

# IWTS-28 In-Wall Subwoofer w/SA-180 Amplifier

## Bass Performance at a New Price Point



The IWTS-28 SUB is an in-wall subwoofer that uses dual 8" woofers to deliver rich, vibrant bass to custom-installed audio systems. It is easily retro-fitted to existing construction using Atlantic's GFR-626 grille/frame assembly, the same grille frame assembly used for several other Atlantic speaker systems: the IWCB-626, the IWCB-727 THX Select 2, and the IWTS-30 LCR THX Ultra 2.

The 28 SUB has several features that maximize its flexibility:

1. The IWTS-28 SUB can be used as the speaker portion of a separately-powered LFE subwoofer in a true 5.1/7.1 system. When used this way, the convenient front-panel switches for the SUB's crossover would be set to 'off,' and the jumpers connecting the two sets of input terminals are left in place. An RCA cable goes from the receiver's Sub Out jack into a mono-block amplifier, and then from the mono-block amp into the 28 SUB. All low-pass/high-pass crossover functions are then handled by the receiver's bass management system, as when using any powered subwoofer.

As an option, Atlantic offers a separate outboard mono-block amplifier to power the IWTS-28 SUB, called the SA-180. The SA-180 is rated at 180 watts RMS, and features equalization specific to the 28 SUB, auto on-off, and Phase control, all in a compact chassis, measuring just 2" tall, by 8 1/2" W x 12 1/2" D.

2. The 28 SUB has two sets of input terminals (one set for each 8" driver) and an on-board passive low-pass crossover so that it can be driven directly off the front left/right speaker outputs of the system's receiver—without the need for a separate amplifier. When used this way, the receiver's L/R outputs simply connect to the 28 SUB's inputs. The 28 SUB's on-board low-pass crossover—switched 'on'—ensures that the sub receives only the lower bass frequencies.

# IWTS-28 In-Wall Subwoofer w/SA-180 Amplifier

Note: The GFR-626 Grille/  
frame assembly is sold  
separately, for convenience  
and timing of installation.



## SA-180 Features

- Massive toroidal transformer
- 3-position Equalization switch
- 12-volt trigger turn-on
- 3-color LED status indicator
- Auto-off circuitry
- Space-saving 1U rack height
- 2-position phase control



180 Watts in a compact chassis,  
measuring just 2"H x 8½"W x 12½"D



Dual heavy-duty, long-throw 8" woofers  
deliver powerful bass



Paintable GFR-626 Grille/Frame  
(sold separately)



IR punchout\*

## Specifications

	IWTS-28 SUB Subwoofer Module
<b>Overall Dimensions (W x H x D)</b>	12 <sup>5</sup> / <sub>16</sub> x 21 <sup>5</sup> / <sub>8</sub> x 3 <sup>7</sup> / <sub>8</sub> " (312 x 547 x 100mm)
<b>Cut-Out Dimensions (W x H)</b>	11 <sup>1</sup> / <sub>8</sub> x 20 <sup>5</sup> / <sub>8</sub> " (283 x 518mm)
<b>Drivers/Design</b>	Dual 8" (203mm) long-throw, 40mm voice coils
<b>Frequency Response</b>	38-200 Hz +/- 3dB, passive response
<b>Recommended Amplifier Power</b>	30-200 Watts RMS
<b>Low-pass Filter Frequency</b>	200 Hz
<b>Sensitivity</b>	89dB
<b>Impedance</b>	Each individual woofer 8 ohm; paralleled 4 ohms
<b>Required Grille/Frame Assembly</b>	GFR-626
<b>Optional New-Construction Bracket</b>	IN-NC-626

	SA-180 Amplifier
<b>RMS Power (before limiting)</b>	180 W @ 4 Ohms, <0.25%THD
<b>Signal to Noise Ratio (-90dB hum)</b>	-97dB @ full power
<b>Frequency Response (typical, in room)</b>	30-150 Hz ±3 dB
<b>Input Sensitivity</b>	250mv @ full output, 100Hz
<b>Input Impedance</b>	15K Ω
<b>Power Supply Storage</b>	9.4K microfarads
<b>Toroidal Transformer</b>	400VA
<b>Peak Output Stage Current</b>	30amps rated
<b>Dimensions (W x H x D)</b>	8½" x 2" x 12½"
	215 x 50 x 320mm
<b>Weight (lbs)</b>	14lbs. (6.4kg)



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