JBL SYNTHESIS

# SCL-6XL

## SPECIFICATION SHEET



## 2 ½-way Quadruple 6½-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 1½-inch (38mm) compression driver mated to a High-Definition Imaging (HDI™) horn. Quadruple 6½-inch (165mm) Advanced Aluminum Matrix cone cast-frame woofers operate in a 2 ½ -way network configuration allowing for installation vertically or horizontally without lobing or other acoustic issues found in traditional designs.

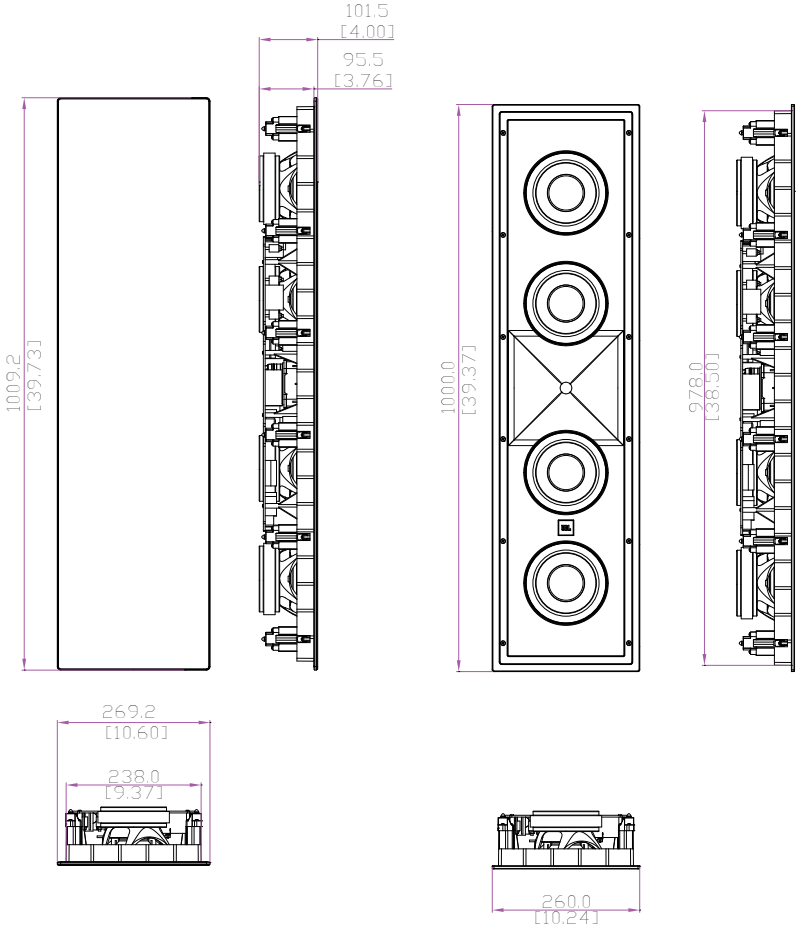
It is designed for installation in standard 2x4-inch wood frame construction, and internal connections allow for bi-wiring or bi-amplification in advanced installations.

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 1½-inch (38mm) HF compression driver**
- **Patented High-Definition Imaging horn geometry**
- **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 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)* |
| Frequency Response: | 35Hz – 20kHz (-6dB) |
| Coverage Angle (-6dB, averaged over 2kHz-10kHz): | 110° Horizontal, 100° Vertical |
| 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 |




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