

SR-12ai

KEY FEATURES

- Architectural Installation™ Cabinet Design: 7.5-inch Total Depth for Easy Built-In Installation
- Suitable for Both Screen and Effects Channel Applications
- Professional 12-inch, 1400W Woofer with 4-inch Voice Coil
- Professional 1-inch Compression Driver on Elliptical Constant Directivity Horn
- Ultra-Purity™ Advanced Polymer Compression Driver
- Maximum Output: >130dB
- 8th Order Crossover Slopes
- 4-ohm Nominal Impedance LF; 8-ohms HF
- DSP Performance Optimized
- Requires Bi-Amplification via PRO Loudspeaker Controllers
- **PRO PIVOT AIMING BRACKETS INCLUDED**



DESCRIPTION

The SR-12ai is a specialized version of the S-12sm designed to bring the experience of our powerful surface mount loudspeaker to a space-conscious environment. Utilizing the same 12" woofer and 1" wide-bandwidth compression driver found in its sibling, the SR-12ai differs only in form. Its unique elongated enclosure is designed for built-in installation, complete with mounting points and hardware to secure it to surrounding studs. A removable front baffle and quick-connect wiring harness allow the SR-12ai to be installed in stages. At only 7.5" deep, it requires minimal build out; making it the perfect solution for shallow screen channel or high-end effects channel applications.

Performance is provided by two high-sensitivity professional-grade drivers. The 12" woofer employs a massive motor system and 4" voice coil to maximize thermal power handling, resulting in bass that is tight and articulate while allowing the SR-12ai to play at sustained loud sound pressure levels without fear of the harsh distortion associated with traditional loudspeaker designs. Equally refined as powerful, the unique elliptical horn and wide-bandwidth compression driver provide linear dispersion of high-frequency energy to beyond 24kHz with true-to-life dynamic range.

Developed as part of an integrated digital cinema system, the SR-12ai and companion PRO loudspeaker controller employ advanced Digital Signal Processing (DSP) to optimize system performance. As in commercial cinema systems, the SR-12ai is bi-amplified, maximizing performance of each driver. With maximum output exceeding 130dB, it is ideal for use in any application where loudspeaker depth limitations may be a concern.

SPECS

APPLICATION:	Bi-amplified architectural format screen or surround channel loudspeaker
LF SECTION:	12" professional grade woofer with 4" voice coil
HF SECTION:	1" professional-grade compression driver / polymer diaphragm 80° x 60° elliptical horn
CROSSOVER:	8th order acoustic via DSP
POWER HANDLING:	1400W LF / 120W HF
SENSITIVITY:	93dB LF / 108dB HF
POWER REQUIREMENTS:	Requires bi-amplification via PRO loudspeaker controller
POWER RECOMMENDATION:	450W LF / 200W HF
FREQUENCY RANGE:	40Hz – 24kHz
MAXIMUM OUTPUT:	>130dB
NOMINAL IMPEDANCE:	4-ohms LF / 8-ohms HF
DIMENSIONS:	36"H x 14"W x 7.5"D
WEIGHT:	51 lbs.