

Stealth Acoustics

Totally Invisible Speakers | Amplifiers



Putting Aesthetics Over Technology

Experience performance and the freedom of invisibility.

Today's multi-channel surround sound and whole-house audio systems often require multiple speakers. The result can be an ever-growing number of intrusive speaker grilles and boxes that compete with the carefully designed décor of your living space.

Discriminating listeners are increasingly demanding great sound and great looks – high performance audio systems that deliver impeccable performance yet blend seamlessly into their environment without compromising aesthetics.

Stealth Acoustics invisible speakers and subwoofers deliver unprecedented full-range sound and are the perfect solution for totally invisible multi-room audio, home theater and surround sound systems. Our invisible speakers are also ideal for foreground and background music, voice paging and program reinforcement and disappear into either walls or ceilings during remodeling or new construction.

The Stealth Acoustic system provides all of the components to design and install totally invisible audio:

- Totally invisible full-range speakers
- Totally invisible subwoofers
- Amplifiers

Although the highest level of performance occurs when using Stealth Acoustics amplifiers to power our speakers in a system approach, the speakers also perform exceptionally well with common amplifiers, receivers and processors. Our invisible speakers can be connected to any existing audio system without the need for special processing equipment.

We invite you to experience the freedom of invisibility with dynamic full-range audio placed where it sounds best, without the design conflicts that can occur when installing conventional speaker systems.

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Giving A New Voice To Invisible Speakers

Invisibility has never sounded this good.

Introducing Stealth Acoustics' all new LineaResponse™ series of invisible speakers that meet or exceed the sound quality of expensive visible speakers.

Building on our award-winning line of invisible speakers, we've incorporated an entirely new face panel material that delivers unmatched warmth, realism and depth of sound – all while making installation even easier. No fatigue, no lost detail, just the best sounding family of totally invisible speakers and subwoofers available.

LineaResponse™ technology provides a new and pleasant voicing to invisible speakers, allowing them to output full and natural sound even at very low listening levels. A full product line and robust power handling provides great sound at the

listening levels expected in modern music and home theater systems, especially when paired with the Stealth Acoustics model 8400 multi-channel amplifier and tuned with the built-in DSP optimization.

LineaResponse™ full range invisible speakers and subwoofers, coupled with our amplifiers provide a total "system" approach to invisible speakers, providing the best possible sound while eliminating unsightly grills and bulky boxes used with traditional speakers. This really is "The End of Aesthetic Pollution™" when it comes to making the right speaker choice for your home or project.

“The new LineaResponse™ line of invisible products from Stealth Acoustics is mind-blowing. The detail and imaging we're getting from the speakers is like nothing I've ever seen in an invisible solution before. Stealth Acoustics is truly bridging the gap between audiophile's ears and designer's eyes.”

Sound Response
New York, New York

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Totally Invisible Speakers Without Compromise

Blend Stealth Acoustics speakers into nearly any décor.

There is no place quite like home when it comes to the importance of design, aesthetics and comfort. Preserving this environment is one of the key concepts of the next generation of audio system integration – it's not just about integrating audiovisual equipment into a functional system, it's also increasingly about the ability to integrate those systems so they are visually complementary to any environment.

A great sounding invisible speaker that does not conflict with the design or décor simply makes a space more livable and adds to the value of a home. Architects, designers and homeowners now have a unique way to hide speaker technology and still have excellent sound quality in the

home, boardroom, corporate center, and other visual-centric environments.

Stealth Acoustics' totally invisible full-range speakers and subwoofers disappear into the wall of nearly any décor using standard drywall finishing techniques. With Stealth Acoustics invisible speakers, you have more design freedom, less wall clutter, and great sound that rivals more expensive visible speakers.

Perfect for both new construction and remodel projects, Stealth Acoustics' new LineaResponse™ series are the only invisible speakers and subwoofers that truly deliver this combination of great sound and great aesthetics.

“When I needed to create a striking surround sound system that would impress a husband, wife, and their decorator, I chose Stealth Acoustics. The choice allowed us to have it all – powerful surround sound without overpowering a room with speaker boxes or in-wall grilles.”

Entertainment Pros
Palm Harbor, Florida

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Simple installation – installs like a standard drywall patch



Attach to framing



Apply joint tape



Apply joint compound



Sand smooth



Paint

Stealth Acoustics invisible speakers reliably deliver maximum audio performance while minimizing the aesthetic pollution in your home or business. The installation process is as simple as fitting a drywall patch, and the speakers may be finished with a number of common modern methods.

