

Christie LS3S

Line source surround speaker

Superior ribbon driver surround

The Christie® LS3S line source surround speaker combines advanced ribbon driver technology with a unique integrated waveguide design to provide enhanced clarity, reduced distortion and ultra-fast transient response. The extremely low mass of the ribbon driver allows the Christie LS3S to respond very quickly to signals, eliminating the effects of high frequency breakup and power compression while reproducing the source material with great accuracy.

Key features

Unique integrated waveguide design for very wide, controlled dispersion patterns

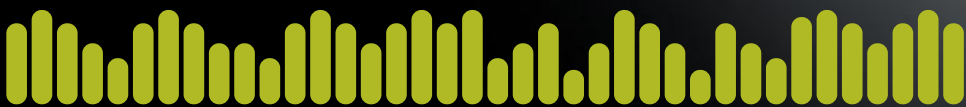
1 x 3.5" ribbon driver and 2 x 6.5" paper/Kevlar composite cone drivers

Dramatically higher RMS to peak max SPL ratio than compression driver systems

Ideal for use as surround channel speaker, with or without bass management

Heavy duty marine grade plywood cabinet with integrated mounting points

Limited five year warranty



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VIVE AUDIO

Superior versatility

The Christie LS3S utilizes one ribbon driver, one mid-bass driver and one bass driver with a 2.5-way linear phase internal passive crossover. When combined with a subwoofer for bass management, it creates a 3.5-way, bi-amplified full range speaker/sub system. Designed for surround channel use, with very wide 120° horizontal dispersion and controlled 60° vertical dispersion patterns, Christie LS3S provides optimal coverage of typical audience areas in ±300 seat auditoriums.

Specifications

System type	• Line source, 2.5-way, passive, vented enclosure
Driver components	• 1 x 3.5" ribbon driver with Neodymium magnets • 2 x 6.5" (mid-bass + bass) paper/Kevlar composite drivers
Crossover	• Linear phase, 2-way, passive @ 2.5kHz 12dB/octave, low pass @ 800Hz for bass driver, 6dB/octave
Frequency response	• 70Hz-20kHz @ -6 dB ¹
Maximum SPL	• 109dB, continuous ² • 121dB, peak ³
System coverage	• 120° horizontal dispersion • 60° vertical dispersion ⁴
Sensitivity¹, 1m/2.83V	• 91dB (150Hz-5kHz)
Power handling^{2,3}	• 125W (AES) continuous • 250W (IEC) short term (12dB crest factor) IEC • 12dB crest factor
Recommended amplifier power	• 125-250W (FTC) @ 4 ohms
Rated impedance	• 4 ohms
Input connectors	• 2 position barrier strip
Enclosure	• Vented box alignment • 18mm marine plywood • Heavily braced
Mounting options	• Wall mounted using 4 x M8 points
Accessories (optional)	• Christie BKW-SUR wall bracket (fixed) • Allen Products MM-015/016 (adjustable)
Dimensions	• (LxWxH) 9 x 11 x 19.7" (230 x 280 x 500mm)
Net weight	• 12.8lbs. (5.8kg)
Warranty	• Limited five year warranty

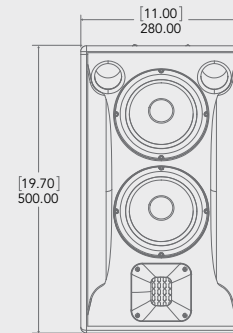
¹ LS3S was measured in 2pi conditions. Such conditions most closely match typical indoor wall mount applications.

² AES, 6dB crest factor at 1m. Max continuous SPL calculated based on sensitivity and AES power handling.

³ Short-term IEC 268-5 pink noise, 12dB crest factor, the crest factor was specifically increased to reflect real life parameters of digital cinema sound tracks. Peak SPL calculated based on short-term power, 3dB reduction is used for compression effects. Ribbon driver technology has the ability to produce double the peak capacity (12dB) above the RMS value to that of conventional transducers. 12dB peaks with durations of 200ms are possible, providing better transient response without high frequency breakup or power compression.

⁴ Averaged in 500Hz-10kHz range, -6dB.

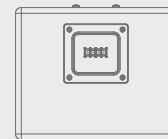
Front view



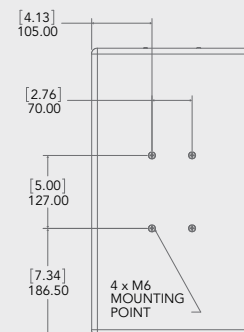
Side view



Top view



Back view



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