



Watch us make your speakers disappear!

STEALTH ACOUSTICS - TOTALLY INVISIBLE AUDIO SOLUTIONS

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Today's Home Theatre, Music or Distributed Audio systems require multiple speaker locations. The result can be an ever-growing number of speakers grills, boxes and hardware that compete with the decor of your living space. We invite you to experience the freedom of invisibility. With Stealth Acoustics products you can have dynamic full range audio placed where it needs to be without the architectural conflicts that occur with conventional speakers.



1. Invisible Acoustic 3-Layer Composite Material
2. Carbon-Fibre Mid-Range / Tweeter Driver Design
3. Crossover Network with 3-Stage Protection Circuits
4. Lever Technology Bespoke 8" Woofer / Sealed Enclosure

STEALTH TECHNOLOGY REVEALED - WHAT NO ONE CAN SEE



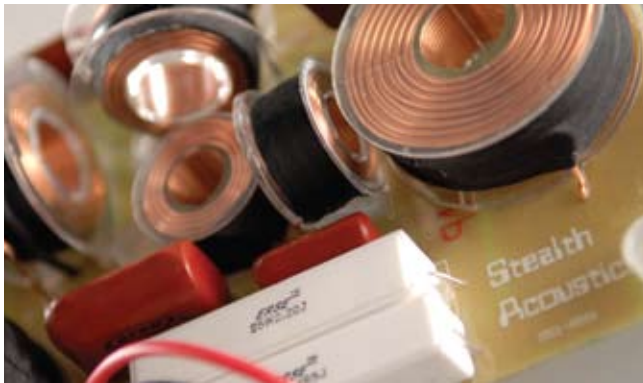
1 Invisible Acoustic 3-Layer Composite Material

Stealth Acoustics speakers are genuine, complete in-wall or in-ceiling speaker systems, not gimmick-like transducers. The speaker does not sit behind your wall - it is your wall. Stealth Acoustics utilises a unique invisible acoustic 3-layer composite material that is formed to match the adjoining wallboard and then finished with standard wall-finishing materials, instead of an unsightly grill. The result is an invisible solution without sonic compromise. The front panel of the speaker is mechanically isolated from the surrounding wallboard to prevent any cracking or dislodging of the finishing materials (i.e. paint or wallpaper).



2 Carbon-Fibre Mid Range / Tweeter Driver Design

Stealth speakers reproduce high and mid-range frequencies using patent-pending carbon-fibre / motor assemblies conceived by Stealth Acoustics. High-power Neodymium-magnet motors attach directly to very light, yet stiff carbon-fibre plates which reside just behind the speaker front panel face. This combination of powerful motors coupled to carbon-fibre plates is the Stealth technology used to create an invisible speaker system with impressive high-frequency output, even when painted or covered with wall paper.



3 Crossover Network with 3-Stage Protection Circuits

All Stealth Acoustics speakers utilise a simple, yet robust multi-stage crossover network which incorporates Polyswitch protection circuitry. By employing crossover components that exceed the rated power of the speaker, system reliability is greatly enhanced. Each stage of the speaker system is further protected from overload by self-resetting Polyswitches. The Polyswitches act as a sentry to how much power is delivered to the speaker. If amplifier power exceeds the rated capacity of the speaker, the Polyswitches reduce the power delivered to the speaker until the excessive power is removed, at which time they reset the speaker to normal operation.



4 Lever Technology Bespoke 8" Woofer / Sealed Enclosure

A bespoke 8" cone woofer is utilised to reproduce lower frequencies in Stealth speakers and subwoofers. The cone woofer energises air within a small-volume sealed internal chamber which in turn activates the speaker's flexible front panel face - this technology is known as an 'acoustic lever'. Stealth's acoustic lever principle couples excursion of the woofer to a much larger surface area of the panel to provide warm and naturally extended low frequencies.

THE STEALTH ACOUSTICS ASSURANCE



There is no place quite like home when it comes to the importance of design, aesthetics - the look, comfort and feel of your environment. This is one of the key concepts of systems integration; it's not just about integrating audiovisual equipment into a functional system, it's also about the ability to integrate those systems so they are visually complementary to your environment.

Most electronic components, such as amplifiers, processors, DVD players can these days be hidden away, but we are often left with numerous unsightly speakers around the house. Hence the growing demand for a great-sounding, but invisible speaker solution. This demand goes beyond homes and includes corporate boardrooms and other commercial facilities.

Many attempts have been made over the years to create a speaker solution that is heard, yet not seen; puck-type transducers attached to wall materials, Styrofoam and other approaches. All have yielded costly solutions that typically do not sound as good as a regular speaker. Now there is a unique way to allow speaker technology to disappear, while obtaining excellent sound quality.

INSTALLATION

The Stealth speaker systems are just that – true complete speaker systems that become invisible when installed. The Stealth speaker system installs and finishes as easily as a plaster sheet in a stud wall or ceiling space. Installation can be as simple as placing the wires in the high quality binding posts, attaching the speaker to the wall framing and finishing the wall surface. No special brackets or glues are required during installation.

