

DESCRIPTION

The SMS2124 significantly advances small loudspeaker technology in providing superior voice intelligibility, coherence and pattern control, combined with convenient, flexible mount capabilities.

The two-way SMS2124 (4 x 3-inch LF, 2 x 2-inch HF, 120-degree by 40-degree coverage pattern) incorporates proprietary Theta Technology™, with the LF drivers configured in a precise arrangement to provide excellent pattern control and coherency below the LF/HF crossover. The LF drivers also couple at lower frequencies, providing 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 SMS2124 is designed for surface mounting using the proprietary Clip-Fit™ system. All connections for the loudspeaker are contained within the Clip-Fit wall-mount unit via a single Molex connector, with the wall-mount unit pre-mounted at the preferred position on a wall. The installer then just “clips” the loudspeakers onto the Clip-Fit arm, and in one motion, the audio connection is terminated and the loudspeaker is live. The wall-mount unit offers a pan/tilt positioning range for precise aiming. For basic installations, SMS loudspeakers are also provided with U-brackets.

Features

- 4 x 3-inch Kevlar LF transducers
- 2 x 2-inch cone
- 120° x 40° coverage pattern
- Theta Technology = superior coherence and pattern control
- Crossover optimized for speech intelligibility
- UV/weather resistant HIPS (High Impact Polystyrene) enclosure
- Convenient, flexible Clip-Fit mounting system

Applications

- Meeting Rooms
- Houses of Worship
- Courtrooms
- Multizone Paging/Music Systems
- Hotels
- Boardrooms
- Multi-Purpose Facilities



SPECIFICATIONS

CONFIGURATION

Subsystem:	Transducer LF 4x 3 in cone HF 2x 2 in cone	Loading Vented Horn-loaded
Operating Mode:	Amplifier Channels Single-amp LF/HF	External Signal Processing HPF

PERFORMANCE

Operating Range: 93 Hz to 20 kHz

Nominal Beamwidth: Horz 120°
Vert 40°

Axial Sensitivity (whole space SPL):
LF/HF 90 dB 93 Hz to 20 kHz

Input Impedance (ohms): Nominal Minimum
LF/HF 8 6.4 @ 321 Hz

Input Taps (w/CF-1TX version): 70 V: 64 W / 32 W / 16 W / 8 W
100 V: 64 W / 32 W / 16 W

High Pass Filter: High Pass=>90 Hz, 24 dB/octave Butterworth

Accelerated Life Test: LF/HF 32 V 125 W @ 8 ohm

Calculated Axial Output Limit (whole space SPL):
Average Peak
LF/HF 111 dB 117 dB