



Product Technical Data Sheet

# Model S8R

## Description

The S8R is a full-range 8" two-way world class studio monitor. It also serves as a multipurpose loudspeaker enclosure that offers high SPL at very low distortion.

This speaker features the high performance PRD500 planar ribbon high-frequency transducer designed and manufactured by SLS Loudspeakers. The unique design and properties of the planar ribbon driver allows for very clear delivery and transient accuracy even at the limits of its performance.

The PRD500 is contained within a 120-degree die cast aluminum waveguide that can be rotated 90-degrees within the cabinet. The waveguide also eliminates edge diffraction from the sides of the cabinet.

The low frequency section uses a single high-powered 8" driver designed with an integral phase plug and aluminum voice coil former for higher power handling.

The audiophile crossover utilizes high quality heavy gauge air core inductors and polypropylene capacitors.



## Key Features:

- PRD500 ribbon high-frequency driver delivers unsurpassed sound quality
- Open and clear sound at high SPL due to advanced transducer technology
- Rear Mounted Attachment Points for 3rd Party Hardware
- Bi-Wire Capability
- Extensively braced MDF cabinet construction

| Product Specifications                      |                                      |
|---|--------------------------------------|
| Operating Range <sup>1</sup>                | 37Hz - 40,000Hz                      |
| Sensitivity (1W/1M) <sup>2</sup>            | 89dB                                 |
| Horizontal Coverage Angle -6dB <sup>3</sup> | 120 Degrees                          |
| Vertical Coverage Angle -6dB <sup>3</sup>   | 30 Degrees                           |
| Power Handling <sup>4</sup>                 | 125W RMS (31 Volts) AES/2            |
| Max SPL (calculated) 1 Meter                | 110dBCont. / 116dB Peak              |
| Recommended Amp Power for Max Output        | 250 Watts @ 8 ohms                   |
| Nominal Impedance                           | 8 Ohms                               |
| Crossover Frequency                         | Internal Passive 1500Hz              |
| Transducers - Low Freq.                     | 8" Woofer                            |
| High Freq.                                  | PRD500 Ribbon                        |
| Input                                       | Binding Posts (Bi-Wire Capable)      |
| Dimensions                                  | 19" (48.3cm) H                       |
|   | 10.5" (26.7cm) W                     |
|   | 11.25" (28.6cm) D                    |
| Enclosure                                   | MDF                                  |
| Weight                                      | 25lbs (11.3kg) Shipping 33lbs (15kg) |
| Rigging                                     | 4 Points 1/4"/20 Threaded Inserts    |
| Finish Options                              | Black Latex                          |

## Applications

Developed for studio monitoring where the highest quality and neutrality of sound is required

- Console placement high SPL monitoring
- Installation systems for foreground, delay fill or background music
- Home Theater setups

1. LF at -10dB, HF -6dB 44Hz - 3kHz +/- 1.5dB.  
 2. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in an anechoic environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.  
 3. Averaged from 1000Hz to 10kHz  
 4. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard. IEC stated in RMS voltage according to IEC 268-5



# S8R Drawings

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