



Vanishes.



FATHOM[®] ICS IN-CEILING SUBWOOFER SYSTEMS

Created from the same innovative technologies used to develop our free-standing powered subwoofers, the Fathom[®] ICS in-ceiling subwoofer systems are engineered to deliver outstanding bass performance, with nearly unlimited placement freedom.

Purpose-built to disappear into the ceilings of most home audio/theater environments, the 8-inch Fathom[®] ICS systems are designed to fit a wide range of joist width openings, while operating through very small grilles. The grille's clever design accommodates all common drywall thicknesses and can be easily painted to match a room's decor.

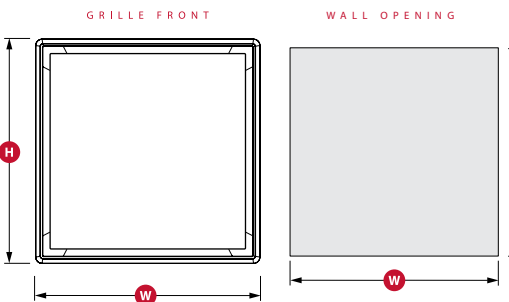
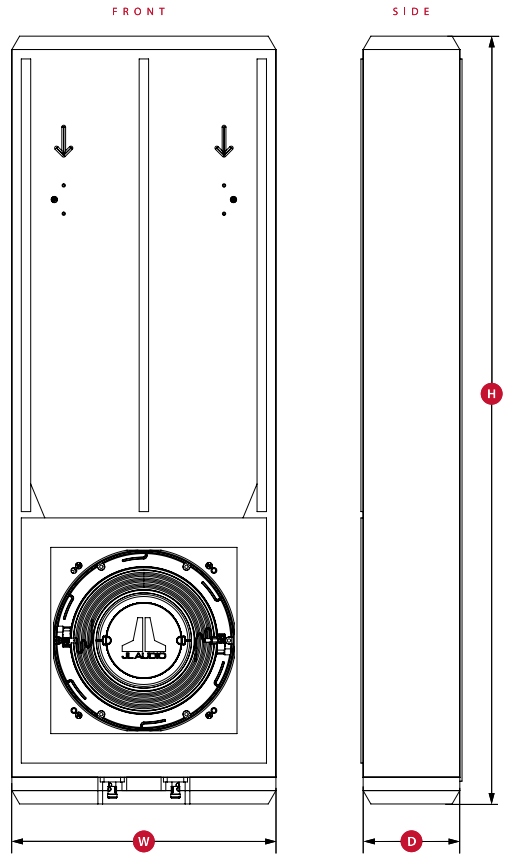
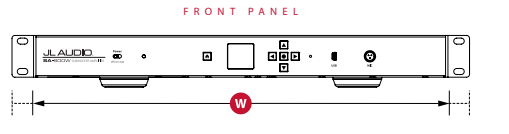
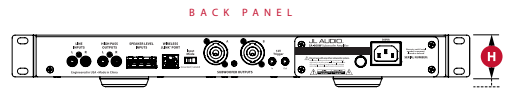
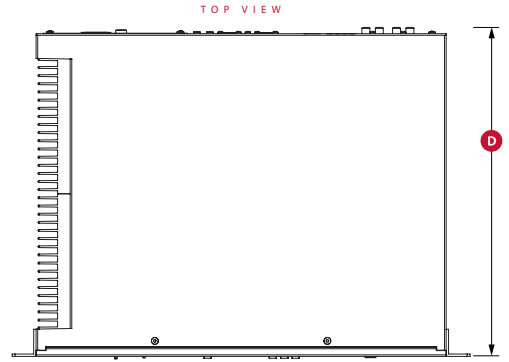
The subwoofer enclosures utilize extensive architectural features aimed at improving rigidity while keeping a very low profile and minimal wall thickness.

A unique port design vents through a slot located at the perimeter of the driver mount to enhance efficiency and low-bass output. Inside the enclosure is a long-excursion, 8-inch thin-line woofer, built to exacting standards by JL Audio for the Fathom[®] ICS products.

