



Product Technical Data Sheet

**Model PS8R / PS8RV**

Description

The PS8R is a full-range 8" two-way world-class powered studio monitor utilizing dual Sigma-Delta 1-bit discrete digital amplifiers. These new technology amplifiers combine exceptional sonic performance with over 90% efficiency. They are setting a new standard in small-format, low-heat, high-performance audio amplifiers.

This speaker also 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 allow 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. Rotation of the waveguide provides flexibility for placement of the monitor on studio consoles. 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.

For low-light room requirements the PS8RV was created. This version does not have any front LEDs and the aluminum bezel is removed to reduce reflectivity.

Key Features:

- PRD500 ribbon high-frequency driver delivers unsurpassed sound quality
- Open and clear sound at high SPL due to advanced transducers and Sigma-Delta Amplifier technology
- Frequency Progressive Limiting Circuit
- Selectable 2nd-order 80Hz HPF
- 3rd-order 20Hz sub-sonic filter
- Active crossover with matched filtering to S8R
- LED Status indication for power, protect, peak limit and standby
- 120-degree wide horizontal coverage with rotatable ribbon
- Extensively braced MDF cabinet construction
- PS8RV Version created for low light environments
- 110V / 220V operation (user selectable)



Product Specifications	
Operating Range <sup>1</sup>	36Hz - 40,000Hz
Horizontal Coverage Angle -6dB <sup>2</sup>	120 Degrees
Vertical Coverage Angle -6dB <sup>2</sup>	30 Degrees
Input Sensitivity	1.1V RMS
Max SPL (calculated) 1 Meter	110dBCont. / 116dB Peak
Amplifier Power Low Freq.	270 Watts
Amplifier Power High Freq.	50 Watts
AC Power Consumption	4.3 Amps at rated maximum output 0.2 Amps at idle
Crossover Frequency	Internal 1500Hz
Transducers - Low Freq.	8" Woofer
High Freq.	PRD500 Ribbon
Input	XLR
Dimensions	19" (48.3cm) H 10.5" (26.7cm) W 12.375" (31.4cm) D
Enclosure	MDF
Weight	46.5lbs (21kg) Shipping 51lbs (23kg)
Rigging	None Provided
Finish Options	Black Latex

1. LF at -10dB, HF -6dB 44Hz - 3kHz +/- 1.5dB.  
2. Averaged from 1000Hz to 10kHz

**Applications**

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

- Console placement high SPL monitoring
- Installation systems for foreground or background music
- Home Theater



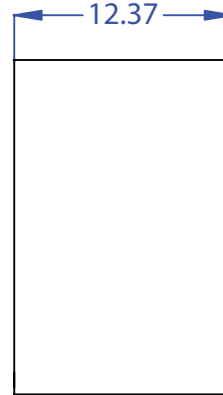
**SUPERIOR LISTENING SYSTEMS**  
AUDIO CLARITY REDEFINED

## PS8R Drawings

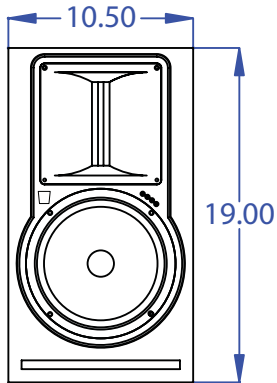
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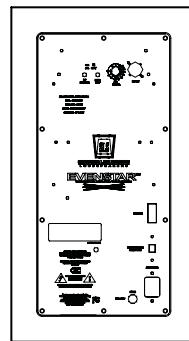
TOP



SIDE



FRONT



BACK