Dolby® DSR1260/DSR1280 High-Powered 12” Two-Way Surround Speakers

Full bandwidth detail. Tell the story from any angle.

In today’s delivery of new and exciting content, surround speakers play an increasingly pivotal role. The new Dolby® DSR series of immersive surround loudspeakers were designed to meet and exceed that need.

Perfect for medium to large size venues, the DSR1260 (typically used for side surrounds) and DSR1280 (typically used for overheads) series surround loudspeakers were engineered utilizing baffle-mounted high-frequency waveguides with two coverage pattern options, (DSR1260 Vertical 60°, Horizontal Coverage Top 60°, Bottom 120° / DSR1280 Vertical 80°, Horizontal Coverage Top 80°, Bottom 130°). The speaker can be mounted in a vertical orientation or horizontally as to not interfere with the projector light path. The high-frequency horn can be rotated within the enclosure to maintain the best coverage for the maximum number of seats.

These asymmetrical waveguides offer a new advantage in surround and overhead coverage, facilitating extremely linear and targeted volume delivery, bringing immersive audio detail into clear view for your entire audience.

Key features

- Two asymmetrical waveguide patterns allow for predictable and linear coverage for sidewall and overhead zones throughout the entire auditorium
- Low distortion, 44.4 mm polyimide dome high-frequency driver delivers smooth and faithful response up to 20 kHz
- Custom, high sensitivity 12” low-frequency driver incorporates motor and suspension technology that provides robust protection against over excursion
- High quality wood enclosure with industry standard hole pattern accepts a variety of brackets for mounting and aiming.
- Attractive Dolby design achieves a rich and elegant auditorium look minimizing reflection of projector or ambient light
- Target throw distance of 19 meters to reference listening position
- Top-of-cabinet advanced input plate featuring high-current, spring-loaded terminal block for easy installation
- Passive crossover installed for simple plug-and-play performance

This documentation applies to CID1031

The English version of this document is the only legally binding version.
Translated versions are not legally binding and are for convenience only.

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Dolby DSR1260/DSR1280 High-Powered 12" Two-Way Surround Speaker

Specifications*

Frequency Range[1]	55Hz - 20kHz
Usable LF response[2]	47Hz
Coverage Window (Asymmetrical)[3]	
DSR1260 (typically used for side surrounds)	60° Top H, 120° Bottom H, 60° V
DSR1280 (typically used for overheads)	80° Top H, 130° Bottom H, 80° V
Rated Impedance	8 Ohms
Whole Space Sensitivity @ 1 Watt[4]	98dB
Half Space Sensitivity @ 1 Watt[5]	100dB
Power Handling[6]	525W @ 64.8Vrms
Power Draw[7]	420W
Maximum voltage peak[8]	160 Vpk
Whole Space Maximum Continuous SPL @ 1 meter[9]	125dB
Half Space Maximum Continuous SPL @ 1 meter[9]	127dB
Whole Space Measured acoustic peak SPL @ 1 meter[10]	136dB
Half Space Measured acoustic peak SPL @ 1 meter[10]	138dB

Transducers:	MF - 12" HF - 44.4 mm diaphragm
Enclosure	Wood
Accessories	M10 safety eyebolt #6009242 (sold separately)
Dimensions (Unit)	25.87"H x 16.13"W x 14.59"D (65.7 x 40.98 x 37.1 cm)
Weight (Unit)	55 lb. (25 kg)
Dimensions (Shipping)	30"H x 19"W x 18"D (76.2 x 48.26 x 45.72 cm)
Weight (Shipping)	62 lb. (28.12 kg)

1. +3dB/-6dB in half space conditions using required DSP
2. -10dB in half space conditions
3. Horizontal top and vertical -6dB averaged to HF horn on-axis response. Horizontal bottom -9dB averaged to on-axis response for near-field proximity compensation
4. Measured with 12dB crest pink noise @ 2.83Vrms in whole space conditions with an 80Hz high pass filter (HPF) and 48dB low pass filter (LPF) @ the rated system high frequency (80Hz is a typical crossover point into Atmos surround bass management)
5. Measured with 12dB crest pink noise @ 2.83Vrms in half space conditions with required high pass filter (HPF) and 48dB low pass filter (LPF) @ the rated system frequency range
6. 12dB crest pink noise for two hours with required HPF and 48dB low pass filter (LPF) @ the rated system frequency range, calculated power based on rated impedance
7. Measured average power over 5 seconds at the rated Vrms using 12dB crest pink noise with required HPF and LPF. This measured power draw from the amplifier is useful for estimating amplifier sizing in overall system design
8. Vpk over 100 hours using stepped Hann shaped sine wave bursts at 1/3rd oct spacing within the rated passband of the system. This data is useful for setting peak stop limiters and amplifier selection
9. Calculated from rated sensitivity and power
10. Measured peak SPL over 5 seconds at rated Vrms using 12dB crest pink noise with required HPF

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Mounting brackets and yokes for Dolby DSR1260/DSR1280 are not provided by Dolby.

*Specifications are subject to change without notice.

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