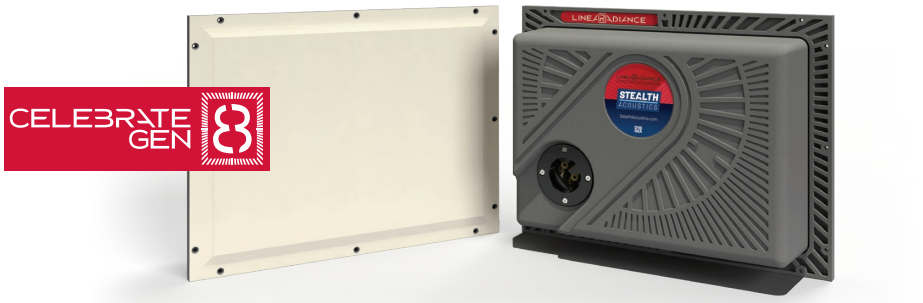
STEALTH

LR112

INVISIBLE SPEAKER

6.5″ 2-WAY INVISIBLE LOUDSPEAKER IN-WALL OR IN-CEILING



LINEARADIANCE

INVISIBLE SPEAKERS | SUBWOOFERS

Recommended Applications:

Multi-Room Audio Systems
Background Music
Foreground Music
Voice Paging
Sound Masking Systems
Home Theater / Surround Sound

Recommended Installations:

Flush mounted in walls or ceilings constructed of wood or steel framing with ½" (13 mm) or thicker gypsum wallboard.

Min. Cavity Depth Required:

3¼" (83 mm) or 2⁹⁄₁₆" (65 mm) with back box removed.

Performance:

100W RMS
50W min. recommended power
45Hz to 20kHz (see Figure 1)

Protection:

Two independent self-resetting circuits (low- and high-frequency).

On-Site Finish Options:

Finish options include latex paint, flat finish, orange peel texture, light plaster, light wallpaper, light fabric, wood veneer, and other selected approved finishes.

The Stealth Acoustics Model LR112 is a two-way, full-range loudspeaker system that becomes completely invisible after installation. The loudspeaker has a rigid frame that attaches directly to standard structural framing. The paintable active diaphragm face is bonded to the frame of the speaker panel, creating an active area surrounded by a stable mounting area. Installation instructions are shown on a paper overlay that is to be removed before installation. The overlay can also be used as a cutting template for retrofitting the speakers into existing wallboard.

The LR112 may be installed in either the wall or ceiling and on-site finishing options include latex paint, light wallpaper, fabrics and selected texture coats. There is no need for special vellums or other nonstandard wallboard finishing materials. Advanced finishing methods may be supported using special techniques.

The Stealth Acoustics LR112 incorporates an acoustically coupled high quality, high-power 6.5" cone woofer and a direct coupled 30 mm neo-magnet high-frequency driver. Advanced internal materials allow for smooth frequency extension to 20kHz. When the LR112 is installed in standard insulated 2" × 4" framing and allowed to function in a full 8 foot stud bay, frequency response below 45Hz can be achieved. The LR112 contains two independent protection circuits (high-frequency and low-frequency sections) that automatically reset upon reduction of excessive amplifier power.

For proper registration, each speaker must be installed so that the surface of the **perimeter edge is flush** with the adjoining wallboard. When correctly in place, the surface of the speaker **face panel extends above** the height of the wallboard by ⁄₁₆" (1.6 mm). This is done to allow space for the tape and joint compound needed to blend the panel into the wall. Shims are included to allow for mounting in wallboard thicker than ½" (13 mm).

Stealth Acoustics' invisibility offers a powerful advantage over traditional loudspeakers because they can be placed wherever they sound best, free of visual concerns that may conflict with architectural features. Accompanying the full range panels, Stealth Acoustics offers the LR24W and LR30W – completely invisible companion subwoofers for extended low frequency response.

The LR112 also has a 70-100 volt constant voltage transformer available as a factory installed option.

All Stealth Acoustics speakers are covered by a 20-year manufacturer's warranty.

