

amina in-wall loudspeaker solutions

in-wall speakers



amina[®]
TECHNOLOGIES LTD

who we are

UK design and manufacturers - Amina Technologies Ltd - is the world's leading supplier of bespoke flat panel loudspeaker solutions, using a revolutionary diffuse sound radiator technology known as NXT to meet the needs, not only of the audio installation industry, but also those of architects, interior designers and all other design conscious specifiers.

Using this latest innovation in sound technology, Amina flat panel loudspeakers are designed to meet the most rigorous installation requirements and provide unmatched clarity of sound reproduction, even in the most difficult of acoustically reflective spaces (e.g. glass, ceramics and water). Based around a wide range of formats, Amina specialise in creating bespoke and full custom loudspeakers to blend with or stand out in your chosen design environment.

Amina products are suitable for use in fixed installation public address, voice reinforcement, video conferencing, home cinema and music reproduction, in all types of venue ranging from corporate board rooms, retail, leisure, museums and exhibitions to churches, sports halls, transport concourses, law courts and residential spaces.

The Amina AIW5 In-Wall loudspeaker is designed to provide a completely hidden sound solution for home automation and corporate AV installations.



Jazz Hotel, Barcelona

Create stunning homes & corporate spaces



Hotel La Florida, Barcelona

For a truly stunning effect, why not treat yourself and visitors to the benefits of full surround sound home theatre and audio in every room without compromising on space or aesthetics?

In our designer age, everyone wants the technology but no one wants to clutter their beautiful spaces with numerous boxes and miles of annoying and unsightly cable. For lifestyle homes and creative corporate spaces, the Amina AIW5 provides the solution - a flat panel loudspeaker that actually gets plastered over! Apply it to ceilings, stud walls or even solid walls, leaving no visible trace of any technology within the room.

Stud wall sub-sections are becoming increasingly common, as we are all realising that straightening walls, flush mounting PLASMA or LCD screens, adding lighting effects and generally creating stunning features, is not difficult to achieve.



case studies

Don't just take our word for it. These outstanding products are already used in some of the most prestigious public buildings and private residences across Europe.

Jazz Hotel, Barcelona

Situated in the centre of Barcelona, this new hotel attracts a first rate client base to its restaurant with the help of ceiling mounted Amina In-Wall panels creating true ambience without a visible source.



Gaudi Museum, Barcelona

This key building is now used as both museum and conference facility. Amina products provide PA and background music with as little impact on the interior as possible.



Private Barn, Northampton

Amina worked with architect's Simon Condor Associates in this recent conversion from barn to residence. It features four Amina In-Wall products creating a full surround sound system whilst maintaining the minimalist lines required by the client.



Other installations include; Microsoft Headquarters - Sweden, IBM - Sweden, Ausgleiesbank - Germany, Penny Hill Park Hotel in Surrey - UK and Nyphenburg Castle in Germany.



simple to install...

In new build or retrofit applications simply follow the straight forward instructions below:

Simple to install: Stud walls



Step 1:
Create aperture



Step 2:
Position installation lugs



Step 3:
Fix installation lugs



Step 4:
Locate Product



Step 5:
Fix Product in place



Step 6:
Apply jointing tape



Step 7:
For dry wall application, set panel back 1mm then fill joint and skim over surface of panel with joint compound.



Step 8:
Skim with plaster to blend with rest of wall



Step 9:
Decorate with paint or wallpaper



For block wall structures, create a 75mm deep aperture in wall, fix the AIW5 in place, tape the joint, then skim over the surface of the wall and the panel, or simply feather into existing plaster work using lightweight plaster mixes (e.g. British Gypsum 'Easyfill').

Hotel La Florida

One of the most luxurious hotels in Europe, perched high above Barcelona, has the most stunning views of the city and the Mediterranean coast line.

Working with Amina, the client achieved their desire of delivering audio to every room without the visual intrusion of conventional loudspeakers.

