

SMS1990 2-Way Surface Mounted Loudspeaker

DESCRIPTION

The SMS1990 advances the state-of-the-art for small loudspeaker technology in providing high quality sound and controlled directivity. The design incorporates several innovative technologies developed by EAW for much larger professional loudspeakers. These provide the SMS1990 with the directional performance, wavefront coherency, output levels, and sound quality normally associated with much larger and more expensive loudspeakers.

The 2 LF drivers are configured in a precise arrangement to provide excellent pattern control and coherency below the LF/HF crossover. In addition, the LF drivers couple at lower frequencies providing the LF output of a much larger driver without sacrificing sound quality through the crossover region. The custom, high power HF driver complements the LF subsystem throughout the critical speech range. The result of these driver configurations is an extended range of pattern control and coherency that is not generally associated with loudspeakers of this size.

The SMS1990 is designed for surface mounting using the Clip-Fit™ wall bracket. The Clip-Fit bracket provides both the mechanical and electrical connections to the loudspeaker. This allows the loudspeaker mounting and wiring to be pre-installed on the job site. The loudspeaker is then simply mounted to the Clip-Fit bracket in one operation that provides both the mechanical and electrical connections.

Features

- 2 x 3 inch Kevlar low frequency transducers
- 1 x 1 inch high frequency dome tweeter
- 90° x 90° coverage pattern
- UV/weather resistant HIPS (High Impact Polystyrene) enclosure
- Crossover optimized for speech intelligibility
- U-bracket included