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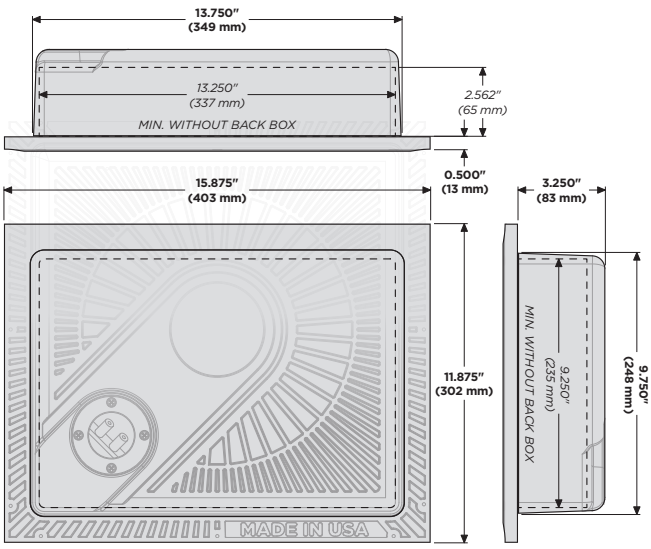
6.5″ 2-WAY INVISIBLE LOUDSPEAKER
IN-WALL OR IN-CEILING

Architectural & Engineering Specifications

The loudspeaker shall be a two-way, full-range device, producing frequencies from 45Hz to 20kHz. The total radiating surface shall be 114 sq. in (735 sq. cm) and high frequency dispersion shall be a nominal 170 degrees in both horizontal and vertical planes. The loudspeaker system shall have a sensitivity of 83 dB, 1 watt / 1 meter, with a capacity of 100 watts RMS according to EIA standard RS-426-A. The loudspeaker shall have two independent self-resetting protection devices, one each for the high-frequency driver and the low-frequency driver.

The loudspeaker shall fit into walls or ceilings with standard wood or steel stud construction and a minimum cavity depth of 3¼" (83 mm) or 2⁹⁄₁₆" (65 mm) with back box removed. The loudspeaker shall mount directly to the structural framing and have the capability of seamlessly adjoining ½" (13 mm) or thicker gypsum wallboard. The minimum distance between framing members shall be 9¾" (348 mm) or 9¼" (235 mm) with back box removed.. Face panel finishing methods shall be consistent with normal gypsum wallboard finishing techniques and may include latex paint, light wallpaper, light fabric wood veneer and other selected approved finishes.

The loudspeaker shall be the Stealth Acoustics Model LR112 and shall carry a 20-year manufacturer's warranty.



Standard Installation

Product Specifications

Frequency Response:
45Hz to 20kHz (see Figure 1)

Power Capacity:
100 watts RMS
50 watts minimum recommended power

Protection:
Two independent self-resetting devices
(low- and high-frequency)

Sensitivity:
83 dB (1 watt / 1 meter)

Driver Components:
High frequency: 1⅛" (30 mm) neodymium driver
Low-frequency: 1" (25 mm) voice coil, 6.5" (165 mm) woofer, 15 oz. (425 gr) ceramic magnet

System Impedance:
8Ω nominal

Polar Dispersion:
170 degrees vertical and horizontal

Dimensions:

Width:	15⅞" (403 mm)
Height:	11⅞" (302 mm)
Mounting Depth:	3¼" (83 mm)
	2⁹⁄₁₆" (65 mm) with back box removed

Product Weight:
10 lbs. (4.5 kg)

Shipping Weight:
23 lbs. (10.4 kg) per pair
13 lbs. (5.9 kg) per single

Included Accessories:
Mounting shims
Mounting screws

Optional Accessories:

PS-12	PlaceSaver™
FB-12	Floating Pre-Install Bracket
MBX-12	UL Listed Metal Back Box
MBA-16	UL Listed Metal Back Box - Adjustable
MBC-12	Concrete Back Box
SK-1	Shim Kit
CVXMR	70-100 Volt Constant Voltage Xfmr

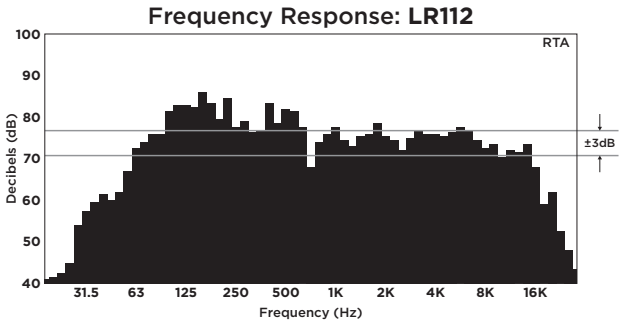


Figure 1: On-axis frequency response in standard stud wall with four coats of latex paint applied to the speaker face panel.

STEALTH ACOUSTICS

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