

STEALTH

SEE NOTHING | HEAR EVERYTHING™



Invisible Speaker Project by Kamloops Smart Homes • www.kamloopssmarthomes.ca

CELEBRATE
GEN 8

LINEA **R** ADIANCE
INVISIBLE SPEAKERS | SUBWOOFERS



LINEARADIANCE

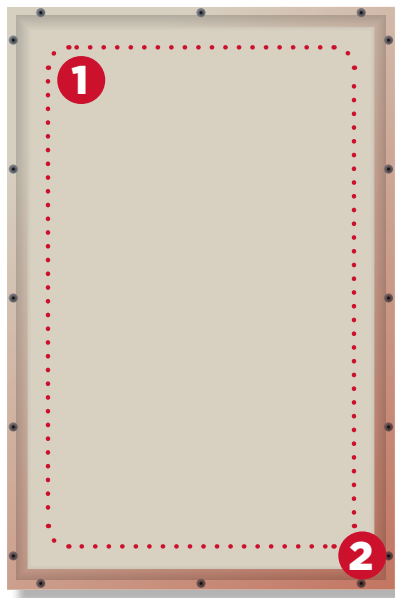
INVISIBLE SPEAKERS | SUBWOOFERS

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LineaRadiance speakers are the next generation of Stealth's critically acclaimed *LineaResponse* invisible speakers (first released in 2003). The new LineaRadiance invisible speakers are a completely redesigned, 8th-generation product produced in their Washington State facility.

Features in the 8th-generation speakers include:

- 1 New FidelityGlass™ Radiating Diaphragm with paper-finish for better material adhesion
- 2 Easy-Tape™ tapered frame/diaphragm/screw flange for improved finishing
- 3 New transducer/exciter driver designs
- 4 Re-voiced crossover networks, and improved poly-switches
- 5 New woofer mount style increases internal air volumes
- 6 Integrated and acoustically tuned back box





Invisible Speaker Project by Smart Space Solutions

LINEARADIANCE

INVISIBLE SPEAKERS | SUBWOOFERS



LUXURY PERFORMANCE

LR430



DUAL 8" 3-WAY

The LR430 is an incredible LCR or Cinema Surround system speaker. Featuring 3-way clarity and dual 8" woofers with independent high- and mid-frequency exciters, these speakers make a true performance statement.

Recommended Applications:

Premium Distributed Audio and Sound Reinforcement, Cinema Front Soundstage (LCR), Cinema Surround

MADE IN THE USA

All Stealth Acoustics speakers are handmade in the USA. They feature an innovative design, quality hardware and materials, and Stealth's patented FidelityGlass™ face panel material to achieve industry-leading performance metrics and a 170-degree sound dispersion pattern that makes them the benchmark for all invisible speakers.

With proper installation and care, Stealth invisible speakers will last a lifetime.

LR324



LR224



CELEBRATE
GEN 8

3-WAY HIGH PERFORMANCE

The LR324 the ultimate invisible whole-house audio speaker. When used as an LCR or Cinema Surround system, the LR324 will put you right in the middle of the action. Used as a premium distributed audio solution, the LR324 will fill an entire home with studio-quality sound without a single visible speaker grill.

Recommended Applications:

Premium Distributed Audio and Sound Reinforcement,
Cinema Front Soundstage (LCR), Cinema Surround

2-WAY FULL RANGE

The LR224 is the perfect invisible distributed audio speaker. It features robust bass output and performs well at any volume level. The LR224 incorporates a high-power, 8" cone woofer with one high frequency driver.

Recommended Applications:

Distributed Audio , Cinema Surround, Sound Masking
Best for in-wall or in-ceiling installations.

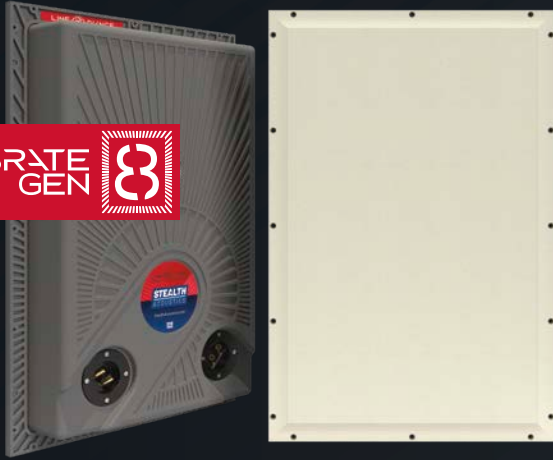
WORRY FREE OPERATION

All Stealth Acoustics invisible speakers utilize independent, self-resetting protection circuits. In case of excessive amplifier output, the protection circuits interrupt the signal preventing damage to the speaker. Once the amplifier output has been reduced, the protection circuits self-reset to allow the speakers to function normally.

