

SR-26im Loudspeaker

KEY FEATURES

- Professional 6-inch 260W Woofers (2) with Neodymium Motor Systems
- Professional 1-inch Compression Driver on Elliptical Constant Directivity Horn
- Invisible Mount Modular Enclosure Design
- Designed for Installation in 2 x 4 Stud Bay
- 8th Order Crossover Slopes
- High Sensitivity Design: 99dB LF / 108dB HF
- Maximum Output: 122dB
- 4-ohm Nominal Impedance
- DSP Performance Optimized
- Requires Bi-Amplification via PRO Loudspeaker Controller
- **PRO PIVOT AIMING BRACKET COMPATIBLE**



DESCRIPTION

The SR-26im was conceived as a high-performance in-wall solution capable of providing the dynamics and high SPL levels for which PRO loudspeakers have become widely celebrated. Its innovative shallow enclosure fits neatly into a 2 x 4 stud bay while delivering a nearly undetectable designer-friendly installation when finished with its bezel-less perforated metal grille. Paintable, and fitting nearly flush to the sheetrock, the SCRS-26im cleanly disappears into its surroundings.

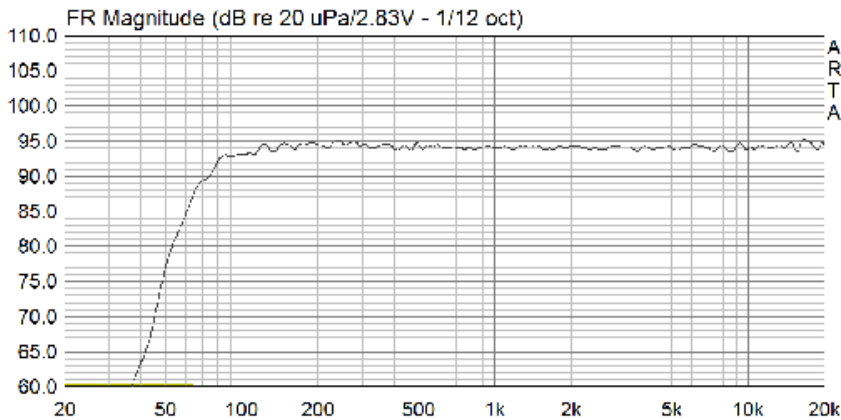
More impressive than its novel installation design is the sound produced by the SR-26im. Using high-output professional-grade components, the speaker creates a big, dynamic sound far surpassing the performance limitations of in-wall loudspeakers systems. A ported speaker design, its dual 6" professional-grade woofers employ powerful neodymium motor systems, resulting in bass that is tight, extended, and articulate. Likewise, its high-sensitivity compression driver and proprietary elliptical horn provide linear dispersion of high-frequency energy to beyond 24kHz, producing silky smooth highs with true-to-life dynamic range.

The SR-26im is suitable for use as a screen or surround channel loudspeaker in high-performance theater installations, as well as for high-resolution distributed audio systems. Like other PRO designs, it requires bi-amplification, maximizing the performance of each driver in the system. When mated to its companion PRO loudspeaker controller, proprietary Digital Signal Processing (DSP) is employed for high-resolution frequency shaping, boundary effects correction, and driver time alignment. Maximum output is 122dB; making the SR-26im the ultimate choice for all in-wall loudspeaker applications.

SPECS

APPLICATION:	Built-in in-wall high-output bi-amp speaker with frameless grille
LF SECTION:	Two professional 6.5" long-throw woofer
HF SECTION:	Professional 1" compression driver on 90° x 60° elliptical horn
CROSSOVER:	8th order acoustic via DSP
POWER HANDLING:	560W LF / 120W HF
SENSITIVITY:	99 dB LF/ 108dB HF
POWER REQUIREMENTS:	Requires bi-amplification via PRO loudspeaker controller
POWER RECOMMENDATION:	200W, 300W or 450W LF 100W or 200W HF
FREQUENCY RANGE:	54Hz – 24kHz
MAXIMUM OUTPUT:	122dB
NOMINAL IMPEDANCE:	4-ohms LF / 8-ohms HF
DIMENSIONS:	30"H x 14"W x 3-3/8"D (enclosure)
WEIGHT:	24 lbs.

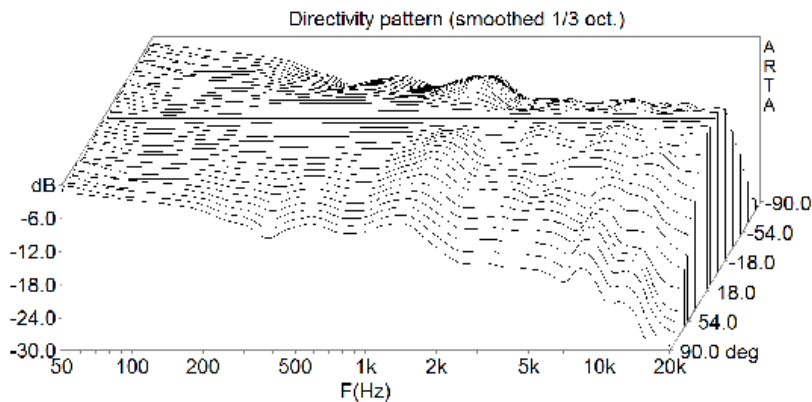
SR-26im Measurements



ON-AXIS FREQUENCY RESPONSE

The on-axis frequency response tells us the most about a loudspeaker's performance. An ideal response would be a horizontal straight line.

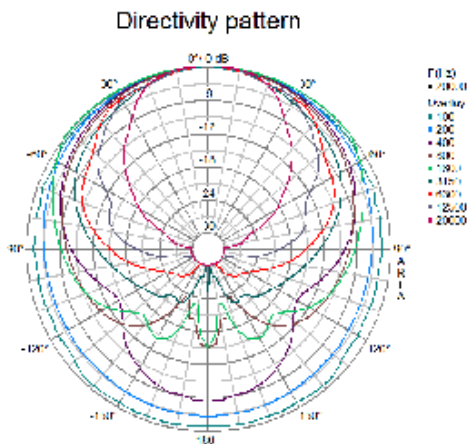
The SR-26im frequency response is remarkably flat and smooth, offering state of the art sonic performance. The response shown is unsmoothed.



0-90 DEGREE OFF-AXIS WATERFALL PLOT

The "Off-Axis Waterfall Plot" or "Lateral Response Family" depicts the response of the loudspeaker at progressively more off-axis angles normalized to the on axis response. This shows how the sound "changes" when you're not sitting directly on-axis and also give a good view of the coherence of the reflected energy in the room. An ideal response would be smooth gradual fall off of acoustic energy with rising frequency (left to right on the plot) and angle (front to back on the plot).

The SR-26im exhibits uniform, controlled dispersion all the way to 90 degrees off axis.



0-180 POLAR RESPONSE

The Polar Response plots the off-axis dispersion of the speaker at discrete frequencies on a 360-degree polar "map". Amplitude is shown concentric circles with 0dB (reference level) at the outer ring with decreasing amplitude toward the center of the circular plot. 0 degrees is the main axis.

Beamwidth is defined as the angular dispersion that occurs 6dB below on-axis response. It can be seen from the plot that the Beamwidth of the SR-26im is a very wide 100 degrees at 12.5kHz. The sound is extended and "open" up to the very highest audio frequencies.

$$f = 20000 \text{ Hz}, Q = 3.59, DI = 5.5 \text{ dB}, \text{Angle}(-6\text{dB}) = 62.4^\circ$$