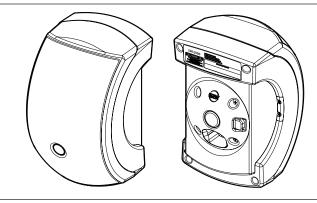
Applications

- Meeting Rooms Houses of Worship
- Courtrooms
- Boardrooms

- Multi-Purpose Facilities

Hotels

• Multizone Paging/Music Systems

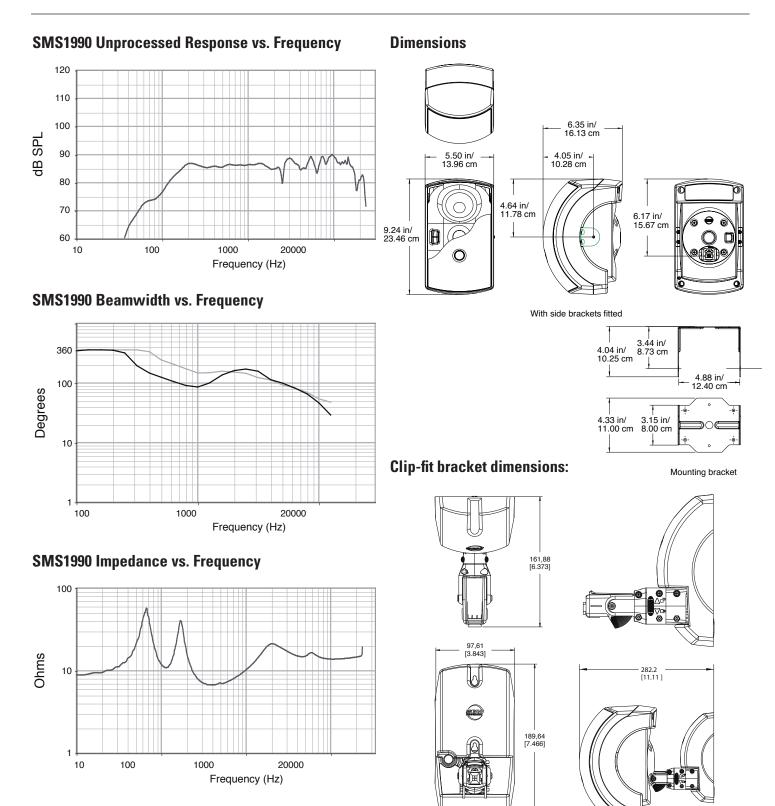


SPECIFICATIONS CONFICUENTION

Subsystem:Transducer LF 2 × 3 in cone HF 1 × 1 in domeLoading Vented WaveguideOperating Mode:Amplifier Channels Single-amp LF/HFExternal Signal Processing HPFPERFORMANCEOperating Range:99 Hz to 20 kHzNominal Beamwidth:Horz90° VertAxial Sensitivity (whole space SPL): LF/HF 86 dB99 Hz to 20 kHzInput Impedance (ohms):Nominal Nominal Minimum LF/HF 86.7 @ 390 HzInput Taps (w/CF-1TX version):70 V: 32 W / 16 W / 8 W / 4 W 100 V: 32 W / 16 W / 8 WHigh Pass Filter:High Pass=>90 Hz, 24 dB/octave ButterworthAccelerated Life Test:LF/HF 25 V75 W @ 8 ohmCalculated Axial Output Limit (whole space SPL): Average LF/HF 105 dBPeak 111 dBPRODUCT DATA Model Name:SMS1990Part Number:0018513 Black 0018514 WhitePHYSICAL Height (front face):9.24 in / 23.46 cmWidth (front face):9.24 in / 13.96 cmDepth (from face, backwards):6.35 in / 16.13 cmWeight:3.2 lbs / 1.45 kgACCESSORIES CF-1TX Black0023513CF-1LZ Black0023513CF-1LZ White0023514	CONFIGURATION			
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CF-1LZ White 0023514	CF-1LZ Black	0023513		
	CF-1LZ White	0023514		



2-Way Surface Mounted Loudspeaker



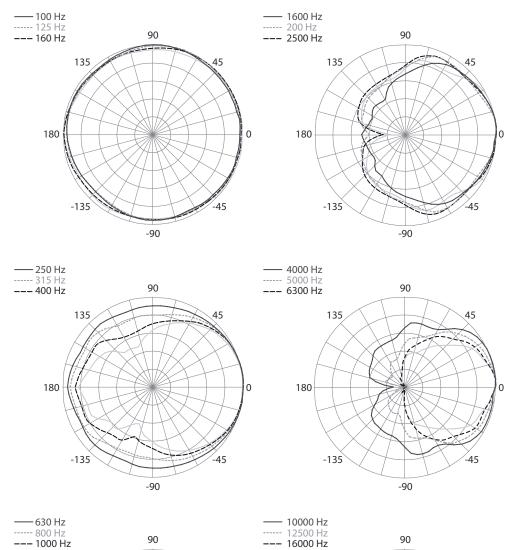
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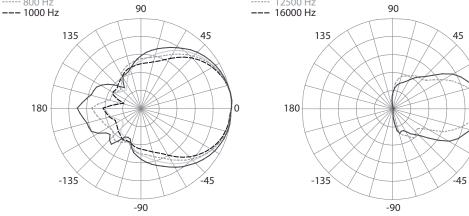
Part No. 0032591 Rev A 11/08



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SMS1990 VERTICAL POLARS



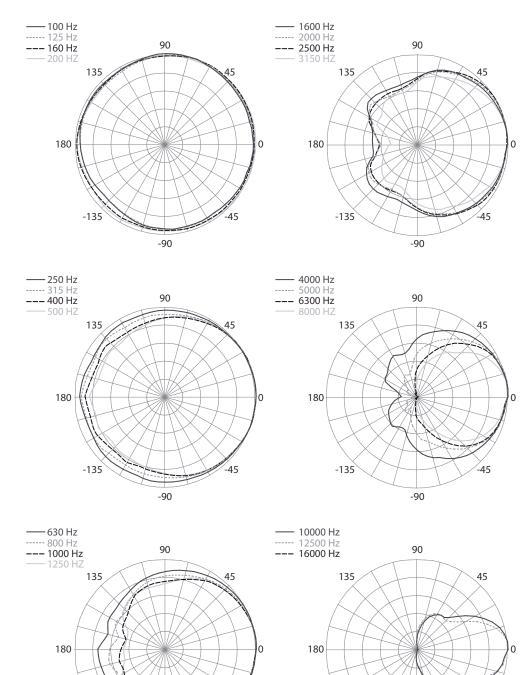


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SMS1990 HORIZONTAL POLARS



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