LR224S

LR116

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GEN 8



2-WAY STEREO FULL RANGE

The LR224S is a fantastic choice for installations where space is at a premium. The LR224S utilizes a dual voice coil design offering stereo performance from a single speaker location.

Recommended Applications:

Distributed Audio, Sound Masking
Best for in-wall or in-ceiling installations.

2-WAY FULL RANGE

The LR116 is a compact, background music application invisible speaker. Its small footprint makes for easy installation into almost any location. It features a high-power, 6.5" cone woofer with one directly-coupled high-frequency driver.

Recommended Applications:

Background Distributed Audio
Best for in-wall or in-ceiling installations.



2-CHANNEL AMPLIFIER

The SA2400MKII is a 2-channel, high-current amplifier. DSP settings for all Stealth speakers are pre-programmed for easy deployment.

Power Output (per channel – both channels driven):

310 watts @ 8Ω < 0.05 THD
450 watts @ 4Ω < 0.05 THD



MONAURAL AMPLIFIER

The SA250MKII is a monaural amplifier with a low pass filter designed specifically to power Stealth's invisible and outdoor subwoofers.

Mono Power Output:

250 watts @ 8Ω < 0.05 THD
350 watts @ 4Ω < 0.05 THD

LR30W



LR24W



QUAD 8" SUBWOOFER SYSTEM

The LR30W is a two-panel monaural subwoofer system ideal for theater/cinema applications or whole-house audio systems that require extra bass output. It features four acoustically coupled, high-power, 8" cone woofers per system.

Recommended Applications:

Premium Distributed Audio, Distributed Audio, High Performance & Cinema
Best for in-wall installations.

COMPACT SUBWOOFER SYSTEM

The LR24W is a two-panel monaural subwoofer system perfect for pairing with the model LR116 to supplement low-frequency output in distributed audio applications. It features two high-power, 8" cone woofers per system.

Recommended Applications:

Background Distributed Audio, designed for use with the LR116 for extra impact in critical listening zones.
Best for in-wall or in-ceiling installations.

100% QUALITY CONTROL

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

Additionally, every invisible speaker is individually tested -twice- before shipment. Every speaker is first analyzed electronically and then by a human ear to ensure top-quality sound.



