

IWTS-8e In-Wall Subwoofer

Out of site bass performance



Great movie and music experiences are built on a foundation of powerful, accurate bass. Achieving this kind of bass performance at home typically requires large, bulky, and obtrusive enclosures.

Atlantic has changed all that—for the better. Now, with our in-wall subwoofer system, you can get powerful, accurate, and authoritative deep bass from practically invisible THX Ultra® certified subwoofers that fit in standard 2 x 4 or 2 x 6 studded walls.

Our IWTS-8e SUB features a powerful dedicated, stand-alone SA-380 amplifier that delivers a prodigious 380 watts RMS into 4 ohms. In addition, the amplifier is equalized for use specifically with our dual-woofer module, providing bass response that achieves an in-room response of -3dB at 20Hz! A special servo-feedback circuit in the SA-380 monitors the woofers' response, and instantly provides a distortion-canceling signal in the event that any non-linearities are detected. The result: the bass response remains powerful and clear at all playback levels, even at extreme volume.

The woofer wall module consists of dual ultra-heavy duty 8-inch woofers mounted in a sealed in-wall enclosure designed to fit into a standard 2 x 4" new construction stud bay. The drivers feature an extremely stiff Coated Composite Molded Graphite cone with a unique inverted stiffening dust cap. The driver's 2-inch Kapton™ voice coil rests in a massive and powerful 8-pound vented magnet assembly. Two of these proprietary drivers equals the cone area of a single 12-inch woofer, yet with a combined motor structure larger than most 15- and 18-inch drive units. Since our 8-inch drivers use very stiff, light cones with enormous motor assemblies, their input response is extremely quick and accurate. This yields very fast bass response and exceptionally natural music reproduction.



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The woofer module is shown in its dedicated in-wall enclosure. Once it's installed within the wall (new construction only) all you see is a gently curved perforated metal grille that projects into the room approximately 1½ inches. The grille and the trim ring around the woofer module are supplied in a matte white primer finish that can be used as is or painted to match the surrounding wall surface.

**Fits in standard
2 x 4 construction**

System Configurations

The SA-380 amplifier is a mono-block amplifier, which drives a single IWTS-8e SUB woofer module. Any number of amplifier/woofer modules may be used, depending on the system requirements. In small- to medium-sized rooms, it's likely that a single amp/woofer module will be all that's needed for outstanding bass. For larger spaces (or when extremely loud bass reproduction is a necessity), two or more amplifier/woofer modules can be used.

Subwoofer Features

The woofer module consists of two very powerful 8-inch drivers specially designed to deliver substantial bass energy from the in-wall enclosure. Because they're only 8 inches in diameter, their cones respond very quickly to the amplifier's signal.

In addition, the baffle is coated with a special compound called RDT™ (Resonance Dampening Treatment), designed to suppress unwanted baffle resonances and

maximize inner bass detail and articulation. The result is very "fast" bass response without boom or overhang; Music is taut and precise; special effects are powerful and room-filling.

Amplifier Features

- Balanced and Unbalanced inputs
- 12-volt trigger turn-on
- Auto-off circuitry
- 2-position phase control
- THX Reference level setting
- 3-color LED status indicator
- Servo-control distortion-elimination circuitry
- Space-saving 1U rack height

Specifications

	SA-380 Mono Subwoofer Amplifier
RMS Power (before limiting and servo)	380 W @ 4 Ohms, <0.025%THD
Signal to Noise Ratio (-90dB hum)	-97dB @ full power
Frequency Response (typical, in room)	20-150 Hz ±3 dB
Low Level Input Sensitivity	250mv @ full output, 100Hz
Low Level Input Impedance	15K Ω
Power Supply Storage	22K microfarads
Toroidal Transformer	400VA
Peak Output Stage Current	40amps rated
Dimensions (W x H x D)	17" x 1½" x 11½"
	430 x 40 x 330mm
Weight (lbs)	18lbs. (8.2kg)

	IWTS-8e SUB Woofer Module
Drivers	(2) 8" High output woofers, Coated Composite Molded Graphite cones with 8 lbs. motor assemblies
Frequency Response	20Hz - 100Hz ± 3dB (typical, in room)
Peak Output	Single 102dB, Dual 105dB (3000 cu. ft. space)
Dimensions (H x W x D)	Woofer Module: 19 9/16" x 10 3/8" x 3" IN-BOX-8 SUB Enclosure: 81" x 14½" x 3½"