

# Dolby® System 136 Screen Channel Speaker

**Superior coverage.**

**Lower distortion. Deeper bass.**

The Dolby System 136 is one of our newest speaker innovation. The speaker utilizes a proprietary asymmetrical dual-entrant horn to deliver consistent audio coverage and uniform volume shading for every seat in the venue, including Dolby Atmos® rooms up to approximately 165 feet (50.3 m) in depth.

Utilizing custom compression-driver technology, superior enclosure design and higher-quality woofers, the Dolby System 136, consisting of (1) CS136MH and (2) CS136LF units, yields greater intelligibility and enhanced low-frequency extension.

With intuitive ergonomic design and features, the Dolby System 136 allows for quick, easy installation and service. Built on the foundation of Dolby's industry-leading system design and support philosophy, the Dolby System 136 provides elevated PLF performance and streamlines speaker integration.



## Key features

- Dual-entrant asymmetrical horn provides even coverage and volume shading for the entire auditorium
- Custom ring radiator compression driver facilitates lower crossover frequency enhancing intelligibility and power handling
- Quality constructed wood enclosure with exceptional bracing delivers unparalleled low frequency extension and articulation
- 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 tri-amp or quad-amp system configurations. The CS136LF input flip-card allows for parallel (4 Ohm), or direct to individual driver (8 Ohm) connection
- Preamsembled horn design simplifies setup while reducing freight costs
- Intuitive tilt and pan mechanisms can be used with laser aiming sights in the speaker horn. This provides quick and accurate aiming of the horn using a common laser pointer
- Shallow, 23.21" depth and side mounted LF input plates enable both easy installation and service access in challenging spaces
- BKT.136 Tie-plate kit (included) secure CS136LF cabinets together, and optional BKT.FLR floor-bracket kit (sold separately) allow for mechanical connection of the speaker stack to the auditorium mounting surface.

NOTE: BKT.136 - Tie plate kit (included with CS136MH) are used to connect the two CS136LF speakers together to prevent movement or shifting of the cabinets due to high levels of sound and vibration. These brackets must be installed prior to system use. Dolby disclaims any liability, including damages or injury, if installer fails to comply with these instructions.

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.

# Dolby System 136 Screen Channel Speaker

## Industry standard technical data\*

Frequency Range <sup>1</sup>	31Hz - 20kHz
Usable LF Response <sup>2</sup>	28Hz
CS136MH Coverage Window (Asymmetrical) <sup>3a</sup>	55° top H, 100° Bottom H, 50° V
Stacked CS136LF Coverage Window <sup>3b</sup>	120° H, 60° V
CS136MH Passive Mode Rated Impedance	8 Ohms
CS136MH Bi-amp** Mode Rated Impedance	MF 8 Ohms / HF 8 Ohms
CS136LF Rated Impedance (individual cabinets)	4 Ohms / 8 Ohms (bi-wire mode)
CS136MH Passive Mode Sensitivity @ 1 Watt <sup>4a</sup>	104dB
CS136MH Bi-amp** Mode Sensitivity @ 1 Watt <sup>4b</sup>	MF 112dB / HF 106dB
CS136LF Stacked Cabinet Sensitivity @ 1 Watt <sup>4c</sup>	Top 102dB / Bottom 100dB
CS136MH Passive Mode Power Handling <sup>5a</sup>	500W @ 63.2Vrms
CS136MH Bi-amp** Mode Power Handling <sup>5b</sup>	MF 125W @ 31.6Vrms / HF 75W @ 24.5Vrms
CS136LF Stacked Cabinet Power Handling <sup>5c</sup>	Top 1400W @ 74.8Vrms / Bottom 900W @ 60Vrms
CS136MH Passive Mode Maximum Continuous SPL @ 1 meter <sup>6a</sup>	131dB
CS136MH Bi-amp** Mode Maximum Continuous SPL @ 1 meter <sup>6b</sup>	MF 133dB (MF 133dB + HF 125dB)
CS136LF Stacked Cabinet Maximum Continuous SPL @ 1 meter <sup>6c</sup>	138dB (Top 133dB + Bottom 129dB)
SYS136 Maximum Summed Continuous SPL @ 1 meter <sup>6d</sup>	139dB
Input	Spring terminal block (Advanced Input Plate w/flip card)
Enclosure	Wood
Accessories	BKT.136 Tie-plates (included) secure CS136LF cabinets together BKT.FLR Floor Bracket Kit (sold separately)
Dimensions	96.83"H x 30.22"W x 23.21"D (245.9 x 76.8 x 59 cm)
Weight (System Stack)	358.5 lb. (162.61 kg)

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

2. -10dB in half space conditions

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

3b. Horizontal and Vertical -6dB relative to on-axis response using both LF cabinets operating with their respective recommended processing

4a. Measured with 12dB crest IEC 60268-1 noise @ 2.83Vrms in whole space conditions with recommended HPF and a 48dB BW LPF at the rated frequency range of the system

4b. Measured with 12dB crest pink noise @ 2.83Vrms in whole space conditions. MF used recommended HPF and LPF. HF used recommended HPF and a 48dB BW LPF at the rated frequency range of the system

4c. Measured with 12dB crest pink noise @ 2Vrms in half space conditions with recommended HPF and LPF respectively for top and bottom cabinets

5a. 12dB crest IEC 60268-1 noise for 2-hours with recommended HPF, calculated power based on rated impedance.

5b. 12dB crest pink noise for 2-hours with recommended HPF and LPF, based on AES2/2012 standard, calculated power based on rated impedance. MF used recommended HPF and LPF. HF used recommended HPF and a 48dB BW LPF at the rated frequency range of the system

5c. 12dB crest pink noise for 2-hours with recommended HPF and LPF respectively for top and bottom cabinets, based on AES2/2012 standard, calculated power based on rated impedance.

6a. Calculated from rated sensitivity and power. MF and HF maximum SPL rating summed as non-coherent

6b. MF and HF calculated from rated sensitivity and power. Total SPL is presented as a non-coherent summation.

6c. Top and Bottom LF calculated from rated sensitivity and power. Total SPL is presented as a coherent summation.

6d. Dual LF coherent sum combined with MF and HF individually. Total SPL is presented as a non-coherent summation.

This documentation applies to CID1024 and CID1025

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

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

\*Specifications are subject to change without notice.

\*\*The term "bi-amp" used in this document refers to a mode of operation where two external amplifier channels are required. This is a passive loudspeaker and does not have built-in amplification.

