.**

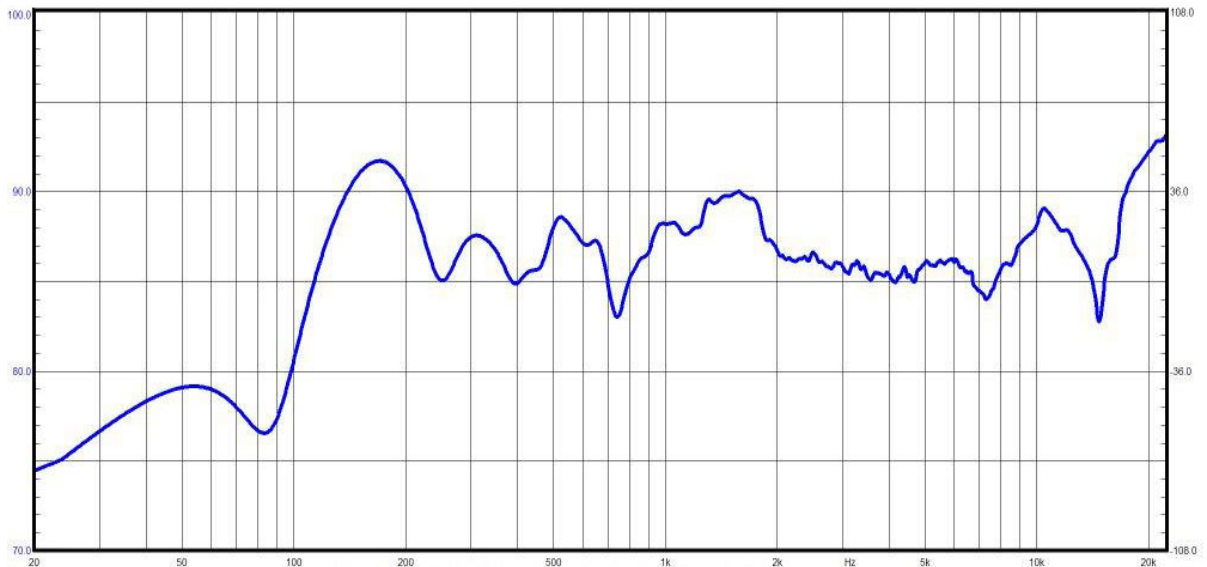
Specifications

AIW450i

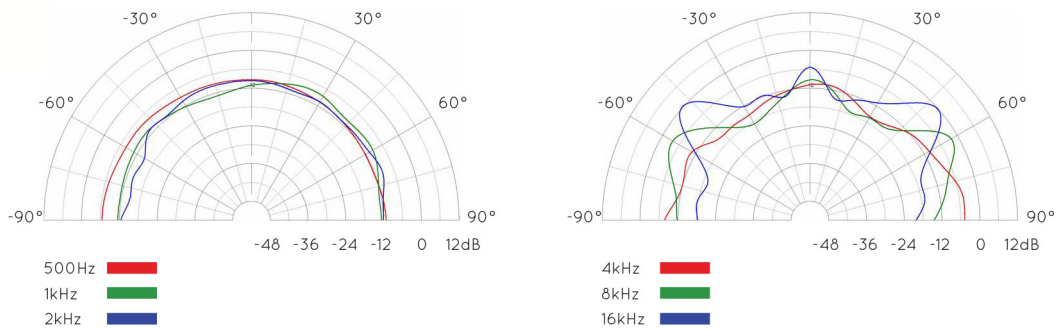
Nominal impedance	8 Ohms + 8 Ohms (APU350 connected)
Power handling (continuous/peak)	30W/60W + 30W/60W
Sensitivity (2mm plaster/mud skim)	87dB 1m/2.83Vrms (APU350 connected)
Frequency response	105Hz - 20kHz (-6db) mounted in Backbox CV345 (APU350 connected)
Electrical connection	Blue butt splice crimp terminals (14-16 AWG)
Dimensions	450mm x 345mm x 40mm (17 ^{3/4} " x 13 ^{5/8} " x 1 ^{5/8} ")
Product weight	2.1Kg (4.63lbs)
Fixing requirements	Amina BackboxCV345 / BackboxSW345 (Wood adhesive and fixing blocks available on request)
In-line protection unit	APU350 or APU-RS8E
Manufacturer limited warranty for residential applications	10 years

On Axis Frequency Response

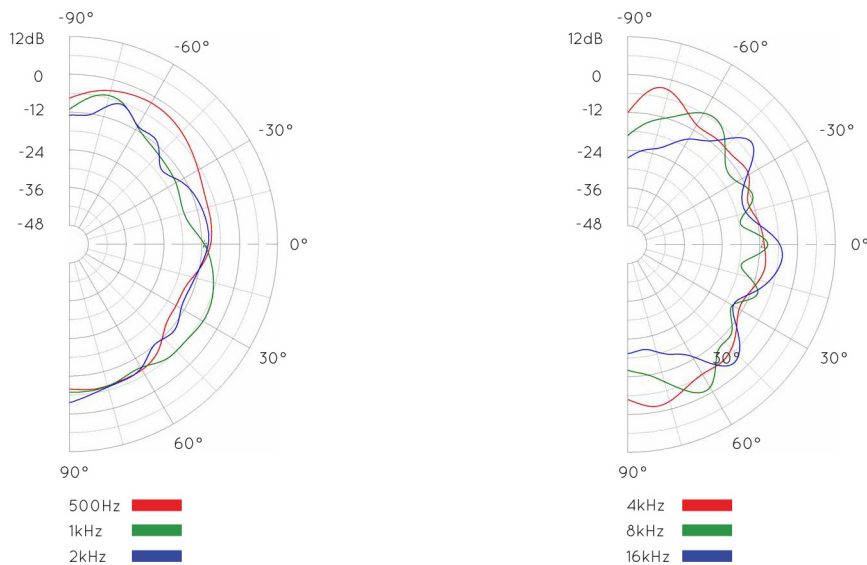
Product installed using Amina BackboxCV345 in 12.5mm (1/2") plasterboard with 400mm (16") stud spacing and 2mm thick plaster skim coat applied



Horizontal Dispersion



Vertical Dispersion



International

Amina Technologies Ltd
 Cirrus House, Glebe Road, Huntingdon
 Cambridgeshire, PE29 7DL, UK
 T: +44 (0)1480 354390
 E: inspired@amina.co.uk
 W: www.aminaco.uk

V 1.0 March 2015 © Amina Technologies Ltd

amina[®]
 TECHNOLOGIES LTD
**EVOLUTION
 SERIES**

US

Amina Technologies Ltd
 P: 1-866 462 6462
 F: 1-888-329 2491
 E: sales@aminatechnologies.com
 W: www.aminaco.uk