JBL SYNTHESIS

SCL-7XL

SPECIFICATION SHEET



2-way Dual 6½-inch (165mm) In-Wall Loudspeaker

The SCL-7XL is a custom in-wall loudspeaker featuring an offset HDI waveguide allowing the speaker to be "aimed," focusing its output toward a specific listening area while still being a flush mount speaker. In addition to being a high-power solution for surround speaker applications, the SCL-7XL can be used as a center channel above or below a display to aim sound toward the listening area.

It features JBL's patented 2409H 1-inch (25mm) compression driver mated to a Defined Directivity High-Definition Imaging (HDI™) horn. Dual 6½-inch (165mm) Advanced Aluminum Matrix cone cast-frame woofers operate in a 2 -way network configuration allowing for installation vertically or horizontally without lobing or other acoustic issues found in traditional designs.

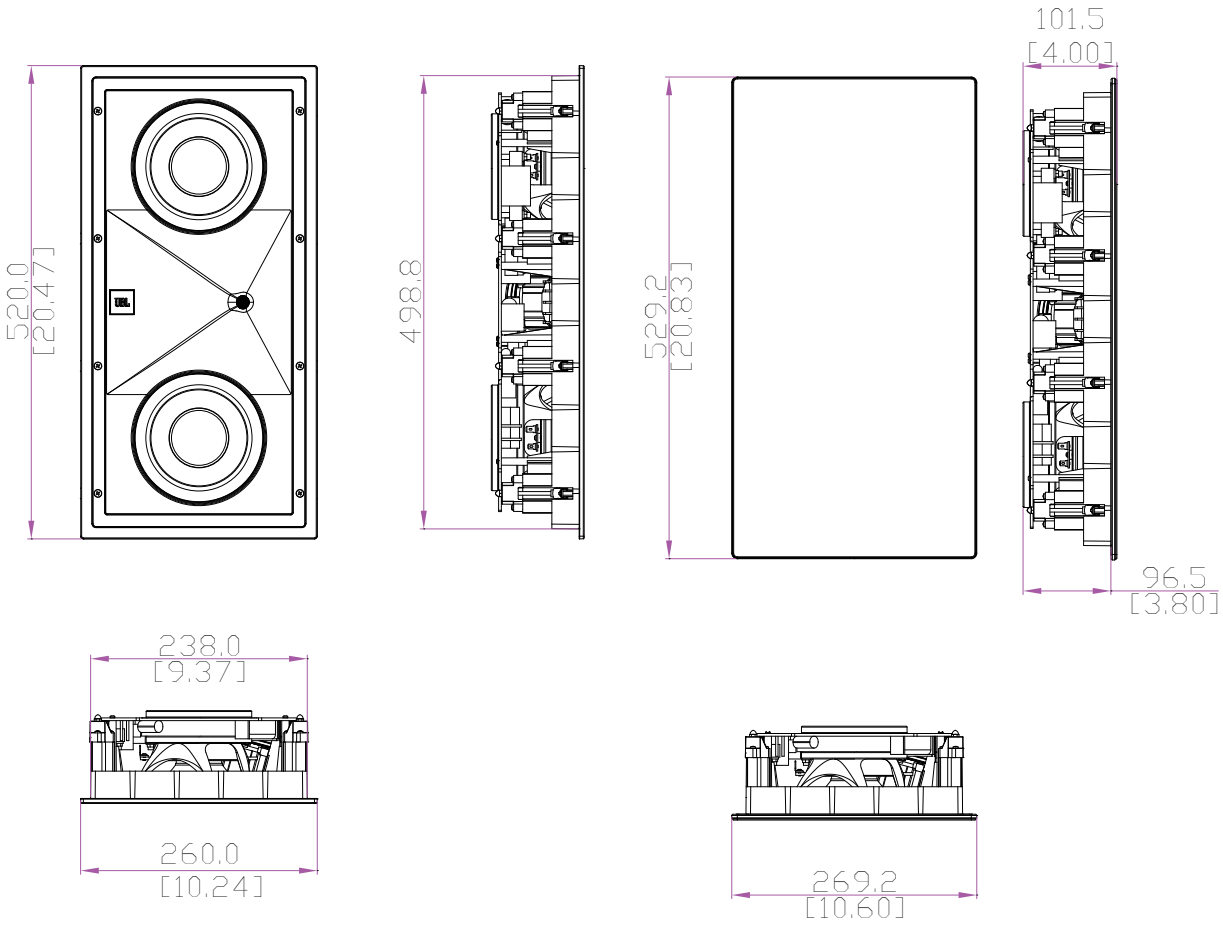
It is designed for installation in standard 2x4-inch wood frame construction, and internal connections allow for bi-wiring or bi-amplification in advanced installations.

The SCL-7XL delivers extraordinary performance in a wide variety of applications and is ideal for use in medium and large-sized rooms.

Features

- **Patented JBL 2409H 1-inch (25mm) HF compression driver**
- **Patented High-Definition Imaging (HDI™) Defined Directivity offset geometry horn**
- **6½-inch (165mm) Advanced Aluminum Matrix cone, cast-frame woofers**
- **Advanced crossover network with bi-wire/bi-amp capability**
- **Dual set of gold-plated spring-loaded binding post input terminals**
- **Patented Cat Claw installation mechanism for quick and easy installation**
- **Zero-bezel, magnetically attached paintable grille**

General Specifications	
Type:	2-way in-wall loudspeaker
Low Frequency Driver:	Dual 6½-inch (165mm) Advanced Aluminum Matrix cone, cast-frame woofers
High Frequency Driver:	2409H, 1-inch (25mm) high frequency compression driver
Inputs:	Dual set of spring-loaded gold-plated binding posts for bi-amp/bi-wire capability (crossover not defeated)
Audio Specifications	
Power Handling:	200 Watts RMS (CEA-426B specification, at rated load impedance)*
Frequency Response:	50Hz – 20kHz (-6dB)
Coverage Angle (-6dB, averaged over 2kHz-10kHz):	110° Horizontal (centered on 15° axis), 100° Vertical
Sensitivity (2.83V@1m):	90dB
Impedance:	4Ω nominal, 3.2Ω minimum @ 620Hz
Crossover Frequencies:	1.45 kHz
Physical Specifications	
Finished Dimensions with Grille (H x W x D):	20.9” x 10.7 x 4.0” (529mm x 269mm x 101.5mm)
Cutout Dimensions (H x W):	19.8” x 9.5” (502mm x 242mm)
Mounting Depth:	3.8” (96.5mm)
Product Weight:	19.6lbs (8.9kg)
Shipping Weight:	27.5lbs (12.5kg)
Enclosure type:	Open Back
Finish:	Matte Black with white paintable grille



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