



Vanishes.



## FATHOM<sup>®</sup> ICS IN-CEILING SUBWOOFER SYSTEMS

Created from the same innovative technologies used to develop our free-standing powered subwoofers, the Fathom<sup>®</sup> 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<sup>®</sup> 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.

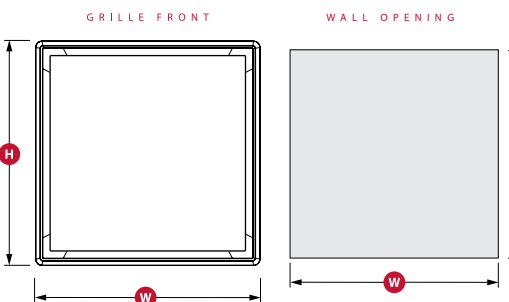
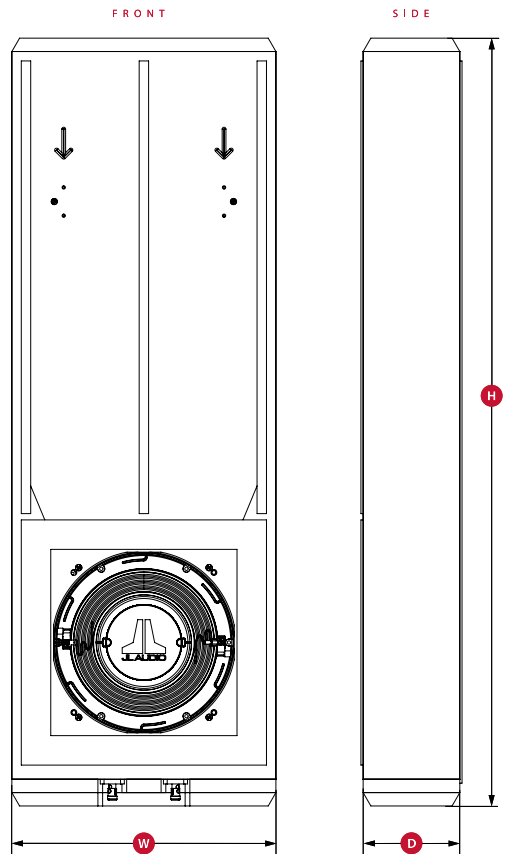
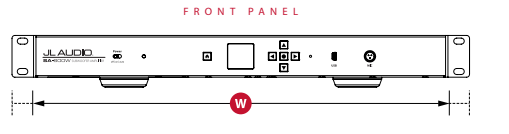
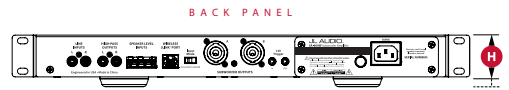
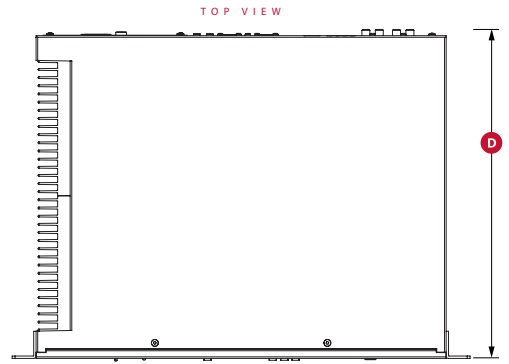
The subwoofer enclosures utilize extensive architectural features aimed at improving rigidity while keeping a very low profile and minimal wall thickness.

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<sup>®</sup> ICS products.

Each 8-inch Fathom<sup>®</sup> 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<sup>®</sup> 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
<b>Enclosure Type:</b>	Single Ported Enclosure	Two Ported Enclosures
<b>Driver(s):</b>	8-inch (nominal diameter)	8-inch (nominal diameter) in each of two enclosures
<b>Frequency Response (anechoic):</b>	24.9 Hz - 109 Hz (+/- 1.5 dB) -3dB at 24.6 Hz / 111 Hz -10dB at 23.4 Hz / 118 Hz	
<b>Effective Piston Area:</b>	31.62 sq. in. 0.0204 sq. m.	63.24 sq. in. 0.0408 sq. m.
<b>Effective Displacement:</b>	47.5 cu. in. (0.78 liters)	95.0 cu. in. (1.56 liters)
<b>2 x 6 Enclosure Dimensions:</b> (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	
<b>Ceiling Joist Width Fitment:</b>	16 inches to 25.50 inches on center	
<b>Enclosure Finish:</b>	Black Texture-Coated	
<b>Amplifier Power:</b>	300 watts RMS short-term	600 watts RMS short-term
<b>Table-Top/Rack-Mount Amplifier Dimensions:</b> (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	
<b>Amplifier Net Weight:</b>	13.5 lbs. (6.12 kg)	
<b>Grille Dimensions:</b> (H) Height x (W) Width	10.50 inches x 10.50 inches 267 mm x 267 mm	
<b>Grille Opening Dimensions:</b> (H) Height x (W) Width	9.75 inches x 9.75 inches 248 mm x 248 mm	
<b>Grille Finish:</b>	White (paintable)	



# 8-inch Fathom® ICS-SYS Features:

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



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