

# SR-6im/SR-6im-P

## KEY FEATURES

- Compact Version of SR-26im
- Ported Enclosure Included
- Fits Within 2" x 4" Wall
- Passive (SR-6im-P) and Bi-Amp (SR-6im) Versions
- Ideal for Dolby Atmos and Auro 3D
- Low Profile Surface Mount Grille Available
- **PRO PIVOT AIMING BRACKET COMPATIBLE**



## DESCRIPTION

The SR-6im in-wall loudspeaker is the new "little brother" to the best-selling SR-26im model. The SR-6im offers the same dynamic and accurate sound quality of the 26im but at a lower cost and can be purchased with optional passive crossover network (SR-6im-P) for single-amp operation.

The SR-6im (with tuned bass-reflex enclosure) is less than 4" deep and 14" wide to fit within standard 2" x 4" architectural walls. An optional surface-mount, minimum-frame perforated grille is available.

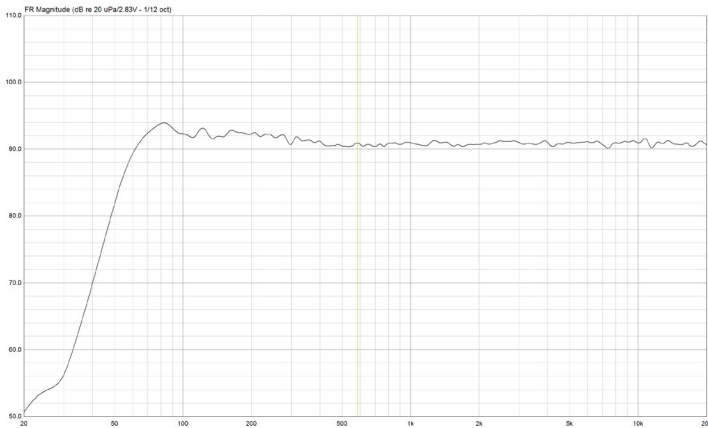
Like the SR-26im, the SR-6im creates a big, dynamic sound far surpassing the performance limitations of in-wall loudspeakers systems. Its 6" professional-grade woofer employs a powerful neodymium motor system, resulting in bass that is tight, extended, and articulate. In like manner, its high-sensitivity 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-6im is suitable for use as either a screen or surround channel loudspeaker in high-performance theater installations, as well as for high-end two-channel and distributed audio systems where aesthetics are a concern. The SR-6im has been designed for bi (SR-6im) or single amplification (SR-6im-P) to provide greatest system design flexibility. Maximum output is 116dB; making the SR-6im the ultimate choice for all in-wall loudspeaker applications.

## SPECS

<b>APPLICATION:</b>	Built-in, in-wall, high-output two way bi or single amp loudspeaker
<b>LF SECTION:</b>	Professional 6" long-throw woofer
<b>HF SECTION:</b>	Professional 1" compression driver on 90 x 60 Elliptical horn
<b>CROSSOVER:</b>	8th order acoustic via DSP
<b>POWER HANDLING:</b>	280W LF / 120W HF
<b>SENSITIVITY:</b>	93dB LF / 107dB HF
<b>POWER REQUIREMENTS:</b>	Requires amplification via PRO loudspeaker controller
<b>POWER RECOMMENDATION:</b>	300W or 450W LF / 100W or 200W HF / 300W or 450W Passive
<b>FREQUENCY RANGE:</b>	58Hz -24kHz
<b>MAXIMUM OUTPUT:</b>	116dB
<b>NOMINAL IMPEDANCE:</b>	8-ohms
<b>DIMENSIONS:</b>	26"H x 14"W x 3.9"D
<b>WEIGHT:</b>	21 lbs.

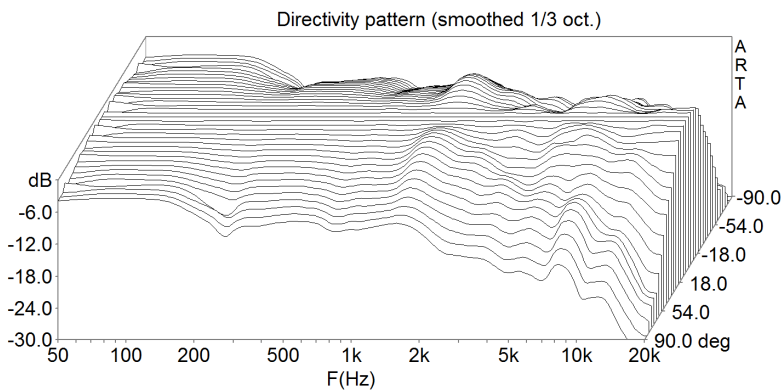
# SR-6im/SR-6im-P Measurements



## 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.

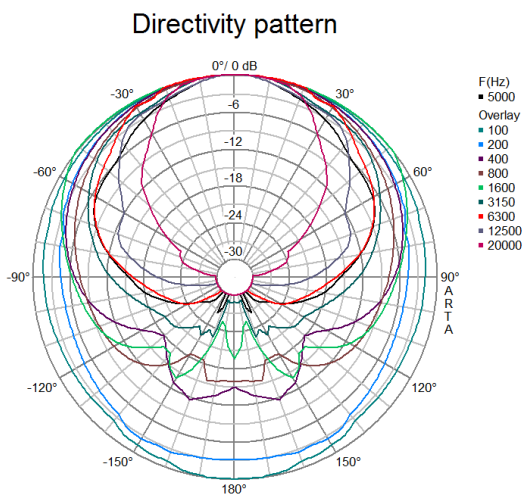
The SR-6im/SR-6im-P frequency response is remarkably flat and smooth, offering state of the art sonic performance. The response shown is unsmoothed.



## 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-6im/SR-6im-P 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-6im/SR-6im-P is a very wide 100 degrees at 12.5kHz. The sound is extended and "open" up to the very highest audio frequencies.