



*amino*®

TECHNOLOGIES Ltd

**invisible  
loudspeakers**

# Invisible\* Loudspeakers for Inspirational Interiors

\*When installed

Enhance any space, whatever its style or age, with a modern sound system based around Amina Invisible Loudspeakers.

Create the perfect high fidelity room filling audio solution, with no unsightly interruption to ceilings or walls, allowing you to focus on the important things in life: the decoration, design and ambience of the environment.

Amina loudspeakers are normally installed below a final skim coat of finishing plaster or drywall compound, but they can also be successfully installed in wood panelling and other surface materials. Walls and ceilings are then painted or wallpapered to taste.

Whether for a historic, classic, modern home or luxury apartment, or for the opulence of a hotel interior or decadent retail space, an Amina Invisible loudspeaker exists for every application. They allow a level of freedom in interior design not previously thought possible, whilst providing audio reproduction that goes with the modern IT and AV technology that we want to live and work with today.

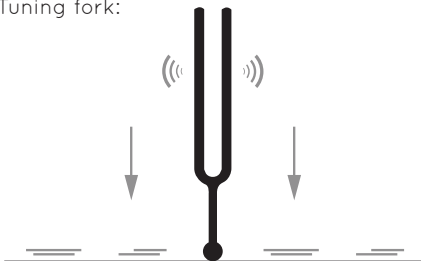
## How it works

The idea that sound can only be made electrically by the piston based cone speaker known for over a century is a misnomer. Sound can also be made by using the millennia old principles of the vibrating or resonant surface that we find in the natural musical instrument e.g. the violin.

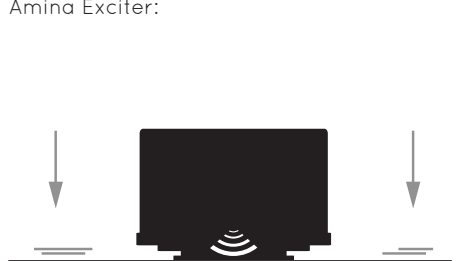
By replacing the strings in the musical instrument with a powerful full range electrically driven tuning fork (we call it an exciter), and by replicating the shaped body of the instrument with modern lightweight composite flat panels, Amina creates a low profile, highly effective vibrational surface loudspeaker. Once the device is installed and plastered over, the plaster becomes an inherent part of the vibrating soundboard, so no high frequency reproduction is lost.

This can be controlled and driven by conventional audio amplifiers and your choice of audio source, be it the TV, radio, CD or the modern digital streaming device.

Tuning fork:



Amina Exciter:



# Installations

## Wood you believe it!

For installations behind wood, Amina can supply speakers with a special adhesive already in place. This results in a strong, permanent bond between the front panel of the speaker and the material.

This room in Castle Dean boasts a bespoke piece of furniture creating a surround for a 50-inch plasma TV screen and incorporates Amina Invisible Loudspeakers.



## An exhibition of invisible sound

With its modular structure, clean, crisp lines and minimal interior, the Plataforma das Artes (Platform of Arts and Creativity) provides a blank canvas for artistic, cultural and social-economic activity in Guimaraes, Portugal. In an environment such as this, all elements require careful consideration, not least the audio system. Amina Invisible Loudspeakers were the only choice to retain the superb, minimalist interior.



## Invisible sound for discerning travellers

Rich woods, plush fabrics, engaging artwork, sumptuous design and incredible locations are the hallmarks of one of the most respected hotel chains in the world; Mandarin Oriental. The hotel chain recently adopted Amina Invisible Loudspeakers within the veneered wooden ceiling in the Mandarin Grille restaurant in Kuala Lumpur.



# Installations

## Period properties

Set in the heart of rural Hertfordshire within the grounds of a private estate, this 4000ft<sup>2</sup> barn blends many traditional building techniques with the latest digital technology. The result is a rustic and beautiful home uniting a fantastic restoration with 21st century innovation. Adopting advanced AV technology including Amina Invisible Loudspeakers, this project won "2012 Best Integrated Home £30,000 - £100,000" at the CEDIA awards.