QUALITY

Since our speakers become part of the finished wall or ceiling, we realise that reliability is paramount to our success. The quality components and crossover systems in all Stealth speakers are engineered and manufactured for heavy use and are equipped with self-resetting poly-switch overload protection to protect the drive units well below their rated power handling. To further ensure consistent quality, we test each Stealth speaker with computer analysis and a listening test before they are shipped. Stealth Acoustics share the same characteristics as regular speakers, including frequency response, sensitivity and power handling, as well as other specifications of high-end visible in-wall speakers. They work seamlessly with other components in your entertainment system. No special equalizers or signal processing is required; Stealth Acoustics products are equally comfortable being driven by an inexpensive stereo receiver, a whole house audio amplifier or high-end audio component.



AX3 Speaker being installed - rear and front view

10 YEAR ON-SITE WARRANTY*

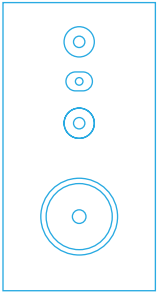
All Stealth speakers come with a standard 10 year on-site warranty, providing they are used in a domestic application. This warranty covers not only the replacement of the product, but also includes refinishing and repainting as required to match the original installation. *Conditions Apply

**10 YEAR
WARRANTY**

ABOUT STEALTH ACOUSTICS

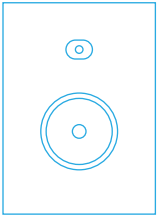
Stealth Acoustics is a division of US-based systems integrator Dimensional Communications Inc., a company with a passion for quality audio solutions for over 35 years. Production of Stealth Acoustics commenced in 1977. Each Stealth Acoustics product launched in these last 31 years consistently reflect a continued passion for unique invisible speaker systems that in the words of Paul Hagman (President and Chief Technical Architect) "*not only sound great and provide installation simplicity, but also offer unprecedented levels of elegance to you as the home owner.*"

THE STEALTH ACOUSTICS RANGE



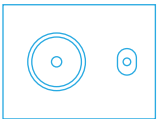
AX3 - Full Range 3-Way Invisible Speaker

The AX3, flagship of the Stealth Acoustics line of full range speaker systems, achieves a level of audio performance rivalling that of superior visible speakers. The AX3 is a 3-way system utilising three high-power neodymium motors and a high power 8" conventional woofer. The woofer fires into an air tight chamber creating an acoustic lever, activating the 400 x 760mm panel for low frequencies. The neodymium motors are bonded to carbon fibre transmission plates behind the panel face - one for high frequencies and two for midrange frequencies - configured in a manner that creates our Balanced Drive Midrange™. The result is an invisible speaker system with solid bass, crisp high frequency response and a midrange that is open and natural.



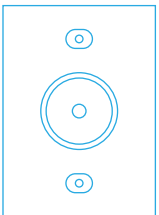
FX8 - Full Range 2-Way Invisible Speaker

Perfect for whole house audio, home theatre and surround applications, the FX8 is an 8" two-way, full range loudspeaker system. The FX8 utilises a high-power woofer and a single neodymium high frequency section in a panel measuring 400 x 560mm. As with all Stealth speakers, the FX8 is equipped with a heavy duty crossover that includes protection circuits on both the high and low frequency sections to prevent damage from excessive power.



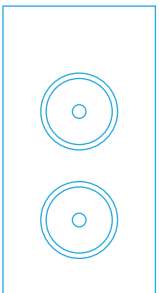
FX6 - Full Range 3-Way Invisible Speaker

The FX6 is our smallest footprint full range loudspeaker system, ideal for secondary listening locations and surround sound applications. The FX6 utilises a high powered 6" woofer and uses the same high frequency components as our larger models. Panel size is 400 x 300mm. The FX6 will provide an excellent audio solution where space limitation is a factor.



STX8 - Single Panel Stereo Invisible Speaker

The Stealth Acoustics STX8 is a unique single panel stereo speaker system with the same footprint as a single FX8 (400 x 560mm). Utilising a dual voice coil high-power 8" woofer and 2 neodymium high frequency elements, the independent channels are totally isolated with separate heavy-duty crossovers. The STX8 provides quality stereo coverage in small rooms such as bathrooms and hallways.



B1630 - Invisible Subwoofer Speaker Panel

The Stealth Acoustics B1630 is a two-panel invisible subwoofer system. Using Stealth's Acoustic Lever™ technology, the B1630 system provides exceptional bass output from 20Hz to 160Hz by trading off excursion for surface area to propagate large bass waveforms. Ideal for surround sound, foreground music or whole house audio systems that need extra bass output, each B1630 panel incorporates two acoustically coupled, high-quality, high-power 8" cone woofers. The panels are designed to work in pairs as a monaural output subwoofer, but can be used independently (parallel mode). The B1630 panels may be mounted adjacently, stacked or split to achieve desired acoustical results. A simple configuration jumper offers either 16 ohm or 4 ohm operation of the panel, allowing for a wide range of power amplifier configurations, especially when used with the companion 255R subwoofer amplifier.



