

SRM450 Specifications

System

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| Input Type | Balanced Differential |
| Input Impedance | Line: 20k ohms |
| Input Protection | RFI and level protected |
| Sensitivity | Line: +4 dBu (center detent) Mic: -36 dBu |
| Maximum Input Level | Line: +22 dBu |
| Low-Cut Frequency | 75Hz, Second-order filter |
| Acoustic Contour Equalization | Peaking: +3 dB @ 100Hz +3 dB @ 12kHz |
| Enclosure Alignment | Sixth-Order |
| Over-Excursion Protection | Second-Order High-Pass Filter |
| Thermal Protection | Amplifier shutdown, auto reset |
| Low-Line Voltage Shut Down | 60% Nominal line |
| Frequency Range (-10 dB) | 45Hz - 20KHz |
| Frequency Response (± 3 dB) | 55Hz - 18kHz |
| Maximum Peak SPL @ 1m | 127 dB |
| Low-Freq Crossover | 24 dB/octave, time offset corrected |
| High-Freq Crossover | 24 dB/octave |
| Crossover Frequency | 1.6kHz |
| Driver Protection | Independent LF and HF compressors |
| Low-Freq Roll-Off | Dynamic-signal level dependent |
| Accessory Interface | ± 15 V DC, normalized signal I/O |
| Operating Temperature Range | -10°C to 45° C (14°F to 113°F) |

Transducer

Low-Frequency Transducer:

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|-----------------|---------------|
| Diameter | 300mm (12") |
| Power Handling | 450 watts RMS |
| Frequency Range | 45Hz - 3kHz |

Hi-Frequency Driver and Horn:

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|----------------------|------------------------------------|
| Diaphragm Diameter | 44mm (1.75") |
| Exit Throat Diameter | 25mm (1") |
| Diaphragm Material | Titanium |
| Sensitivity (1W@1m) | 106 dB |
| Power Handling | 100 watts RMS |
| Frequency Range | 1kHz - 20kHz |
| Horn Type | Composite: Exponential and Conical |
| Mouth Size | 305mm (12") W x 178mm (7") H |

Horn Coverage :

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|---------------------|-----|
| Horizontal Coverage | 90° |
| Vertical Coverage | 45° |

Power Amplifier and System

Low-Frequency Power Amplifier:

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|-------------|------------------------------------|
| Rated Power | 300 watts RMS |
| Rated THD | < 0.1% |
| Cooling | Convection Extrusion |
| Design | Class G, Parametric Servo Feedback |

High-frequency amplifier:

| | |
|-------------|---|
| Rated Power | 100 watts @ High-Frequency Driver Impedance |
| Rated THD | < 0.1% |
| Cooling | Convection Extrusion |
| Design | Conventional Class AB |

Line Input Power

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|--------|---------------|
| US | 120V, 60Hz |
| Europe | 230V, 50Hz |
| Japan | 100V, 50/60Hz |

Physical Properties

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|--------------------|---------------------------------|
| Height | 660mm (26") |
| Width | 390mm (15.4") |
| Depth | 376mm (14.8") |
| Weight | 23.2kg (51 lbs.) |
| Enclosure Geometry | Asymmetrical Trapezoidal |
| Mounting Methods | Integrated mounting points, M10 |

Since we're always striving to make our stuff better by incorporating new and improved materials, components and manufacturing methods, we reserve the right to change these specifications at any time without notice.