Each 8-inch Fathom[®] ICS system is driven by a rack-mountable amplifier with up to 600 watts of clean power, programmed specifically for each system. A complete set of Fathom[®] signal processing features is also onboard, including our powerful, 18-band Digital Automatic Room Optimization (D.A.R.O.) system, and high-pass crossover outputs, all accessible via an easy-to-use, menu-driven interface and LCD display.

8-inch Fathom® ICS Specifications:

	Fathom® ICS-SYS-108	Fathom® ICS-SYS-208
Enclosure Type:	Single Ported Enclosure	Two Ported Enclosures
Driver(s):	8-inch (nominal diameter)	8-inch (nominal diameter) in each of two enclosures
Frequency Response (anechoic):	24.9 Hz - 109 Hz (+/- 1.5 dB) -3dB at 24.6 Hz / 111 Hz -10dB at 23.4 Hz / 118 Hz	
Effective Piston Area:	31.62 sq. in. 0.0204 sq. m.	63.24 sq. in. 0.0408 sq. m.
Effective Displacement:	47.5 cu. in. (0.78 liters)	95.0 cu. in. (1.56 liters)
2 x 6 Enclosure Dimensions: (H) Height x (W) Width x (D) Depth Measurements do not include padding material.	40.71 in. x 14 in. x 5.13 in. 1,034 mm x 355 mm x 130 mm	
Ceiling Joist Width Fitment:	16 inches to 25.50 inches on center	
Enclosure Finish:	Black Texture-Coated	
Amplifier Power:	300 watts RMS short-term	600 watts RMS short-term
Table-Top/Rack-Mount Amplifier Dimensions: (H) Height x (W) Width x (D) Depth Height Dimensions DO NOT include feet.	1.75 in. x 16.84 in. x 5.13 in. 44 mm x 428 mm x 130 mm Single Rack Unit	
Amplifier Net Weight:	13.5 lbs. (6.12 kg)	
Grille Dimensions: (H) Height x (W) Width	10.50 inches x 10.50 inches 267 mm x 267 mm	
Grille Opening Dimensions: (H) Height x (W) Width	9.75 inches x 9.75 inches 248 mm x 248 mm	
Grille Finish:	White (paintable)	



8-inch Fathom® ICS-SYS Features:

Unbalanced Inputs: Stereo or Mono (two RCA jacks)	Delay: Variable from 0 – 25 ms (0.1 ms increments, Sub and HP outputs)
Speaker/High-Level Inputs: Stereo or Mono (removable plug)	E.L.F. Trim: Variable from -12 dB to +3 dB at 25 Hz (0.5 dB increments)
Line Outputs: Stereo or Mono (two RCA jacks - Pass-Through or High-Pass)	Equalizer / Frequency Range: 3 bands / 20 Hz to 160 Hz (1 Hz increments)
Speaker Outputs: Neutrik speak-On® 2-Pole Connectors (uses Neutrik part: NL2FX, included)	Equalizer Gain Range: -12 dB to +12 dB (0.2 dB increments)
Input Grounding: Isolated or Grounded	Equalizer Q Range: 0.7 to 5.0 (0.1 increments)
Level Modes: Reference (fixed gain) or Variable from -50 dB to +15 dB over reference gain (0.5 dB increments)	Controls: D-Pad navigation buttons with LCD display
Power Modes: Off, On, Automatic (Signal-Sensing or 12V Trigger)	Digital Automatic Room Optimization (D.A.R.O.): Optional, 18-Band equalizer, requires laboratory-grade calibration microphone (sold separately)
Filter Modes: Off, 12 dB per octave or 24 dB per octave (Low-Pass, with tracking High-Pass Outputs)	12V Trigger Output Capacity: 150 mA (1/8-inch/3.5mm mini jack)
Filter Cutoff Frequency: Variable from 30 Hz – 130.1 Hz	Wireless Connectivity: Optional, JLINK™ TRX System (sold separately)
Polarity: 0 or 180 degrees	Built in USA, with global components: Subwoofer Enclosure and Subwoofer Driver (Amplifier is manufactured in China)



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