## 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<sup>™</sup> 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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# Product Information Sheet

# IWTS-8e In-Wall Subwoofer

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 cently curved perforated metal grille that projects into the room approximately 1<sup>1</sup>/<sub>2</sub> 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



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#### 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<sup>™</sup> (Resonance Dampening Treatment), designed to suppress unwanted baffle resonances and

#### Specifications

RMS Power (before limiting and servo) Signal to Noise Ratio (-90dB hum) Frequency Response (typical, in room) Low Level Input Sensitivity Low Level Input Impedance **Power Supply Storage** Toroidal Transformer **Peak Output Stage Current** Dimensions (W x H x D)

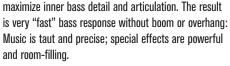
Weight (lbs)

#### 380 W @ 4 Ohms, <.025%THD -97dB @ full power 20-150 Hz ±3 dB 250mv @ full output, 100Hz 15K $\Omega$ 22K microfarads 400VA 40amps rated Drivers 17" x 1½" x 11½" 430 x 40 x 330mm 18lbs. (8.2kg)

SA-380 Mono Subwoofer Amplifier

#### IWTS-80 SIIR Woofer Module

**Frequency Response** Peak Output Dimensions (H x W x D)



#### **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



IM 12-96 200 MODIEL MODIAL
(2) 8" High output woofers,
Coated Composite Molded Graphite cones
with 8 lbs. motor assemblies
20Hz - 100Hz ± 3dB (typical, in room)
Single 102dB, Dual 105dB (3000 cu. ft. space)
Woofer Module: 19 <sup>13</sup> /16" x 10 5%" x 3"
IN-BOX-8 SUB Enclosure: 81" x 141/2" x 31/2"



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