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FREEDOM TO CREATE

Increasing demand for integrated lifestyle technology combined with the associated 'aesthetic-clutter' that it brings has led to a rise in hidden technology solutions. With 30% of brain power dedicated to visual stimulus and only 2% dedicated to audio, it is clear that the way we 'see' sound has a huge impact on the way we perceive it. By removing the aesthetic aspect, it allows complete focus on the audio art-form as it was intended.

ACOUSTIC BENEFITS

Amina DML speakers provide full-bandwidth 180° dispersion and generate what is known as a diffuse spread-source waveform instead of a conventional point-source waveform. These dispersion characteristics allow the speaker to produce smooth room filling immersive sound. Whether used for lower level everyday lifestyle listening, noise masking, foreground listening or home theatre application, Amina has a range of high fidelity invisible speakers to match your requirements.

CONSTRUCTION BENEFITS

Consisting of a flat radiating panel and a low profile exciter drive system, Amina speakers provide the opportunity to integrate seamlessly with the design of the property. The flat section of a wall, ceiling or piece of furniture can be used to generate roomfilling sound while becoming completely invisible once installed.

Part speaker and part construction material, Amina invisible speakers are designed to be just as much a rugged building material as they are a precise acoustic device.

Designed for acoustic excellence, engineered for construction.

ALWAYS INVISIBLE

DRYWALL SPEAKERS

With cavity walls and ceilings being a staple of the construction industry globally, Edge**i** series speakers provide a high performance solution in a lightweight and easy to install package where cavity walls and ceilings have been used.

Designed to replace a small section of plasterboard/drywall, Amina Edge is speakers have their perimeter filled, taped and feathered in the same way that tapered board is installed and finished. The entire wall/ceiling is then painted and decorated, making the speaker completely invisible.

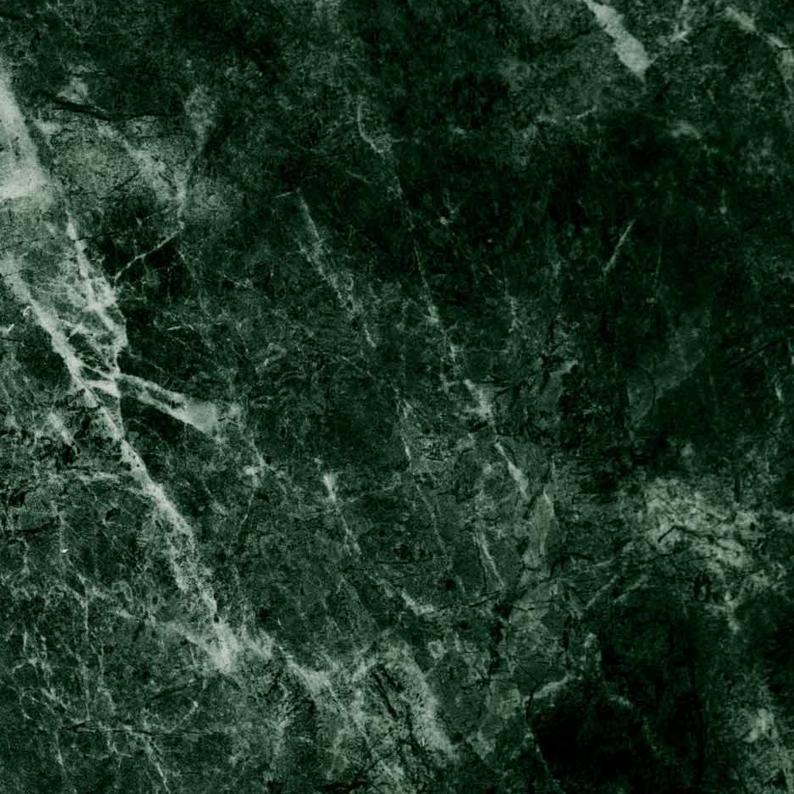
Amina speakers are only ever attached to the plasterboard itself and not the studwork, meaning that no special framing is required and reducing sound transmission.

FULLY COVERED SPEAKERS

Where drywall building techniques are not being used, or for where there is a specialist covering material, Amina Mobius *i* series speakers provide a flexible sound solution for a range of design-led finishes.

