

Dolby® System 128 Screen Channel Speaker

Superior coverage. Enhanced detail.
Premium low-frequency impact.

Designed to meet the needs of today's large, immersive venues, Dolby's new System 128 screen channel speaker with its patented asymmetrical waveguide, delivers superior audio coverage and uniform volume shading for every seat in the venue. Purpose built for auditoriums of up to approximately 66 feet (20 meters) in depth, the System 128 is comprised of (1) CS128MH mid/high passive loudspeaker for delivering enhanced mid and high-frequency detail, and (1) CS128LF loudspeaker for low-frequency energy, providing greater articulation and enhanced bass extension. These two cabinets work in concert to create a bi-amplified screen channel speaker system that provides better audience coverage, lower distortion (discomfort), and extended, premium low-frequency delivery.*

With intuitive ergonomic design features like the side-mounted input plate and shallow 13.4" (340 mm) depth, the Dolby System 128 enables quick, easy installation in auditoriums where space is limited. Built on the foundation of the Dolby's industry-leading system design and support philosophy, the Dolby System 128 provides elevated large-format auditorium performance and simplifies speaker integration.



Key features

- Patented advanced asymmetrical waveguide design provides even coverage and volume shading for the entire auditorium
- Low-distortion 75mm titanium dome high-frequency driver delivers smooth and faithful response up to 20 kHz.
- High sensitivity, 12" mid-frequency driver incorporates motor and suspension technology that optimizes cooling, as well as an aluminum demodulation ring for decreased distortion.
- Two 15" low-frequency woofers for exceptional low range audio
- Advanced input plates featuring high-current, spring-loaded terminal block allows quick, tool-free connection during installation
- CS128LF woofers can be configured to be powered either individually or in parallel mode by using a unique input flip-card
- Quality constructed wood enclosure with exceptional bracing delivers unparalleled low frequency extension and articulation, tuned port cutouts also function as handles during unpacking and installation
- Shallow, 13.4" (340 mm) depth and laterally mounted input plate enable both easy installation and service access in challenging spaces
- Optional BKT.FLR Floor-bracket kit (sold separately) allows for mechanical connection of the speaker stack to the auditorium mounting surface**

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Industry standard technical data***

PRELIMINARY

Frequency Range ¹	39Hz - 20kHz
Usable LF Response ²	32Hz
CS128MH Coverage Window (Asymmetrical) ³	60° top H, 120° Bottom H, 60° V
CS128MH Rated Impedance	8 Ohms
CS128LF Rated Impedance	4 Ohms parallel/ 8 Ohms x 2 (independent mode)
CS128MH Sensitivity @ 1 Watt ⁴	101dB
CS128LF Sensitivity @ 1 Watt ⁵	101dB
CS128MH Power Handling ⁶	300W @ 49Vrms
CS128LF Power Handling ⁷	600W @ 49Vrms
CS128MH Maximum Continuous SPL @ 1 meter ⁸	126dB
CS128LF Maximum Continuous SPL @ 1 meter ⁹	129dB
SYS128 Maximum Summed Continuous SPL @ 1 meter ¹⁰	131dB
Input/MF	Barrier Strip (advanced input plate w/high-current spring-loaded terminal block)
Input/LF	Barrier Strip (advanced input plate w/flip card and high-current spring-loaded terminal block)
Enclosure	Wood
Accessories	BKT.FLR Floor Bracket Kit (sold separately)
Dimensions	70.80"H x 32.74"W x 13.4"D (179.8 x 83.2 x 34 cm)
Weight (System Stack)	186 lb (84.37 kg)

1. +3dB/-6dB in half space conditions using recommended processing

2. -10dB in half space conditions

3. Horizontal Top and Vertical -6dB averaged to on-axis response. Horizontal Bottom -9dB averaged to on-axis response for near-field proximity compensation

4. Measured with 12 dB crest pink

noise @ 2.83 Vrms in whole- space conditions with required high- pass filter (HPF) and 48 dB bandwidth (BW) low-pass filter (LPF) @ the rated system frequency range.

5. Measured with 12 dB crest pink noise @ 2 Vrms in half-space conditions with required processing

6. 12 dB crest pink noise for two hours with required HPF and 48 dB bandwidth (BW) low-pass filter (LPF) @ the rated system frequency range, calculated power based on rated impedance.

7. 12 dB crest pink noise for two hours with required HPF and LPF based on AES2-2012 standard; calculated power based on rated impedance.

8. Calculated from rated sensitivity and power.

9. Calculated from rated sensitivity and power.

10. Total SPL is a noncoherent summation.

This documentation applies to CID1030 and CID1027

The English version of this document is the only legally binding version.

Translated versions are not legally binding and are for convenience only.

*The term "bi-amplified" used in this document refers to the required mode of operation where a minimum of two external amplifier channels are required. These are unpowered loudspeakers and do not have built-in amplification.

**Sound and vibration from this type of speaker system is high and may cause cabinets to shift. Failure to secure the bottom speaker cabinet to the mounting surface may result in a tip/fall of the entire system which may cause damage or injury. Proper selection of mounting hardware is not included and proper assembly and installation of mounting hardware, including, but not limited to, selection of appropriate weight bearing support and bracket use is the exclusive responsibility of the installer. Dolby disclaims any liability, including damage or injury, for the selection of i) non-Dolby manufactured mounting hardware or ii) third-party manufactured mounting hardware not previously approved in writing by Dolby, and/or bracket installation. Any modification to the speaker system hardware provided by Dolby (i.e. mounting by drilling holes into the speaker system) will result in a null and void product warranty.

***Specifications are subject to change without notice.



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