



Dolby® System 131 Screen Channel Speaker

Exceptional coverage, and amazing detail.

Utilizing our exceptional asymmetrical dual-entrant horn design, the new Dolby CS131MH mid-/ high-frequency screen speaker delivers all the subtle detail and nuance expected in today's immersive cinematic experience.

Coupled with the CS136LF low-frequency module, the CS131MH completes the Dolby System 131, a new cinema screen channel system capable of extremely effective and accurate performance in large auditoriums up to 111 feet (34 meters) in depth.

The asymmetrical coverage pattern –50° vertical with horizontal transitions from 55° at the top to 100° at the bottom of the waveguide –ensures optimized volume and throws to the rear seats with gradual widening and softening coverage for the closer seats. Very articulate, uniform dialog and soundtrack can now be enjoyed in every seat in the auditorium, rather than in just a select few.

Echoing the primary design features of the System 133, the System 131 utilizes advanced input plates that feature high-current, spring-loaded terminal blocks, allowing for a quick, tool-free connection during installation. Unique flip-card electrical routing enables quick and easy passive, or bi-amplified module selection, as well as individual or parallel low-frequency configuration.



Key features

- Dual-entrant asymmetrical horn design allows for close driver proximity which yields improved pattern control around the crossover frequency and provides even coverage and volume shading for all the seats in the auditorium
- Quality 2" HT polymer high-frequency compression driver exhibits superb performance in the articulation ranges
- Advanced input plate featuring high-current, spring-loaded terminal block and unique flip-card PCB electrical routing, allows quick, tool-free connection during installation and easy selection of passive or bi-amp module configuration
- Composite diaphragm, 2" mid-frequency compression driver couples in close vertical proximity to the high-frequency driver, enhancing sensitivity, intelligibility, and power-handling
- Preassembled horn design simplifies setup while reducing freight costs
- Intuitive tilt and pan mechanisms can be used with laser aimingsights in the speaker horn. This provides quick and accurate aiming of the horn using a common laser pointer.
- Intuitive tilt
- Optional BKT.FLR floor-bracket kit (sold separately) facilitates the mechanical connection of the speaker stack to the auditorium mounting surface*

This documentation applies to CID1029 and CID1025

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



*BKT.FLR - Floor-bracket kit must be used (sold separately) to secure the entire speaker system to the auditorium mounting surface. 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.

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Specifications**

Frequency Range ¹	31Hz - 20kHz
Usable LF response ²	28Hz
Coverage window (asymmetrical) ³	55° top horizontal, 100° bottom horizontal, 50° vertical
CS131MH passive mode rated impedance	8 ohms
CS131MH bi-amp mode rated Impedance	MF 8 ohms / HF 8 ohms
CS136LF rated impedance	4 ohms / 8 ohms independent drive
CS131MH passive mode sensitivity @ 1 watt ⁴	103dB
CS131MH bi-Amp mode sensitivity @ 1 watt ⁵	MF 109dB / HF 105dB
CS136LF sensitivity @ 1 watt ⁶	102dB
CS131MH passive mode power handling ⁷	300W @ 49Vrms
CS131MH bi-Amp mode power handling ⁸	MF 80W @ 25.3Vrms / HF 70W @ 23.7Vrms
CS136LF power handling ⁹	1400W @ 74.8Vrms
CS131MH passive mode maximum continuous SPL @ 1 meter ¹⁰	128dB
CS131MH bi-amp mode maximum continuous SPL @ 1 meter ¹¹	130dB (MF 128dB + HF 124dB)
CS136LF maximum continuous SPL @ 1 meter ¹²	133dB
System 131 maximum summed continuous SPL @ 1 meter ¹³	134dB
Transducers:	LF 15" x 2 MF - 2" Composite HF - 2" HT Polymer
Input	Spring terminal block (Advanced Input Plate w/flip card)
Enclosure	Wood
Accessories	BKT.FLR Floor Bracket Kit (sold separately)
Dimensions	63.56"H x 30.22"W x 23.21"D (161.5 x 76.8 x 59 cm)
Weight (System Stack)	207 lb (93.8 kg)

1. +3dB/-6dB in half space conditions using required 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 IEC 60268-1 noise @ 2.83 Vrms in wholospace 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 @ 2.83 Vrms in whole-space conditions. MF used required HPF and LPF. HF used required HPF and 48 dB BW LPF @ the rated system frequency range

6. Measured with 12 dB crest pink noise @ 2 Vrms in half-space conditions with required HPF and LPF

7. 12 dB crest IEC 60268-1 noise for two hours with required HPF, calculated power based on rated impedance

8. 12 dB crest pink noise for two hours with required HPF and LPF, based on AES2-2012 standard, calculated power based on rated impedance. MF used required HPF and LPF. HF used required HPF and 48 dB BW LPF at the rated system frequency range

9. 12 dB crest pink noise for two hours with required HPF and LPF, based on AES2-2012 standard, calculated power based on rated impedance

10. Calculated from rated sensitivity and power

11. MF and HF calculated from rated sensitivity and power. Total SPL is a noncoherent summation

12. Calculated from rated sensitivity and power

13. LF, MF and HF summed individually as a noncoherent summation. LF max SPL reduced 1dB for content spectrum system power balancing

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**Specifications are subject to change without notice.



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