



Unseen.



FATHOM® IWS
IN - WALL SUBWOOFER SYSTEMS



AVAILABLE AT
DIGITAL CINEMA

Born from the same groundbreaking technologies used to develop our free-standing powered subwoofers, the Fathom® IWS in-wall subwoofer systems deliver remarkable bass performance, while remaining largely concealed within most home audio/theater environments.

The 8-inch Fathom® IWS systems are smaller and easier to integrate than our larger in-wall Fathoms, fitting in all standard, 16-inch, on-center stud openings, and operating through very small grilles. The grille's effortless design accommodates all common drywall thicknesses, and can be easily painted to match the wall.

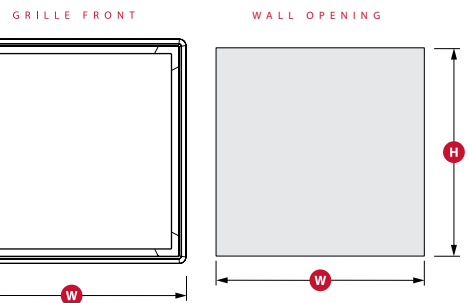
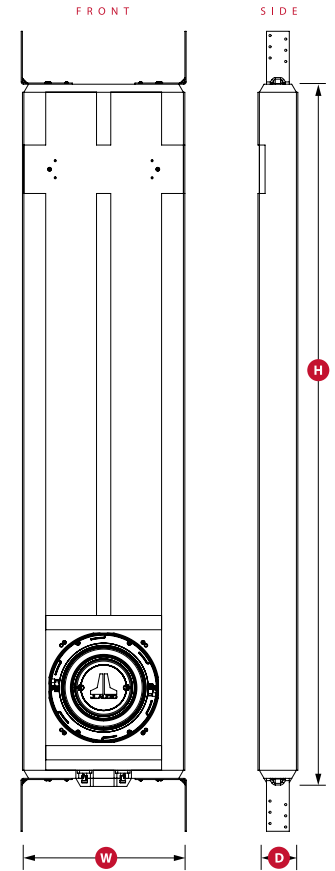
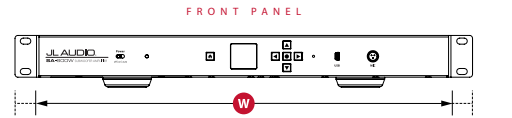
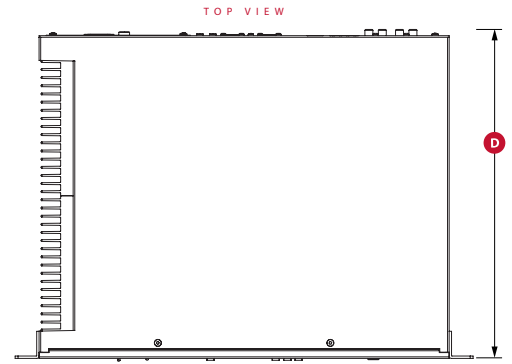
The subwoofer enclosures utilize extensive architectural features aimed at improving rigidity while keeping a very low profile and minimal wall thickness.

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® IWS products.

Each 8-inch Fathom® IWS 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® IWS Specifications:

	Fathom® IWS-SYS-108	Fathom® IWS-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)
Amplifier Power:	300 watts RMS short-term	600 watts RMS short-term
2 x 4 Enclosure Dimensions: (H) Height x (W) Width x (D) Depth Measurements do not include padding material.	61.63 in. x 14 in. x 3.25 in. 1,565 mm x 355 mm x 83 mm	
Cabinet Finish:	Black Texture-Coated	
Table-Top Amplifier Dimensions: (H) Height x (W) Width x (D) Depth Height Dimensions DO NOT include feet.	1.75 in. x 16.84 in. x 13.63 in. 44 mm x 428 mm x 346 mm	
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	
Wall 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® IWS-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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