Veneer



Plaster

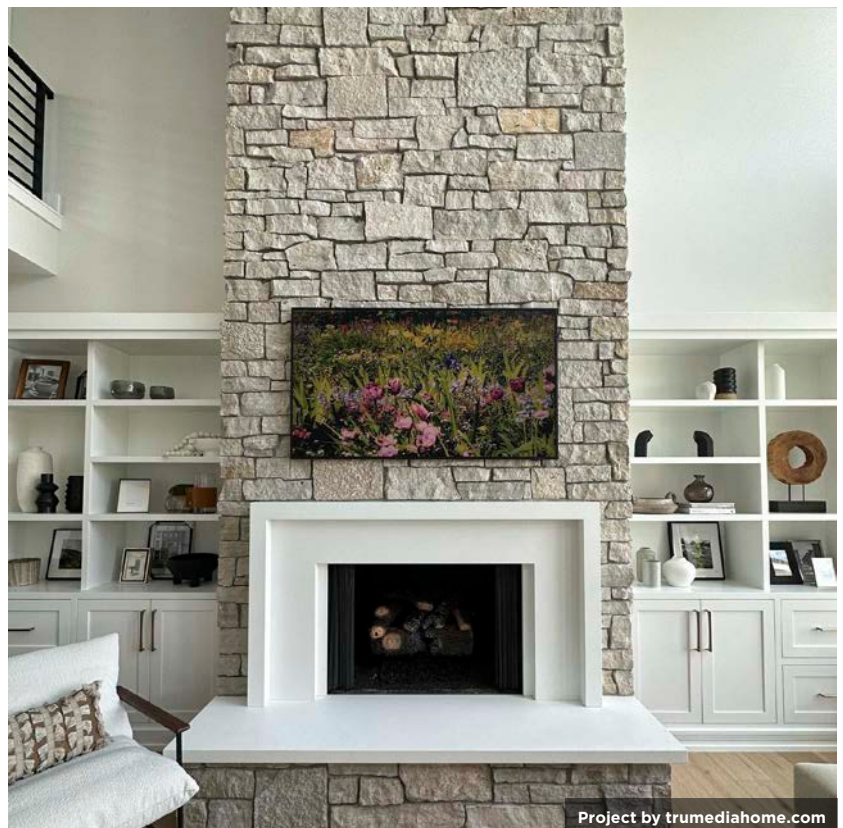


Wallpaper

FINISHING OPTIONS

Stealth's Invisible Speakers are compatible with many wall-finishing methods. A flat finish or orange peel texture with latex paint is the most common, but other finish options may include lightweight plaster, wallpaper, veneer, or fabric.

(See installation instructions for more details.)



Project by trumediahome.com

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WHOLE HOME HI-FI

	LR324 3-way Full Range	LR224 2-way Full Range	LR224S Stereo Speaker	LR116 6.5" 2-way Full Range
Power Capacity	160 watts RMS	120 watts RMS	120 watts RMS per channel	100 watts RMS
Min. Recommended Power	80 watts	60 watts	60 watts per channel	50 watts
Frequency Response	40Hz to 20kHz	45Hz to 20kHz	45Hz to 20kHz	45Hz to 20kHz
Crossover	Passive 3-way	Passive 2-way	Passive 2-way	Passive 2-way
System Impedance	8Ω nominal	8Ω nominal	8Ω nominal	8Ω nominal
Sensitivity (1 meter @ 1 watt)	82 dB	83 dB	83 dB	83 dB
Polar Dispersion	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical
Protection	(3) independent self-resetting devices (low, midrange and high frequency)	(2) independent self-resetting devices (low and high frequency)	(4) independent self-resetting devices (low and high frequency each channel)	(2) independent self-resetting devices (low and high/mid frequency)
High Frequency Driver	(1) 1" (25mm) neodymium driver	(1) 1½" (30mm) neodymium driver	(2) 1½" (30mm) neodymium drivers	(1) 1½" (30mm) neodymium driver
Midrange Frequency Driver	(1) 1½" (30mm) neodymium driver	-	-	-
Low Frequency Driver	(1) 1½" (38mm) voice coil 8" (203mm) woofer	(1) 1½" (38mm) voice coil 8" (203mm) woofer	(1) 1½" (38mm) voice coil 8" (203mm) woofer	(1) 1" (25mm) voice coil, 6.5" (165mm) woofer
Magnet	(1) ceramic 20 oz.	(1) ceramic 20 oz.	(1) ceramic 20 oz.	(1) ceramic 15 oz.
Width	15¾" (403 mm)	15¾" (403 mm)	15¾" (403 mm)	15¾" (403 mm)
Height	23¾" (606 mm)	23¾" (606 mm)	23¾" (606 mm)	15¾" (403 mm)
Depth	3¼" (83 mm) 2½" (72 mm) no back box	3¼" (83 mm) 2½" (72 mm) no back box	3¼" (83 mm) 2½" (72 mm) no back box	3¼" (83 mm) 2½" (65 mm) no back box
Weight	20 lbs. (9.1 kg) each	14 lbs. (6.3 kg) each	14.5 lbs. (6.6 kg) each	13 lbs. (5.9 kg) each