The speaker line is comprised of two and three-way full range speakers as well as completely invisible subwoofer solutions. All speakers are installed using the same technique. The speakers are built on a solid frame and baffle board that contains the traditional drivers and crossovers found in high performance speakers. This portion mounts directly to the structural framing. The face of the speaker is smooth and durable and is designed to finish seamlessly with the wallboard surrounding it.

Stealth Acoustics' speakers are equally at home in the wall or ceiling and the edges of the speaker panel fit flush to the surrounding wallboard. The seams are taped and spackled using common materials and techniques. Simply sand the seams, apply your desired finish and then paint or wallpaper.

Finish options include latex paint, flat finish, orange peel texture, light plaster, light wallpaper, or light fabric. Advanced finishing methods are also available.

Reliable and Protected

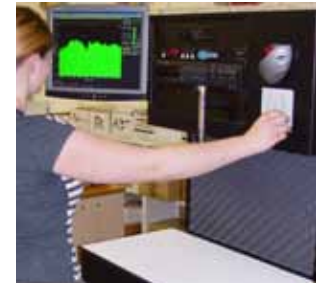
Each Stealth Acoustics invisible speaker is built to exacting quality standards to ensure reliable long-term performance, using over-provisioned components and self-resetting protection circuits on each speaker.

Quality Control

Every Stealth Acoustics invisible speaker is individually tested twice before shipment. First, the speaker is tested electronically and then each speaker is listened to by human ear to assure top quality sound.

Warranty

All Stealth Acoustics invisible speakers are covered by a 5-year product warranty.



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LR4

FULL RANGE, 3-WAY, DUAL PANEL

The LR4 - flagship of the Stealth Acoustics line of full range speaker systems - is a planar-front, two panel, 3-way passive loudspeaker system that becomes completely invisible after installation. Designed to work in conjunction with the LR4-B22 low frequency panel (included) to complete its full-range capabilities, the LR4 incorporates four direct-to-fiber neodymium midrange motors and one direct-to-fiber neodymium high-frequency motor aligned in the new Stealth Quad-Balanced Midrange Drive™ configuration. Advanced internal carbon fiber materials allow for smooth frequency extension to 20 kHz. The result is an amazingly articulate invisible speaker system with solid lows, crisp high frequency response and a midrange that has penetrating punch. The LR4 will impress discriminating listeners who seek invisible, audiophile grade, 2-channel speakers or a dedicated home theater speaker system.

“... it was difficult for me to even pinpoint the sweet spot. It seemed to be everywhere. The clear delivery of everything from jazz to classical was amazing ...magical.”

Joe Whitaker - The Soho Shop/CEPro.com
Austin, Texas

LR3

FULL RANGE, 3-WAY

The LR3 achieves a level of audio performance rivaling that of superior visible speakers. The LR3 is a 3-way system utilizing three high-power neodymium motors and a high-power 8" conventional woofer. Like all Stealth speakers, the woofer fires into an airtight chamber creating an acoustic lever, activating the 16" x 30" panel for low frequencies. The neodymium motors are bonded to carbon fiber 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™.

LR8

FULL RANGE, 2-WAY

Perfect for whole house audio, home theater and surround applications, the LR8 is an 8" two-way, full range loudspeaker system. The LR8 utilizes a high-power woofer and a single neodymium high frequency section in a panel measuring 16" by 22". As with all Stealth Acoustics speakers, the LR8 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.

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LR6

FULL RANGE, 2-WAY

The LR6 is our smallest footprint full range loudspeaker system, ideal for lower level background music, secondary listening locations and light-duty surround sound applications. The LR6 utilizes a high powered 6" woofer and uses the same high frequency components as our larger models. Panel size is 16" x 12". The LR6 will provide an excellent audio solution where space limitation is a factor.



SLR8

FULL RANGE, 2-WAY, SINGLE PANEL STEREO

The Stealth Acoustics SLR8 is a unique single panel stereo speaker system with the same footprint as a single LR8 (16" x 22"). The SLR8 utilizes a dual voice coil, high-power 8" woofer and two neodymium high frequency elements, and the independent channels are totally isolated with separate heavy-duty crossovers. The SLR8 provides quality stereo coverage in small rooms such as bathrooms and corridors.