## Modern, minimalist

In completely renovating their home near Tel Aviv, the Israeli owners of this space had a clear vision of a minimalist interior with zero clutter. In choosing Amina, their interior designer successfully created a contemporary design with lightly coloured decor to provide a striking, light and airy, open plan environment. The result was a home to be proud of and a wonderful place to entertain family and friends.



## Wet areas and pools

These days no pool is complete without the latest AV equipment - this was no exception. The system had to blend seamlessly with the decor around the pool. Whilst most of the technology can be hidden, how do you install loudspeakers safely and reliably without leaving a blemish on the interior design? The answer - Amina Invisible Loudspeakers!



# Invisible Loudspeaker Solutions

Amina have a range of products, from the price performance iQ developer series suitable for applications ranging from multi dwelling developments and for use in commercial and the hotel & leisure sectors. Through to the Best in Class Evolution series intended for high performance, residential applications where the ultimate in audio performance, dynamic reproduction and absolute acoustic definition is required.

AIW550E ▶



All ranges include single channel devices for use in high performance stereo and surround systems as well as dedicated dual channel products for use in areas such as bathrooms and other less important spaces where both channels of a stereo signal are required to be reproduced, but where a wide soundstage is economically unjustified.

iQ3 ▶



With models available having maximum power capabilities ranging from 30W, 60W, 100W right up to 200W on the high end audiophile AIW750E, Amina offer a product to match the loudness expectation of any application from modest background reproduction to extremely loud home cinema.

## Bass Support Products

For high performance locations, Amina produce a range of 'almost' invisible and super discrete sub bass products to complement its range of plastered over invisible speakers. These products, based around a conventional low frequency driver in a cabinet are, unlike most sub bass products on the market, specifically designed to be built into ceiling cavities, wall voids, behind kick boards and within joinery and furniture, to quite literally make them disappear. A simple, discrete, small port hole is all that is required to vent in to the room space to reproduce powerful low frequency sound energy.

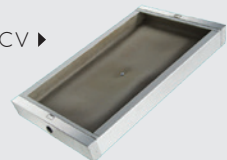
ALF80 ▶



## Accessories

Amina produce a range of back-box accessories to allow fast mounting and installation of all its invisible speakers within stud walls, ceilings and solid block wall construction types. The BackboxCV also reduces the amount of rearward sound travelling backward into the wall and ceiling. Full fire barrier specification back-boxes are also available on request.

BackboxCV ▶



# Further Information

Made in England

## A Sound Investment

With Amina invisible loudspeakers installed, your walls or ceilings can simply be redecorated to keep up with current trends. Furniture and fixtures can be changed, all to give you a brand new look. The initial investment in an Amina Invisible Loudspeaker is not lost should you move home. In fact, fitting Amina products in your home as part of a modern entertainment and automation system can make your home more appealing to potential buyers.

## Warranty

All Amina Invisible Loudspeakers, purchased through and installed by experienced and authorised professionals are warranted for ten years in residential applications. Amina will provide a like for like replacement at no charge should a product experience a fault caused by manufacturing defects during the warranty period. Under our policy of continuous improvement, we reserve the right to change specifications without prior notice. E&OA.

We advise the use of a professional to install our product. A trained audio installer (e.g a CEDIA member) knows just what to look out for when installing and integrating our product with your existing electronics. To understand how the professional will install Amina Invisible Loudspeakers into your property please visit our home page and select our video installation overview or scan the QR code below to be taken straight to it.



Contact Amina to arrange free RIBA and BIID approved CPD seminars



**INDUSTRY  
PARTNER**



CUSTOM  
ELECTRONIC  
DESIGN &  
INSTALLATION  
ASSOCIATION

Amina is a registered trademark of Amina Technologies Ltd.  
Copyright Amina Technologies Ltd, United Kingdom  
Amina Technologies Ltd,  
Cirrus House, Huntingdon, Cambridgeshire, PE29 7DL, UK

Document: Marketing 2013 v1.3 — Printed in UK

T: +44 (0) 1480 354390 / W: [www.amina.co.uk](http://www.amina.co.uk) / E: [inspired@amina.co.uk](mailto:inspired@amina.co.uk)

VAT registration no: 728 2595 09 / Company Registration no: 3656822