LUXURY PERFORMANCE

SUBWOOFERS

	LR430 Dual 8" 3-way Full Range	LR30W Quad 8" Sub System	LR24W Compact Sub System
Power Capacity	200 watts RMS	200 watts RMS (per pair)	160 watts RMS (per pair)
Min. Recommended Power	100 watts	120 watts (per pair)	100 watts (per pair)
Frequency Response	35Hz to 20kHz	20Hz to 160Hz	30Hz to 150Hz
Crossover	Passive 3-Way	Requires amplifier with low pass filter 50Hz with 18 dB slope recommended	Requires amplifier with low pass filter 80Hz with 18 dB slope recommended
System Impedance	8Ω nominal	16Ω or 4Ω (selectable)	8Ω nominal
Sensitivity (1 meter @ 1 watt)	83 dB	86 dB	86 dB
Polar Dispersion	170 degrees horizontal & vertical	170 degrees horizontal & vertical	170 degrees horizontal & vertical
Protection	(3) independent self-resetting devices (low, midrange and high frequency)	-	-
High Frequency Driver	(1) 1" (25mm) neodymium driver	-	-
Midrange Frequency Driver	(1) 1½" (30mm) neodymium driver	-	-
Low Frequency Driver	(2) 1½" (38mm) voice coil 8" (203mm) woofer	(4) 1½" (38mm) voice coil 8" (203mm) woofers	(2) 1½" (38mm) voice coil 8" (203mm) woofer
Magnet	(2) ceramic 20 oz. (622 gr)	(4) ceramic 20 oz.	(2) ceramic 20 oz.
Width	15¾" (403 mm)	15¾" (403 mm)	15¾" (403 mm)
Height	29¾" (759 mm)	29¾" (759 mm)	23¾" (606 mm)
Depth	3¼" (83 mm) 2½" (72 mm) back box removed	3¼" (83 mm) 2½" (72 mm) no back box	3¼" (83 mm) 2½" (72 mm) no back box
Weight	26 lbs. (11.8 kg)	52 lbs. (23.6 kg)	28 lbs. (12.7 kg) each pair (two panels)

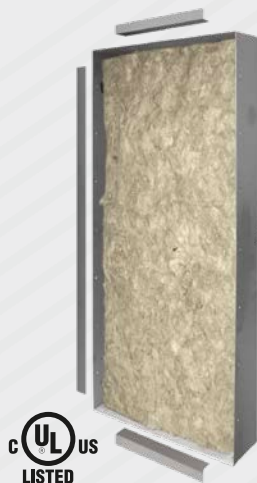
WARRANTY

All Stealth Acoustics invisible speakers are expertly designed, hand assembled, and individually tested, to offer a lifetime of worry-free performance. However, should a problem arise, Stealth stands behind each speaker it builds with comprehensive, industry-leading warranty protection for a swift resolution. Contact Stealth Acoustics for complete warranty details.

PLACESAVER™



MBX



MBA



MBC



ACCESSORIES

Stealth manufactures multiple styles of speaker back boxes designed to suit any construction type. Back boxes help the speakers achieve optimum performance and may also be required to meet construction codes.

MBX Metal Back Box - Fixed Width

MBX insulated back boxes are UL Listed, plenum rated, and designed to fit snugly between 16" (406 mm) on-center framing and may be installed during the pre-wire phase or as a retrofit. MBX back boxes include mounting hardware for hat channel-type suspended ceiling applications and metal stud framing.

MBA Metal Back Box - Adjustable Width

MBA insulated back boxes are UL Listed, plenum rated, and adjustable width to fit between irregular framing and may be installed during the pre-wire phase or as a retrofit. MBA back boxes include mounting hardware for hat channel-type suspended ceiling applications and metal stud framing.

MBC Metal Back Box - Solid Wall Type

MBC back boxes create a solid mounting surface for invisible speakers where there may not otherwise be support. MBC back boxes are ideal for installation locations such as masonry and hat-channel-type suspended ceilings. Additionally, use an MBC back box where there is open space behind a speaker or where a metal enclosure behind the speaker is required.

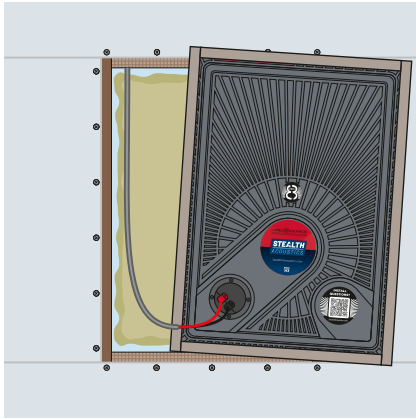
PLACESAVER™

Install PlaceSavers™ in new construction when the job is pre-wired. PlaceSavers™ reserve space for the speaker during wallboard installation and prevents the speaker panel itself from exposure to a harsh construction environment.



