

SCL-6XL

SPECIFICATION SHEET



2 1/2-way Quadruple 6 1/2-inch (165mm) In-Wall Loudspeaker

The SCL-6XL is a custom in-wall loudspeaker perfectly suited for use as an LCR in medium sized rooms behind an acoustically transparent projection screen. Its 110° on-axis horizontal coverage makes it an ideal surround channel for larger rooms that require coverage for multiple rows of seats.

It features JBL's patented 2415-INV 1 1/2-inch (38mm) compression driver mated to a High-Definition Imaging (HDI™) horn. Quadruple 6 1/2-inch (165mm) Advanced Aluminum Matrix cone cast-frame woofers operate in a 2 1/2-way network configuration allowing for installation vertically or horizontally without lobing or other acoustic issues found in traditional designs.

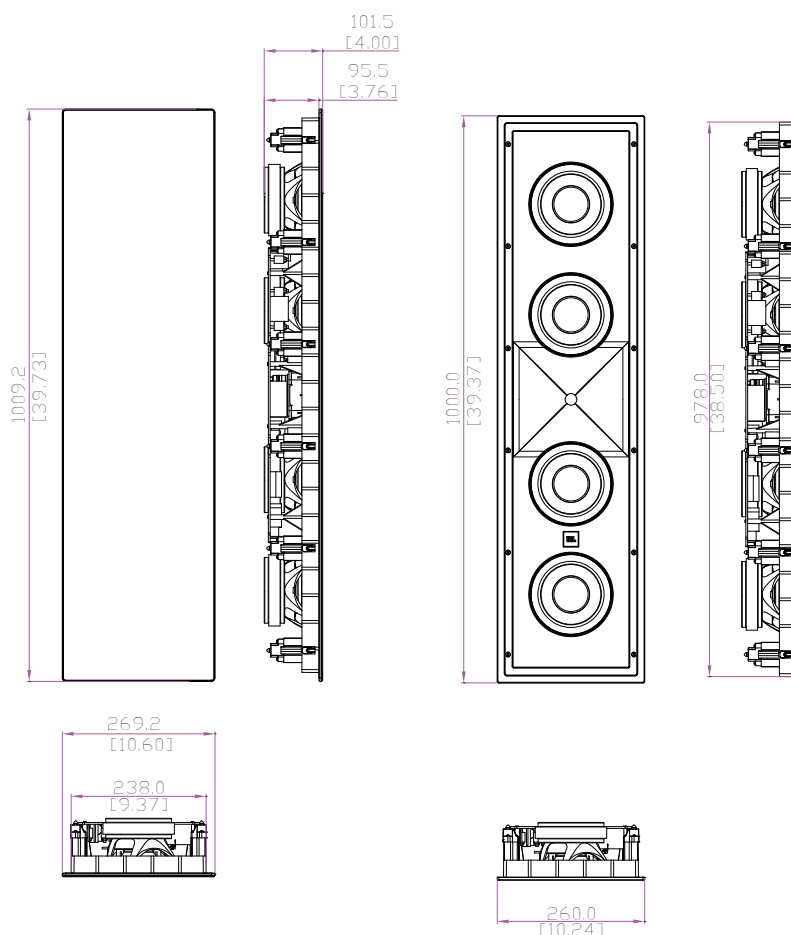
It is designed for installation in standard 2x4-inch wood frame construction, and internal connections allow for bi-wiring or bi-amplification in advanced installations.

The SCL-6XL delivers extraordinary performance in a wide variety of applications and is ideal for use in medium and large-sized rooms.

Features

- Patented JBL 2415-INV 1 1/2-inch (38mm) HF compression driver
- Patented High-Definition Imaging horn geometry
- 6 1/2-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 ½ -way in-wall loudspeaker
Low Frequency Driver:	Quadruple 6½-inch (165mm) Advanced Aluminum Matrix cone, cast-frame woofers
High Frequency Driver:	2415-INV, 1½-inch (38mm) 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)*
Sound Level Capability, Mid Term:	AES75 M-noise method, 107.5dB RMS @ 1m, 120dB peak @ 1m, 4pi anechoic, 80Hz-20kHz bandwidth limited stimulus
Frequency Response:	35Hz – 20kHz (-6dB)
Coverage Angle (-6dB):	110° Horizontal, 100° Vertical, averaged over 2kHz-10kHz
Sensitivity (2.83V@1m):	90dB
Impedance:	4Ω nominal, 3.8Ω minimum @ 650Hz
Crossover Frequencies:	105 Hz, 1.45 kHz
Physical Specifications	
Finished Dimensions with Grille (H x W x D):	39.8" x 10.6" x 4.0" (1009mm x 271mm x 102mm)
Cutout Dimensions (H x W):	38.6" x 9.5" (981mm x 242mm)
Mounting Depth:	3.76" (96mm)
Product Weight:	36.8lbs (16.7kg)
Shipping Weight:	48.7lbs (22.1kg)
Enclosure type:	Open Back
Finish:	Matte Black with white paintable grille



CTA-2034 (Spinorama) and Directivity Measurements

Measured in anechoic conditions. Measurements shown represent system performance using manufacturer-recommended anechoic equalization (AEQ). Equalization is implemented via JBL Synthesis SMA-series amplifiers as part of a complete system solution. Raw loudspeaker measurements available upon request.