255R - High Current Subwoofer Amplifier

A perfect compliment to the B1630 invisible subwoofer, the Stealth Acoustics 255R is a high-quality integrated monaural amplifier/crossover system designed as a high-current, low distortion power source for Stealth Acoustics invisible speaker panels or other unpowered subwoofer speakers. The 255R may stack with other system components or mount in a standard 19" (483mm) equipment rack. The 255R delivers a solid 250 watts into an 8 ohm load and 350 watts into 4 ohms. A variable low pass, 18db per octave filter allows for infinite crossover points from 50Hz to 150Hz and can be bypassed for full-range amplification applications. With a full complement of input and output connectors, the 255R is easily integrated into any audio system.

TECHNICAL SPECIFICATIONS

AX3 Full Range 3-Way Invisible Speaker

Frequency Response
40Hz to 20kHz \pm 4db
Power Capacity
150 Watts RMS
Protection
3 Independent self-resetting devices
(LF, MF and HF)
Sensitivity
85db 1 Meter 1 Watt

Magnet
High Frequency: Neodymium
Mid Frequency: Neodymium (2)
Low Frequency: Ceramic 20oz.
System Impedance
4 ohms nominal
Polar Dispersion
170 degrees Horizontal
170 degrees Vertical

Dimensions
403mm Wide
762mm High
83mm Deep
Finish
Pre-primed, graphic arts grade paper
Product Weight
8.8kg
Shipping Weight
18.0kg - shipped in pairs

FX8 Full Range 2-Way Invisible Speaker

Frequency Response
45Hz to 20kHz \pm 5db
Power Capacity
80 Watts RMS
Protection
2 Independent self-resetting devices
(LF and HF)
Sensitivity
86db 1 Meter 1 Watt

Magnet
High Frequency: Neodymium
Low Frequency: Ceramic 20oz.
System Impedance
8 ohms nominal
Polar Dispersion
170 degrees Horizontal
170 degrees Vertical

Dimensions
403mm Wide
559mm High
81mm Deep
Finish
Pre-primed, graphic arts grade paper
Product Weight
6.2kg
Shipping Weight
14.4kg - shipped in pairs

FX6 Full Range 2-Way Invisible Speaker

Frequency Response
50Hz to 20kHz \pm 5db
Power Capacity
80 Watts RMS
Protection
2 Independent self-resetting devices
(LF and HF)
Sensitivity
85db 1 Meter 1 Watt

Magnet
High Frequency: Neodymium
Low Frequency: Ceramic 15oz.
System Impedance
8 ohms nominal
Polar Dispersion
170 degrees Horizontal
170 degrees Vertical

Dimensions
403mm Wide
302mm High
73mm Deep
Finish
Pre-primed, graphic arts grade paper
Product Weight
3.8kg
Shipping Weight
9.2kg - shipped in pairs

STX8 Single Panel Stereo Invisible Speaker

Frequency Response
45Hz to 20kHz \pm 5db
Power Capacity
80 Watts RMS
Protection
2 Independent self-resetting devices
(LF and HF) each channel
Sensitivity
85db 1 Meter 1 Watt

Magnet
High Frequency: Neodymium (2)
Low Frequency: Ceramic 20oz.
System Impedance
8 ohms nominal
Polar Dispersion
170 degrees Horizontal
170 degrees Vertical

Dimensions
403mm Wide
559mm High
81mm Deep
Finish
Pre-primed, graphic arts grade paper
Product Weight
6.6kg
Shipping Weight
7.6kg - single panel

B1630 Invisible Subwoofer Speaker Panel

Frequency Response
40Hz to 160Hz
Power Capacity
100 Watts RMS
Sensitivity
86db 1 Meter 1 Watt
Drivers
2 x 8" woofers with
1 1/2" voice coils per panel

Magnet
Ceramic 20oz. each woofer
System Impedance
16 ohm or 4 ohm
Selectable by Rear Panel Jumper
Crossover Frequency
Requires amplifier with low pass filter.
50 Hz with 18db slope recommended

Dimensions
403mm Wide
762mm High
83mm Deep
Finish
Pre-primed, graphic arts grade paper
Product Weight
8.0kg
Shipping Weight
18.4kg - shipped in pairs

255A High Current Subwoofer Amplifier

Mono Power Output
250 watts @ 8 Ω < 0.05 THD
350 watts @ 4 Ω < 0.05 THD
Total Harmonic Distortion
<0.05 @ 1 watt 4 Ω / 100Hz
Signal to Noise Ratio
86db below rated output

Crossover Section
Low Pass Filter: 50Hz -150Hz / 18db
per octave (variable)
High Pass Filter: 18Hz / 30db
per octave (fixed)
System Impedance
8W nominal - 4W minimum
Current Draw
6.2A @ 350W/4W - 240V/50Hz

Dimensions
483mm Wide
89mm High (without feet)
346mm Deep (excluding front panel knobs)
Product Weight
14.2kg
Shipping Weight
14.74kg



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