



Dolby DSR1260 / DSR1280

High Powered 12" Two-Way Surround Speaker

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Dolby DSR1260/DSR1280

High-Powered 12" Two-Way Surround Speakers

Full bandwidth detail with the ability to tell the story from any angle

In today's delivery of new and exciting immersive 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) surround loudspeakers were engineered utilizing Dolby's patented asymmetrical high-frequency waveguides with two coverage pattern options, either of which can be **rotated within the enclosure** to custom tailor a highly effective surround and overhead coverage map.

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.



Dolby DSR1260/DSR1280

Components

The DSR Series **Surround Speakers** employ a low distortion, 44.4 mm polyimide dome high-frequency compression driver designed and optimized to deliver smooth and faithful high sound pressure levels up to 20kHz in frequency.

Custom, high sensitivity 12" low-frequency drivers incorporates motor and suspension technology that provides **robust protection** against damage from **over-excursion** while producing rich low-frequency impact and delivering exciting immersive content.



Dolby DSR1260/DSR1280

Components

Included **Passive Crossover Network** for plug and play operation.

A top-of-cabinet placed advanced input-plate featuring high-current, spring-loaded terminal block for quick and easy tool-free connection during installation and service



Dolby DSR1260/DSR1280

Components

Quality constructed wood enclosure with industry standard hole pattern in two locations accepts a variety of yokes and brackets for mounting and aiming.

(Brackets are third party and are not supplied by Dolby)

An M10 safety eyebolt (**DPN #6009242 sold separately**) is available for connecting the speaker to the building structure using an installer supplied safety cable.



Dolby DSR1260/DSR1280

Dispersion

Just like the Systems 128/133/136, the patented advanced DSR1260/1280 **asymmetrical waveguide technology** design provides optimized coverage and volume shading for both overhead and side surround applications.

The waveguides may be **rotated 90°** providing coverage options and loudspeaker orientations for both **wall and ceiling applications** while still maintaining their desired coverages.



Dolby DSR1260/DSR1280

Dispersion

The **DSR1260** (typically used in side-surround applications) offers **60° Vertical** pattern, but transitions in **Horizontal** coverage from **60°** at the top, to **120°** at bottom of the waveguide, ensuring consistent volume between seats while gradually widening and softening coverage for the closer seats.

