

# SCR-15sm

## KEY FEATURES

- Professional 15-inch, 1400W Woofer with 4-inch Voice Coil
- Professional 3-inch Compression Driver on 90° x 60° Constant Directivity Horn
- High-Sensitivity: 95dB LF; 111dB HF
- Maximum Output: >130dB
- Only 16-inches Deep
- Designed for Placement Behind Acoustically Transparent Screen
- 8th Order Crossover Slopes
- 4-ohm Nominal Impedance LF; 8-ohms HF
- DSP Performance Optimized
- Requires Bi-Amplification via PRO Amplifiers



## DESCRIPTION

The SCR-15sm "Screen Channel" loudspeaker utilizes large format professional-grade components to reproduce the acoustic scale and weight of Cinematic soundtracks. At its foundation, a 15" woofer employs a massive motor system with 4" voice coil to maximize thermal power handling, allowing the SCR-15sm to produce sustained high SPL levels with ease and without harsh distortion. Like all PRO cinema loudspeakers, the crossover of the SCR-15sm is accomplished in DSP and therefore eliminates dynamic compression associated with traditional home audio loudspeakers that rely on passive crossover networks in the signal path. By direct coupling the drivers to the output stage of its companion PRO amplifier, power transfer is maximized, as is damping factor, resulting in bass that is tight and highly defined. High frequencies are supplied by a 3" aluminum diaphragm compression driver mated to an optimized constant directivity horn with more than 396 sq. inches total radiating area. Dynamics are effortless, as the system's movement of air produces a visceral presentation matched only by the live experience.

Designed as part of an integrated digital cinema system, the SCR-15sm and companion PRO amplifier employ proprietary Digital Signal Processing (DSP) for high-resolution crossover and time correction filters. Its drivers sum seamlessly to project life like images in three dimensional space; creating an immersive soundfield equaled only by state-of-the-art commercial theater systems. Maximum output is >130dB, making the SCR-15sm perfectly suited for mid-sized and large room applications.

## SPECS

<b>APPLICATION:</b>	Bi-amplified large format screen channel loudspeaker
<b>LF SECTION:</b>	15" professional grade woofer with 4" voice coil
<b>HF SECTION:</b>	3" professional-grade compression driver / aluminum diaphragm with Mylar surround. 90° x 60° horn
<b>CROSSOVER:</b>	8th order acoustic via DSP
<b>POWER HANDLING:</b>	1400W LF / 220W HF
<b>SENSITIVITY:</b>	95dB LF / 111dB HF
<b>POWER REQUIREMENTS:</b>	Requires bi-amplification via PRO amplifiers
<b>POWER RECOMMENDATION:</b>	450W LF / 450W HF
<b>FREQUENCY RANGE:</b>	34Hz – 21kHz
<b>MAXIMUM OUTPUT:</b>	>130dB
<b>NOMINAL IMPEDANCE:</b>	4-ohms LF / 8-ohms HF
<b>DIMENSIONS:</b>	42"H x 22"W x 16"D
<b>WEIGHT:</b>	35 lbs. (HF module) 89 lbs. (LF module)