Engineered to work with a covering material, Mobius i speakers can be installed into a number of different materials or with a variety of finish options and provide ultimate installation flexibility.

Covering options include wood, leather, natural stone veneer, wet plaster skim (cavity or solid block installation) or specialist finish such as acoustic or polished plaster. This includes DIBOND®, a composite material with Aluminium skins, available in various finishes, even including a mirror finish.



MOBIUS*i* SERIES

HIGHLY FLEXIBLE DESIGN INTEGRATION.

The Mobiusi series provides the greatest flexibility for interior design integration and installation of any invisible speaker. Delivering incredible high frequency performance across the entire listening position, allowing for perfect reproduction with all the detail and clarity, no matter where in the space you are listening from Engineered to work behind a range of covering materials such as wet plaster skim (2mm), wood, leather, or high pressure laminate, to name a few, Mobiusi series speakers offer the most flexible invisible audio solution available.



EDGE*i* SERIES

THE LATEST INNOVATION IN INVISIBLE SPEAKER TECHNOLOGY.

A new revolutionary design for invisible speaker technology, the Amina Edge*i* series offers smooth low frequency extension with increased power handling and sensitivity, resulting in a dynamic and engaging listening experience that has never previously been heard from an invisible speaker.

Building on the incredible performance of the Amina Mobius series, Amina Edgei series speakers incorporate patented OptiDampingTM, OptiDriveTM, Reduced-resonance exciter technology and Amina's new (patent pending) ToneReliefTM technology, built into a plaster up-to design. Designed for application within drywall construction techniques, Amina Edgei series speakers incorporate a tapered perimeter. Once taped, filled, sanded and painted, the speaker becomes fully invisible. The Amina Edgei series can also be installed in post-plaster situation (retrofit) where there is a full wet skim (Amina Edgei series speakers should not be fully plastered over).







4 Ohms 30W/60W 85dB 1m/2.83Vrms 87Hz - 19kHz (± 6db)

1.1kg (2lbs 6oz) 400mm x 300mm x 30.7mm

> BackboxCV300 APUi30C



Mobius5i

4 Ohms 50W/100W 86dB 1m/2.83Vrms 70Hz - 27kHz (- 6db)

1.4kg (3.08lbs) 450mm x 345mm x 30.7mm

> BackboxCV/SW345 APUi50C_2

MOBIUSi SERIES



Mobius5*i*/**\$200**

4 Ohms 50W/100W 84dB 1m/2.83Vrms 90Hz - 30kHz (- 6db)

1.1kg (2.7lbs) 50mm x 200mm x 32mm

> BackboxCV200 APUi50C_2



Mobius Dual**i**

2 X 6 Ohms 2 X 30W/60W 83dB 1m/2.83Vrms 105Hz - 29kHz (- 6db)

2.1kg (4.6lbs) 450mm x 345mm x 30.7mm

> BackboxCV/SW345 2 X APUi30C



Mobius 7i

4 Ohms 75W/150W 87dB 1m/2.83Vrms 70Hz - 29kHz (- 6db)

> 1.8kg (3.96lbs) 450mm x 345mm

> > BackboxCV345 APUi70C_2

EDGE*i* SFRIFS





4 Ohms 30W/60W 86dB 1m/2.83Vrms 90Hz - 25kHz (- 6db)

> 1kg (2lbs 3oz) 400mm x 300mm

> > BackboxCV300 APUi30C



Edge 5i

4 Ohms 50W/100W 90dB 1m/2.83Vrms 60Hz - 26kHz (- 6db)

> 1.3kg (2.86lbs) 450mm x 345mm

> > BackboxCV345 APUi50C_2



Edge 7i

4 Ohms 75W/150W 90dB 1m/2.83Vrms 55Hz - 27kHz (- 6db)

> 1.8kg (3.96lbs) 450mm x 345mm

> > BackboxCV345 APUi70C_2

THE IB



THE NEW INTEGRATED BACKBOX

Building upon R&D at the cutting edge of invisible speaker technology, the 'iB' update to the Amina range not only provides significant acoustic upgrades, but introduces an entirely new installation technology for plaster finishes.

