SLS CS100MH-CM Cinema Screen Channel Speaker System

CS100MH-CM shown with CSB115-CM low-frequency module

The CS100MH-CM is a passive mid/high screen channel cinema loudspeaker for auditoriums of 100-150 seats. It is also available for use with the CSB115-PXO-CM for single-channel amplifier operation.

The high-frequency section features a high-performance PRD500 planar ribbon transducer designed and manufactured by SLS Audio. The unique design and properties of the planar ribbon driver deliver fast transient accuracy, as well as an exceptionally smooth high-frequency response that provides a more direct sound to the audience, even with screen spreading. The mid-range section uses 2” x 6.5” drivers that are horn-loaded for increased sensitivity.

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KEY FEATURES

- PRD500 planar ribbon, high-frequency driver delivers unsurpassed sound quality
- Open and transparent sound even at high SPL due to advanced transducer technology in all bandwidth sections
- 90 x 40 degree dispersion pattern (not including screen scattering)
- 13-ply 3/4" Baltic Birch cabinet construction
- Included U-Bracket for easy installation and aiming
- Optional single channel amplifier operation when used with the CSB115-PXO-CM LF module

SPECIFICATIONS*

Operating Range	200Hz to 20kHz
Sensitivity (1W@1M)[1]	96dB
Horizontal Coverage -6dB[2]	90 degrees
Vertical Coverage -6dB[2]	40 degrees
Power Handling[3]	180W (27V) AES/2
Max SPL (calculated) 1M	119dB continuous/125dB peak
Nominal Impedance	4 ohms
Crossover Frequency	Passive
Transducers	MF 6.5"x2 HF 5" PRD500 Ribbon Driver
Input	Barrier Strip
Dimensions	70.78 cm (27.86") H 37.25 cm (14.67") W 23.51 cm (9.26") D
Enclosure	13-ply Baltic birch
Net Weight	19.96 kg (44lbs.)
Rigging	U-Bracket (included) for CSB115-CM attachment
Finish Options	Flat Black Latex

APPLICATIONS

- Developed for high-performance cinema applications where the highest quality and intelligibility of sound is required
- Behind Screen LCR

*Due to product improvement research, SLS Audio reserves the right to make changes to existing products without notice.

1. A sine wave sweep is applied to a voltage level measured at the loudspeaker terminals corresponding to 1W@1M as referenced to the loudspeaker's nominal impedance and the measuring distance. SPL is measured in an anechoic environment in the loudspeaker's far field, with the exception of subwoofers, which are measured in half space. Sensitivity is determined by a Log/Log averaging method from 315Hz to 16kHz in the anechoic environment. Subwoofers use the same method with the half space measurement but within their specified operating bandwidth.

2. Averaged from 500Hz to 8kHz.

3. AES established in accordance with AES/2-2003 standard.