

# JBL SCL-1

2-Way Dual 12-inch (300mm) Custom LCR Loudspeaker

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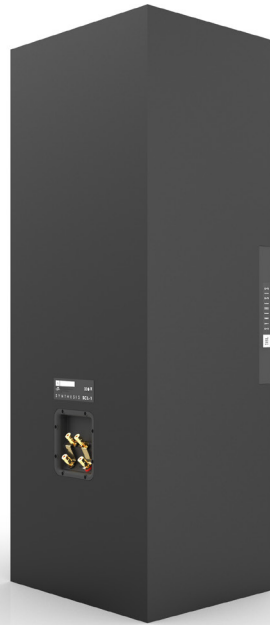
The flagship of the JBL Synthesis Custom Loudspeaker (SCL) series, the SCL-1 is designed for unparalleled performance in large theater rooms as an LCR behind projection screens and in custom cabinetry. As a large-format LCR loudspeaker, the SCL-1 is acoustically designed to complement the flagship SSW-1 dual 15" 5000 WRMS subwoofer and any of the JBL Synthesis Custom Loudspeakers (SCL series) as part of a complete JBL Synthesis solution. The SCL-1 features the patented JBL D2430K dual 3-inch (75mm) compression driver mated to a large, advanced geometry High Definition Imaging (HDI™) horn for extraordinarily detailed response and ultra-low distortion even at incredibly high listening levels. Two newly designed 12" cast-frame Carbon Cellulose Composite Cone (C4) woofers work in conjunction with a patented Complementary Bass Alignment System (CBAS™) enclosure constructed from 1-inch (25mm) MDF with extensive internal bracing. The CBAS design combines the acoustic benefits of sealed enclosures (more output below tuning frequency) and vented enclosures (more output at the tuning frequency) with less impedance swings to play louder and work more efficiently with amplifiers. These driver elements combine with an innovative installer-configurable multi-capacitor crossover network that can be driven by a single amp, dual amps, or bypassed for use with active external crossovers.

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## Highlights:

- 2-Way dual 12-inch (300mm) Flagship LCR loudspeaker delivers unparalleled performance in large theater rooms
- Optimized for custom installation behind projection screens and in custom cabinetry
- Timbre matched to all SCL loudspeakers and specially designed to be used with the SSW-1 subwoofer
- Patented D2430K 3-inch (75mm) dual Teonex® annular ring diaphragm, dual voice coil compression driver with dual neodymium motor structures mated to large coverage, High-Definition Imaging (HDI™) horn precision molded out of Sonoglass®
- Dual 12" (300mm) cast-frame Carbon Cellulose Composite Cone (C4) woofers in patented Complementary Bass Alignment System (CBAS™) enclosure design
- Bi-amplifier, bi-wire and network bypass capability with installer configurable crossover
- Heavily braced black vinyl clad cabinet built from 1-inch thick MDF with cloth-wrapped, edge to edge metal frame grille with magnetic attachment

## General Specifications:

- ▶ Type: 2-Way In-room loudspeaker
- ▶ Low Frequency Drivers: Dual 12-inch (300mm) Black Carbon Cellulose Composite Cone (C4) cast-frame woofers
- ▶ High Frequency Driver: 3" (75mm) dual annular Teonex® ring-diaphragm compression driver with dual neodymium motor structures mated to Sonoglass® HDI™ horn
- ▶ Recommended Amplifier Power (Full bandwidth): 500 WRMS, minimum
- ▶ Recommended Amplifier Power (80 Hz HPF): 500 WRMS, minimum
- ▶ Impedance: 4 Ohm
- ▶ Loudspeaker Sensitivity: 94 dB/2.83V/1m
- ▶ Frequency Response: 40 Hz – 24 kHz (-6 dB), 3rd order LF roll-off
- ▶ Crossover Frequency: 775 Hz
- ▶ Coverage area, -6 dB @ 10 kHz: Approximately 120 degrees horizontal x 100 degrees vertical
- ▶ Coverage area, -6 dB @ 20 kHz: Approximately 90 degrees horizontal x 70 degrees vertical
- ▶ Enclosure Type: Complementary Bass Alignment System (CBAS™)
- ▶ HF Level Controls: 3 Position - No grille, With grille, or With screen
- ▶ Grille Dimensions: 47.98" H x 19" W x 0.787" D (1218.7mm x 482.6mm x 20mm)
- ▶ Product Dimensions: 47.98" H x 19" W x 14.49" D (1218.7mm x 482.6mm x 368.1mm)
- ▶ Input Type: Dual sets of gold-plated spring-loaded binding posts
- ▶ Product Weight: 177.5 lb. (80.5kg)
- ▶ Shipping Weight: 306.5 lb. (139kg)
- ▶ Shipping Units of Measure: Each
- ▶ Warranty: 5 Years