B22

SUBWOOFER

Small but powerful, the B22 subwoofer system is a compact version of the larger B30 and is designed to complement the LR series speakers when used in whole-house audio systems where extra bass output is desired. Sold in pairs, each B22 panel contains one acoustically coupled, high-quality, high-power 8" cone woofer. Pair the B22 with the LR6, LR8 or LR3 to extend frequency response in any room.



B30

SUBWOOFER

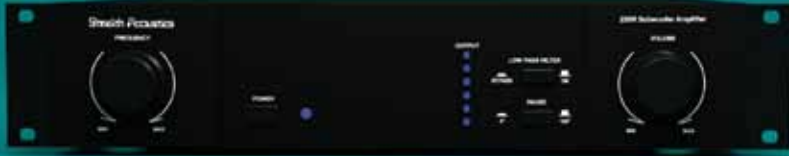
The B30 is a two-panel invisible subwoofer system. Using Stealth's Acoustic Lever technology, the B30 system provides exceptional bass output from 20Hz to 160Hz. Ideal for surround sound, foreground music or whole-house audio systems that need extra bass output, each B30 panel incorporates two acoustically 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 B30 panels may be mounted adjacently, stacked or split to achieve desired acoustical results. A simple configuration jumper offers either 16Ω or 4Ω operation of the panel, allowing for a wide range of power amplifier configurations.

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8400



255R

8400 8-CHANNEL AMPLIFIER with DSP

The 8400 is an integrated eight-channel amplifier/speaker optimization system designed as a low distortion power source for Stealth Acoustics invisible speaker panels or other unpowered speakers. The 8400 delivers 80 watts per channel into 8Ω. The adjacent channels are bridgeable to create 160 watts. The 8400 contains built in DSP optimization for the LR series and the B30 subwoofer allowing the Stealth Acoustics speakers to maximize their performance potential in any setting. This compact powerplant is designed to run cool and clean and is the perfect solution to achieving invisible, full-range, whole-house audio.

255R SUBWOOFER AMPLIFIER

A perfect complement to the B-series invisible subwoofers, the 255R is a high-quality integrated monaural amplifier / crossover system designed as a high-current, low distortion power source for Stealth Acoustics invisible subwoofer panels or other unpowered subwoofer speakers. The 255R delivers a solid 250 watts into an 8Ω load and 350 watts into 4Ω. A variable low pass, 18 dB 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.

Amplifiers

	255R Subwoofer Amplifier	8400 8-Channel Amplifier
Mono Power Output	250 watts @ 8Ω < 0.05 THD 350 watts @ 4Ω < 0.05 THD	80 watts @ 8Ω < 0.05 THD 160 watts @ 4Ω < 0.05 THD (bridged)
Total Harmonic Distortion	< 0.05 @ 1 watt 4Ω / 100Hz	< 0.05 @ 1 watt 4Ω / 100Hz
Signal to Noise Ratio	86 dB below rated output	86 dB below rated output
Low Pass Filter	50Hz - 150Hz / 18 dB per octave (variable with bypass switch)	Pre-defined EQ curves for Stealth Acoustics LineaResponse™ speakers, bass and treble control for each channel
High Pass Filter	18Hz / 30 dB per octave (fixed)	
System Impedance	8Ω nominal 4Ω minimum	8Ω nominal 4Ω minimum
Current Draw	6.2A @ 350W/4Ω - 115VAC/60Hz	12A @ full draw - 115-230VAC/50-60Hz
Width	19" (482 mm) with ears	19" (482 mm) with ears
Height	3-1/2" (89 mm) without feet	3-1/2" (89 mm) without feet
Depth	13-5/8" (345 mm) without knobs	13-5/8" (345 mm) without knobs
Shipping Weight	33 lbs. (14.8 kg)	20 lbs. (9.1 kg)

"The sound of this system is nothing short of amazing! These speakers have excellent detail, presence, imaging and with dual subs, all the impact an action movie junkie could want... and the look on your guest's faces when you fire it up... priceless!"