The all new integrated backbox ('iB') option combines any Mobius or Edge product with an acoustically tuned steel backbox and the patented Amina front mounting tab fixtures to provide a highly robust sealed unit for trouble free installation and lifelong operation. The Amina front mount process avoids any shimming requirements as of result of substrate depths, automatically ensuring the speaker is at the perfect level ready for skimming, resulting a faster installation times.

EN54 CERTIFIED

The full range of Mobius and Edge 'iB' products are now available with EN54 certification for voice evacuation systems in Europe and beyond.

For more information and datasheets, please visit: www.aminasound.com

COMMERCIAL SOLUTIONS

CT1



Offering a unique solution for office, healthcare and retail environments, the new CT1 uniquely fits perfectly within the space of a standard ceiling tile, to provide the same invisible, dispersive sound, in a simple plug and play format.

With a higher microphone gain before feedback using the CT1, this is the perfect product to integrate into offices, Zoom rooms and Board rooms.

HIGH IMPEDANCE TRANSFORMERS



Providing a great solution for high-end commercial installations, all Amina invisible speakers can be supplied with high-quality toroidally wound transformers for both 100V and 70V line systems.

Available in either multi-tapped or fixed power variants for the most flexible commercial installation of invisible speakers.

For more information please visit: www.aminasound.com/accessories

NEW ACTIVE PROTECTION

The GUARDIAN ACTIVE APU 2 channel and 16 Channel (1U rack mount) are the all new active protection units, providing the utmost safety measure for all Amina Speakers.

With this new Active design, you can virtually eliminate added distortion of passive devices. The 2 Stage voltage protection provides superior graduating limiting and the High Pass filter protects from excessive LF.





INTRODUCING ALF100

The new ALF100SM (in-wall-on-stud) and ALF100CV (in cavity) subwoofer marks the arrival of a new category of Amina subwoofer designs that are aimed at providing extremely discreet and powerful vented subwoofers that take up zero floorspace. The ALF100SM and ALF100CV sport a completely unobtrusive 5/8th x 12" vent that is easily hidden within skirting boards, baseboards, drywall or cabinetry. Utilizing a powerful 10-inch woofer in a vented, 4thorder, void-free Baltic Birch Plywood cabinet design, it produces solid sounding, deep bass, void of any chuffing or port noise.

This virtually invisible subwoofer is receiving rave reviews from industry professionals, describing it as a 'gamechanger'. Suitable for use in complete audio systems based around conventional or invisible speaker technology, the ALF100SM is externally powered by any suitable DSP enabled amplifier, allowing system crossover and optimization to suit specific room acoustics and musical taste.

What sets the ALF100SM design apart is its slim, compact size. Designed to fit within a standard 4" inch deep, 16" (400mm) wide stud or joist construction without any extra framing, its 1/2" (12.5mm) deep flanged front face enables solid fixing directly to the studwork. Installation is much like a drywall repair in retrofit, or is essentially a drywall section within new construction and comes with all hardware required. The cabinet is finished in a white primer coating especially formulated to accept a diverse range of gypsum and other coverings, so the ALF100SM will seamlessly blend into any environment, be it inwall or in-ceiling. The ALF100CV is designed to fit perfectly within a cavity and takes advantage of mechanically decoupled brackets to reduce energy transfer when attaching to studwork. The ALF100CV has a cleverly designed port that can be rotated to allow for flexible installation and porting. Ideal for high performance audio applications and for the most enthralling and magical home cinemas, the ALF100 is yet another mind-blowing and ear-pleasing invisible addition to the Amina family of sound solutions.

SUBWOOFERS

Discrete integrated subwooters using traditional subv room shaking bass for multi-channel surround sound systems. Vented through a small por actually designed to be installed into walls, ceilings,

Images shown to scale.