FB-1 Floating Bracket

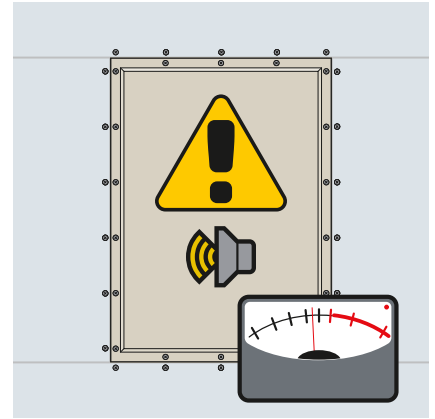
The Floating Brackets create a solid mounting surface for 12" size invisible speakers with framing greater than 16" (406 mm) on-center. Floating Brackets should be installed before wall finishing. Each kit contains the bracket, mounting hardware, and a PlaceSaver™ PS-12.



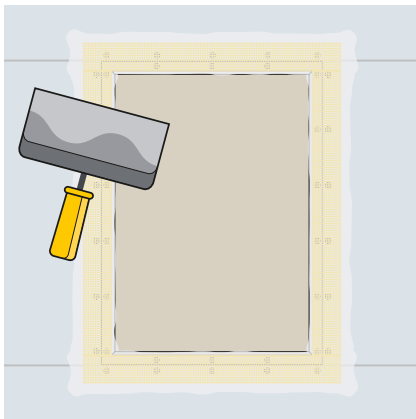
Prep & Wire



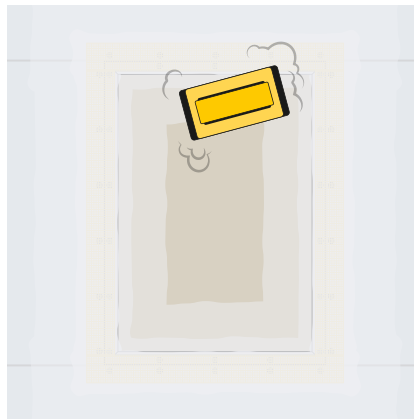
Attach & Adjust



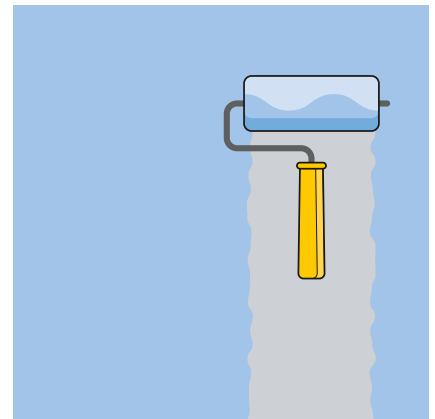
Test with Music!



Tape & Mud



Sand & Inspect

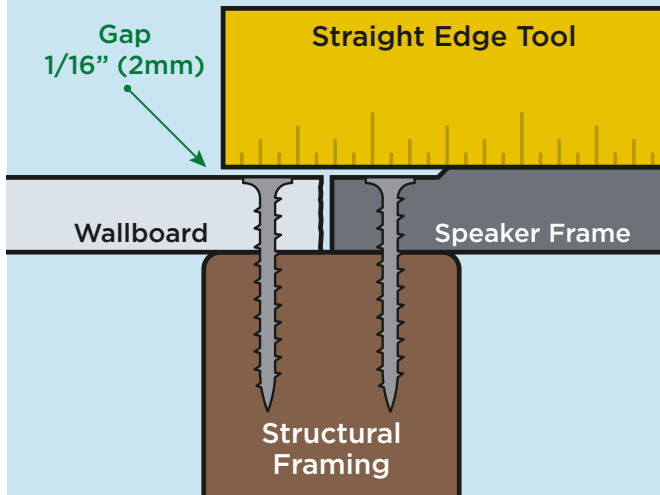


Prime & Paint

CORRECT REGISTRATION

Verify proper installation before wall finishing.

Hold a straight edge across the speaker face to verify 1/16" (2mm) gap on all sides.



INSTALLATION OVERVIEW

The FidelityGlass™ face of an Invisible Speaker is smooth and durable, designed to finish seamlessly with the surrounding wallboard.

The installation process is as simple as fitting a drywall patch. The speaker attaches directly to the structural framing in a wall or ceiling before tape and mud are applied. **Once the seams are sanded and painted the speaker becomes completely invisible!** (See installation instructions for more details.)

INSTALL QUESTIONS?

SCAN FOR VIDEO



[StealthAcoustics.com](https://www.stealthacoustics.com)

Toll Free: 888.865.6800



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