ACI Home Theater
Silver Spring, Maryland

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Invisible Speakers

	LR4 3-way Full Range Speaker	LR3 3-way Full Range Speaker	LR8 2-way Full Range Speaker	LR6 2-way Full Range Speaker	SLR8 Stereo Speaker
Frequency Response	45Hz to 20kHz	40Hz to 20kHz	40Hz to 20kHz	45Hz to 20kHz	45Hz to 20kHz
Power Capacity	200 watts RMS	200 watts RMS	120 watts RMS	100 watts RMS	120 watts RMS per channel
Min. Recommended Power	100 watts	75 watts	60 watts	50 watts	60 watts per channel
Protection	3 independent self-resetting devices (low, mid-range and high frequency)	3 independent self-resetting devices (low, midrange and high frequency)	2 independent self-resetting devices (low and high frequency)	2 independent self-resetting devices (low and high frequency)	4 independent self-resetting devices (low and high frequency each channel)
Sensitivity (1 meter @ 1 watt)	80 dB	81 dB	80 dB	81 dB	80 dB
High Frequency Driver	One 1" neodymium motor	One 1" neodymium motor	One 1" neodymium motor	One 1" neodymium motor	Two 1" neodymium motors
Midrange Frequency Driver	Four 1" neodymium motors	Two 1" neodymium motors	—	—	—
Low Frequency Driver	One 1.5" voice coil, one 8" woofer	One 1.5" voice coil, one 8" woofer	One 1.5" voice coil, one 8" woofer	One 1.5" voice coil, one 6" woofer	One 1" dual voice coil, one 8" woofer
Magnet	One ceramic 20 oz.	One ceramic 20 oz.	One ceramic 20 oz.	One ceramic 15 oz.	One ceramic 20 oz.
System Impedance	4Ω nominal	4Ω nominal	8Ω nominal	8Ω nominal	8Ω nominal each channel
Polar Dispersion	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical
Width	15-7/8" (403 mm)	15-7/8" (403 mm)	15-7/8" (403 mm)	15-7/8" (403 mm)	15-7/8" (403 mm)
Height	34" (864 mm) (combined panel height)	30" (762 mm)	22" (559 mm)	11-7/8" (302 mm)	22" (558 mm)
Depth	3-1/4" (83 mm)	3-1/4" (83 mm)	3-1/4" (83 mm)	3" (76 mm)	3-1/4" (83 mm)
Weight	52 lbs. (23.6 kg) - shipped as pair	43 lbs. (19.5 kg) - shipped as pair	29 lbs. (13.2 kg) - shipped as pair	19 lbs. (8.6 kg) - shipped as pair	19 lbs. (8.6 kg) - shipped each
Crossover	Passive 3-way @ 500Hz and 3kHz (asymmetrical)	Passive 3-way	Passive 2-way	Passive 2-way	Passive 2-way

Subwoofers

	B30 Subwoofer Speaker	B22 Subwoofer Speaker
Frequency Response	20Hz to 160Hz	30Hz to 150Hz
Power Capacity	100 watts RMS	80 watts RMS
Min. Recommended Power	60 watts	50 watts
Sensitivity (1 meter @ 1 watt)	86 dB	86 dB
Low Frequency Driver	Two 1.5" voice coils, two 8" woofers	One 1.5" voice coils, one 8" woofer
Magnet	Two ceramic 20 oz.	One ceramic 20 oz.
System Impedance	16Ω or 4Ω (selectable)	8Ω nominal
Polar Dispersion	170 degrees horizontal & vertical	170 degrees horizontal & vertical
Width	15-7/8" (403 mm)	15-7/8" (403 mm)
Height	30" (762 mm)	22" (558 mm)
Depth	3-1/4" (83 mm)	3-1/4" (83 mm)
Weight	42 lbs. (19.5 kg) - shipped as pair	26 lbs. (11.8 kg) - shipped as pair
Crossover Frequency	Requires amplifier with low pass filter 50Hz with 18 dB slope recommended	Requires amplifier with low pass filter 50Hz with 18 dB slope recommended

Stealth Acoustics' products and technology
have earned numerous accolades and awards, including:



And have been featured by:



The logo for Stealth Acoustics features the company name in a bold, sans-serif font. The text is white and is set against a dark teal background that has a wavy, liquid-like shape behind it.

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A Division of Dimensional Communications, Inc.

1220 Anderson Road | Mount Vernon, WA 98274 | www.StealthAcoustics.com | Toll Free: 888.865.6800 | Fax: 360.424.8872