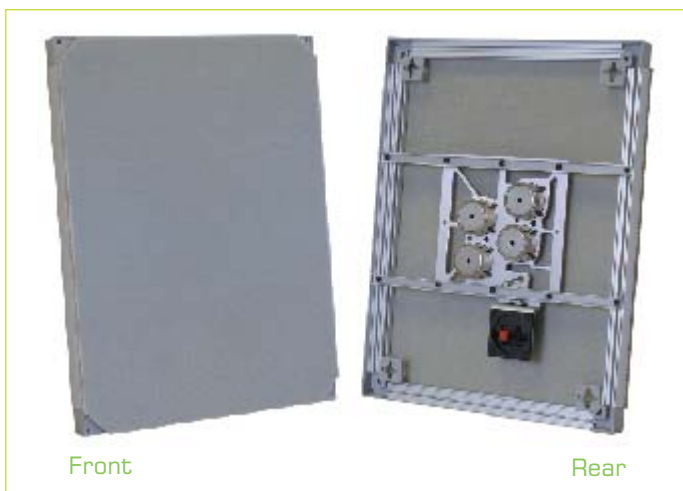




the product

The Amina AIW5 In-Wall loudspeaker comprises a specialist lightweight yet very strong composite panel material, which vibrates in the centre, but is held rigidly in its perimeter frame. At the heart of the AIW5 is its acoustic 'engine' using four of the very latest rare earth magnet, high power vibrational excitation drivers, allowing it to handle an incredible 80W of continuous power. Generating a massive 105dB of sound, even after plaster is applied, the AIW5 therefore has the ability to cope with the most dynamic of sounds, from individual notes of the classical guitar to the giant explosions in a modern action movie. The excitation drivers set up tiny but powerful vibrations, (you can feel them, but you cannot see them) in the panel. These are then transferred through the plaster, paint or wallpaper that is placed on top of it. The rigidly held perimeter of the panel means that the vibrations cannot cause cracking around its edge.

Operating in the same way as natural musical instruments such as the acoustic guitar, violin or piano, these vibrations recreate sounds far more evenly and less directional than a conventional cone based speaker. This creates a very wide area in which the surround sound or stereo sound field is heard properly, even when seated right against the active wall.



Front

Rear

The width of the product allows it to fit well within 400mm centred wood or metal stud-work commonly used today in walls and ceilings. However, for special cases (for example for setting in the plaster work between old wooden ceiling beams in heritage properties), narrower units can be made to order. Please contact Amina for details.

A powered sub woofer is recommended for applications requiring low bass frequencies. For the very best results, your system electronics should comprise in-line equalisation to enable 'voicing' of the completed room.

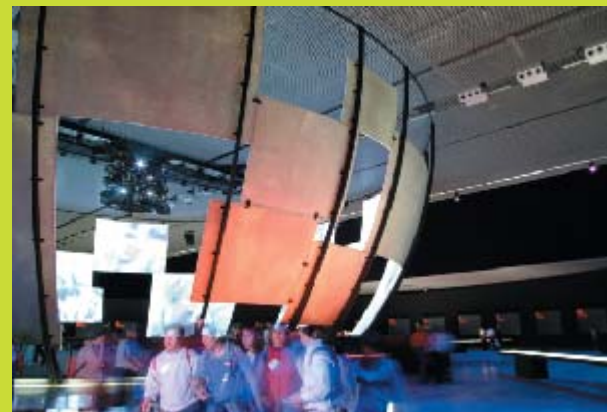
Specifications

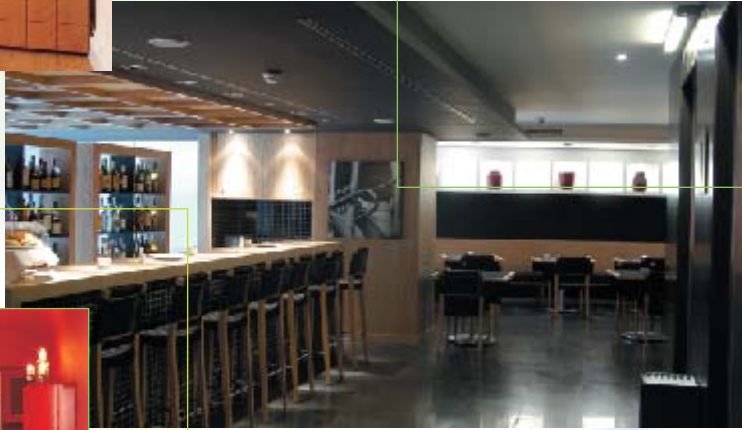
MODEL	AIW5
Nominal Impedance	8
Power Handling: Continuous	80W
Peak	320W
Sensitivity (with 1.5mm plaster skim)	87dB
Frequency Range	150Hz to 20KHz
Dimension	450mm x 345mm x 40mm
Minimum Aperture Depth	75mm from front of panel
Shipping Weight	3kg each
Boxed	Singles



Forum, Barcelona

The Forum exhibition complex is the centrepiece of a new development area on the Mediterranean coast beside the Olympic village. It uses 44 of the Amina In-Wall loudspeakers to provide an impressive yet completely hidden sound system throughout.





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Warranty

All Amina products are guaranteed against defective workmanship for three years.
Amina is a registered trade mark of Amina Technologies Ltd.
NXT is a registered trade mark of New Transducers Ltd.
Under our policy of continuous improvement, we reserve the right to change specifications without prior notice.
E&OA

“sound has never looked so good...”