Nominal Impedance
Power Handling
Sensitivity (1m / 2.83Vrms)
Frequency Response (± 6dB)
Electrical Connection
Dimensions
Weight
Fixing Requirements
Protection / Crossover
Rack-mount Protection Unit
Warranty (Residential/Commercial)

ALF40
8 Ohms
60W
88dB
65Hz-155Hz
Sprung terminal binding post
359mm x 157mm x 134mm
$(14^{1/8"} \times 6^{3/16"} \times 5^{1/4"})$
3.2kg (7lbs 1oz)
L-brackets (supplied)
Built-in
N/A
3 Years

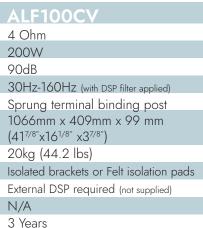
NewALF50CV
4 Ohms
150W
87dB
35Hz-160Hz
Sprung terminal binding post
546mm x 345mm x 99mm
$(21^{1/2"} \times 13^{37/64"} \times 3^{57/64"})$
13kg (28lbs 6oz)
Isolated brackets or Felt isolation pads
Built-in
N/A
3 Years

ALF80
4 Ohms
150W
86dB
36Hz-40Hz
Sprung terminal binding post
605mm x 270mm x 156mm
$(23^{7/8"} \times 10^{5/8"} \times 6^{1/8"})$
9.2kg (20lbs 2oz)
L-brackets (supplied)
Built-in
N/A
3 Years

voofer technology to add extra warmth all the way to

t opening, Amina subwoofers and bass enhancers are cabinetry or even positioned in-room.







ALF100SM
4 Ohm
200W
90dB
30Hz-160Hz (with DSP filter applied)
Sprung terminal binding post
1066mm x 409mm x 99 mm
$(4^{17/8''} \times 16^{1/8''} \times 3^{7/8''})$
20kg (44.2 lbs)
Surface mounted, screw to studs
External DSP required (not supplied)
N/A
3 Years



ALF 12U
6 Ohm
50W
96dB
27Hz-120Hz (with DSP filter applied)
Sprung terminal binding post
1605mm x 345mm x 118mm
$(63^{3/16"} \times 13^{1/2"} \times 4^{3/4"})$
17.5kg (38lbs 9oz)
Felt isolation pads (supplied)
External DSP required (not supplied)
N/A
3 Years

SUPPORT PRODUCTS

APU-RSiC

Passive rack-mounted protection unit for Amina low-impedance invisible speakers. For use in installations with higher numbers of low-impedance speakers with a centralised AV rack. Direct-to-PCB screw terminal-blocks allow for fast and easy permanent installation. Either 8 or 16 channel options available.

APUiC

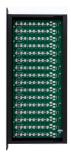
Single channel in-line protection unit for use with all low-impedance Amina speakers. Connected to the output terminal of the amplifier before the speaker cable to allow maximum speaker performance for a lifetime.
Can be easily dressed back with any cable management system.

BackboxCV (cavity wall/ ceiling)

Cavity wall backboxes are an easy to install mounting option for Amina speakers into plasterboard cavity walls and ceilings (drywall). Creating an acoustically tuned cavity behind the speaker, ensuring both consistent audio quality as well as minimising rearward airborne sound transmission.

BackboxSW (solid wall)

The BackboxSW provides a mounting option for solid or block walls and ceilings with Amina invisible speakers [not suitable for installation of Edgei series speakers].









Firehoods

Amina Firehoods by HoodyTM, allow you to easily meet fire rating requirements of a wall or ceiling with an inexpensive and easy to install solution, offering complete peace of mind. Constructed from an intumescent kevlar material, the Firehood comes in three different sizes, meaning that there is an option for each of the three speaker

Mounting Blocks

For use when there is insufficient cavity space for an Amina cavity backbox (less than 75mm). Allows installation of Amina speakers into plasterboard with a rear cavity depth of just 30mm (rear of speaker should be covered using soft insulation material where mounting blocks are used to prevent ingress of debris over time.

Shims

Shims available to allow alignment of speaker and backbox with any thickness plasterboard other than 12.5mm (1/2") (or multi-layered build-up), ensuring that no more than 2mm plaster is applied to the front of a plaster-over speaker. Shims can be used for alignment in a retrofit installation or alignment of Edger series speakers.

TABS

The Amina front mount tab process avoids any shimming requirements as a result of substrate depths, automatically ensuring the speaker is at the perfect level ready for skimming, resulting a faster and simpler installation times. [not suitable for installation of Edgei series speakers].



sizes that Amina has to offer.







