JBL SYNTHESIS

SCL-2XL

SPECIFICATION SHEET



2 ½-way Quadruple 8-inch (200mm) In-Wall Loudspeaker

Designed to deliver high output, the SCL-2XL is a custom in-wall loudspeaker perfectly suited for use as an LCR behind an acoustically transparent projection screen or as surrounds in larger systems.

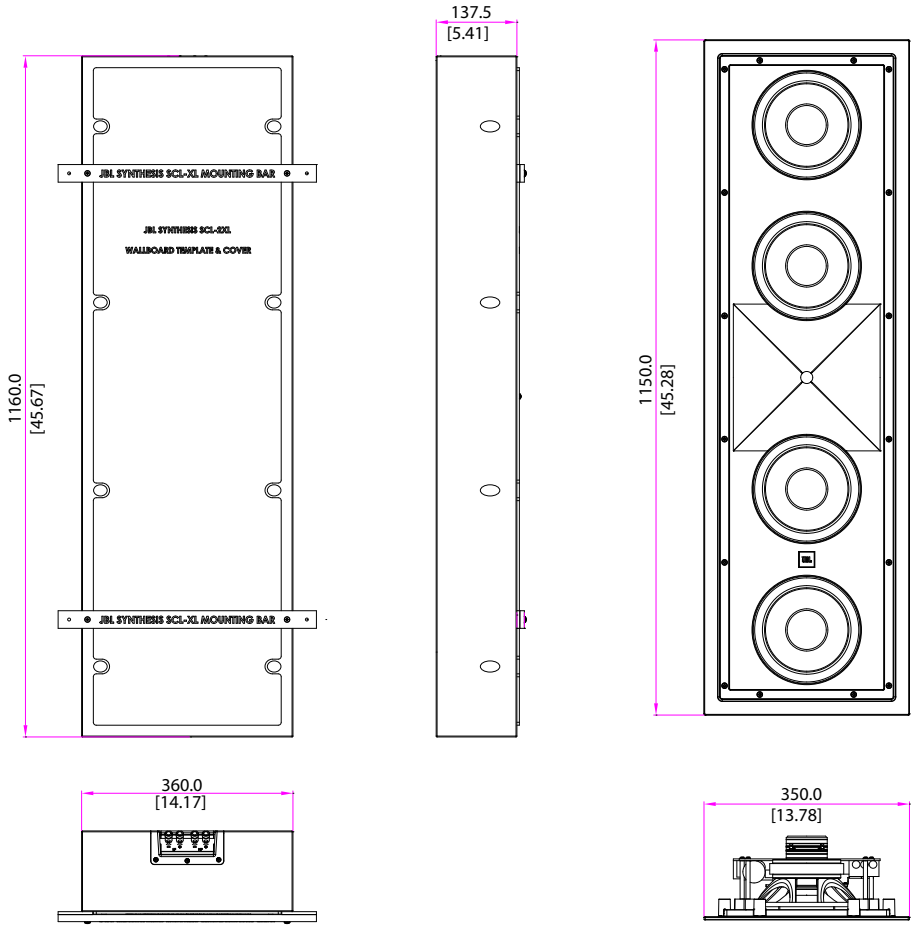
It features JBL's patented D2815 dual 1½-inch (38mm) compression driver mated to a large format High-Definition Imaging (HDI™) horn. Quadruple 8-inch (200mm) Advanced Aluminum Matrix cone cast-frame woofers operate in a 2½-way network configuration allowing for installation vertically or horizontally without lobing or other acoustic issues found in traditional designs.

The integrated MDF enclosure is designed for installation in standard 2x6 wood frame construction, and internal connections allow for bi-wiring or bi-amplification in advanced installations. The SCL-2XL delivers unparalleled performance in a wide variety of applications and is ideal for use in medium, large, and extra-large rooms.

Features

- **Patented D2815 1½-inch (38mm) dual diaphragm, dual motor compression driver**
- **Patented High-Definition Imaging horn geometry**
- **Sonoglass baffle with integrated MDF enclosure and isolation mounting system**
- **8-inch (200mm) Advanced Aluminum Matrix cone, cast-frame woofers**
- **Premium crossover network components with bi-wire/bi-amp capability**
- **Dual set of gold-plated spring-loaded binding post input terminals**
- **Zero-bezel, magnetically attached paintable grille**

General Specifications	
Type:	2½-way in-wall loudspeaker
Low Frequency Driver:	Quadruple 8-inch (200mm) cast-frame, Advanced Aluminum Matrix cone woofers
High Frequency Driver:	D2815, 1½" (38mm), dual annular ring Teonex® diaphragm compression driver mounted to Sonoglass® horn/baffle
Inputs:	Dual set of spring-loaded gold-plated binding posts for bi-amp/bi-wire capability (crossover not defeated)
Audio Specifications	
Power Handling:	500 Watts RMS (CEA-426B specification, at rated load impedance)
Frequency Response:	53Hz – 25kHz (-6dB)
Coverage Angle (-6dB, averaged over 2kHz-10kHz):	110° Horizontal, 90° Vertical
Sensitivity (2.83V@1m):	92dB
Impedance:	4Ω nominal, 3.2Ω minimum @ 800Hz
Crossover Frequencies:	450Hz, 1.1kHz
Physical Specifications	
Finished Dimensions with Grille (H x W x D):	45.7" x 14.2" x 6.2" (1160mm x 360mm x 156.8mm)
Mounting Depth with Backbox:	5.4" (136mm)
Product Weight:	77lbs (35kg)
Shipping Weight:	103lbs (47kg)
Enclosure type:	Sealed in-wall mount with included backbox
Finish:	Matte Black with white paintable grille



© 2026 HARMAN International Industries, Incorporated. All rights reserved.
JBL Synthesis is a registered trademark of HARMAN International Industries, Incorporated registered in the United States and/or other countries.
Features, specifications, and appearance are subject to change without notice.