DSR1260 Dispersion

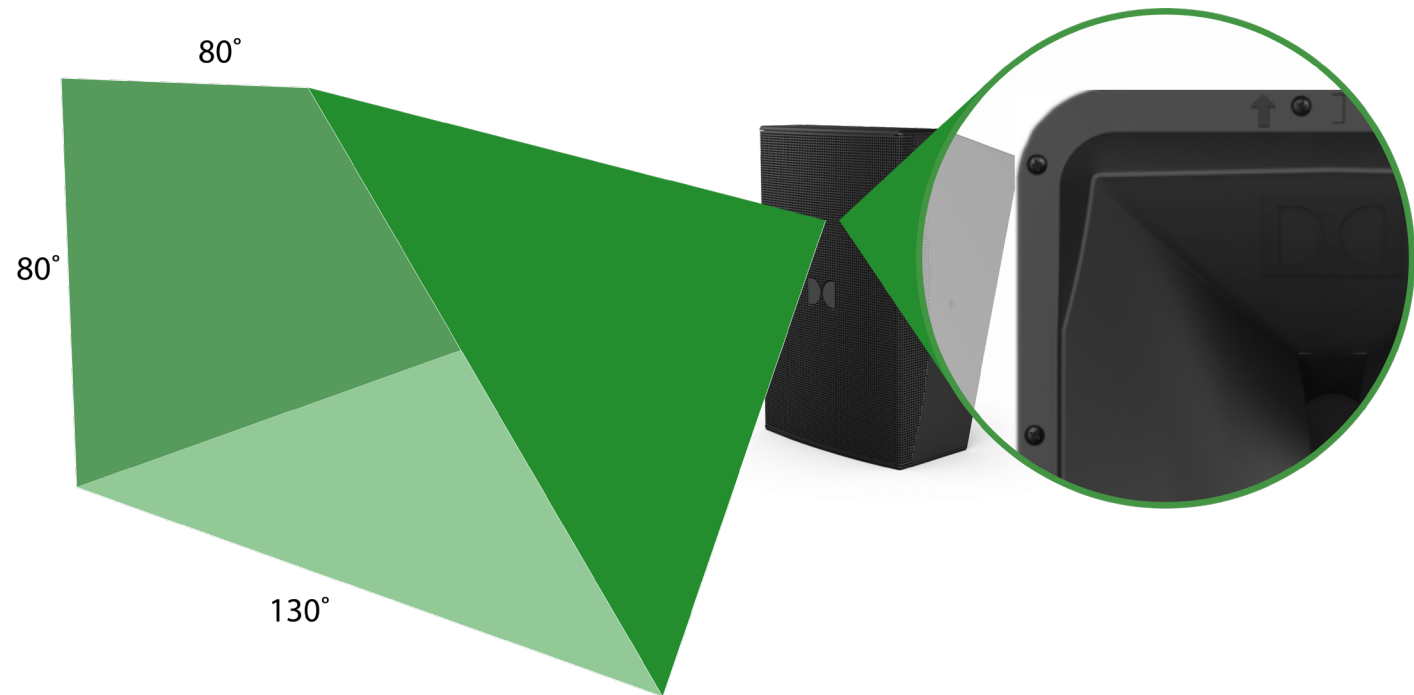


Dolby DSR1260/DSR1280

Dispersion

The **DSR1280** (typically used in overhead-surround applications) offers **80° Vertical** pattern, but transitions in **Horizontal** coverage from **80°** at the top, to **130°** at bottom of the waveguide, ensuring consistent volume between seats while gradually widening and softening coverage for the closer seats.

DSR1280 Dispersion



Dolby DSR1260/DSR1280

Frequently Asked Questions

What is the DSR1260/DSR1280?

- The new Dolby DSR1260/DSR1280 are high-performance cinema surround loudspeakers for use in 5.1 and 7.1 cinema auditoriums and medium-to-large size Dolby Atmos® equipped auditoriums. The Dolby DSR1260/DSR1280 **provide two coverage pattern options** allowing optimized performance for wall or ceiling surround applications. Both products incorporate Dolby's **asymmetrical horn technology**, which provides consistent audio coverage and uniform volume shading.

Why did Dolby develop the DSR1260/DSR1280?

- Dolby is continually striving to bring the best immersive experiences to audiences. With that in mind we endeavored to apply all our engineering knowledge towards creating best-in-class surround speakers that would be worthy of the Dolby brand. These speakers bring exceptional performance combined with beautiful design and measurable value to exhibitors seeking to **elevate** their customers' **audio experience**.

Dolby DSR1260/DSR1280

Frequently Asked Questions

Why should I buy these over any other competing screen speaker?

- The DSR1260/DSR1280 Surround Speakers deliver more consistent audio coverage; have less distortion in critical frequencies; have more low-end; and are easier to install and aim than other speakers in their class

When can I buy a DSR1260/DSR1280?

- Product availability is currently targeted for Winter 2021

Why is this a DOLBY speaker, and not an SLS speaker?

- We have engaged our industrial design, engineering, product management and support teams to evolve the current SLS speaker portfolio into an even more performant, ergonomic and aesthetic Dolby branded speaker solution that is reflective of the quality and innovation shown in the rest of our professional cinema product line.

Dolby DSR1260/DSR1280

Frequently Asked Questions

What are the primary features?

- Rotatable patented **asymmetrical horn** with front-to-back volume shading for more concise sidewall and overhead coverage
- High-quality, low distortion 44.4 mm polyimide hi-frequency compression driver
- **Custom**, high-sensitivity 12" low-frequency driver that incorporates motor and suspension technology providing **robust protection** against damage from over excursion
- Target **throw distance of 19 meters** to reference listening position
- **Top of cabinet** advanced input plate featuring high-current, spring-loaded terminal block and for easy tool-free wiring
- **Beautiful Dolby design** is employed achieving a rich and elegant auditorium look minimizing reflection of projector beam or ambient light



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)

SPECIFICATIONS/

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

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

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

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

*Specifications are subject to change without notice.

This documentation applies to Model CID 1031



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