

# Mackie SRM650 Specs

## Acoustic

Frequency Response:  
50 Hz to 17 kHz (-3 dB)  
39 Hz to 20 kHz (-10 dB)  
Maximum Peak SPL: 133 dB  
Crossover Point: 3 kHz  
Dispersion: 90 x 50°

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## Section

High-Frequency:  
Voice Coil Diameter: 1" (25 mm)  
Horn Entry Diameter: 1.4" (36.0 mm)  
Diaphragm Material: Titanium  
Magnet Material: Ferrite

Low-Frequency: Woofer Diameter 15"  
(381.0 mm)  
Voice Coil Diameter 3.0" (76.0 mm)  
Diaphragm Material: Paper  
Magnet Material: Ferrite

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## Amplifier

System Power Amplification:  
Rated Power:  
800 W RMS  
1600 W peak

Low Frequency & High Frequency  
Power Amplifier:  
Rated Power:  
400 W RMS  
800 W peak

Rated THD: < 1%

Cooling: Convection

Design: Class D

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|-----------------------|---|
| Input/Output          | Channel 1:<br>Microphone-Line: 8 kOhms balanced<br>1/4" TRS, Wide-Z: 1 MOhm<br>unbalanced<br><br>Channel 2:<br>Microphone-Line: 8 kOhms balanced<br>1/4" TRS, Wide-Z: 1 MOhm<br>unbalanced<br>RCA: 25 kOhms unbalanced<br><br>Thru:<br>Male XLR balanced<br>Passive when the channel 1 / mix<br>switch is in the out (channel 1)<br>position<br>Active when the channel 1 / mix<br>switch is in the in (Mix) position |
| Power                 | US Detachable Line Cord: 90 to 130<br>VAC, 60 Hz, 200 W<br>AC Connector: 3-pin IEC 250 VAC<br>Power Supply Type: Switch mode  |
| Operating Temperature | 32 to 104°F (0 to 40°C)   |
| Safety                | Input Protection: Peak and RMS<br>limiting, power supply, and amplifier<br>thermal protection   |
| LEDs                  | Defeatable front power ON (running<br>man logo)<br>Front load power limiter<br>Speaker mode<br>Feedback destroyer<br>Input signal   |
| Construction          | Cabinet: 15 mm Poplar<br>Finish: High-durability black paint  |

Handles: One on each side  
Grille: Powder-coated 18 gauge steel  
Fly Points: Three M10 x 1.5 x 37.0 mm  
Monitor Angle: 60°

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Mounting Method Floor mount, pole mount, or fly ⓘ

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Dimensions (H x W x D) 23.0 x 14.2 x 14.9" (585.0 x 360.0 x 377.0 mm)

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Weight 37.0 lb (16.8 kg)

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## Packaging Info

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Package Weight 61 lb

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Box Dimensions (LxWxH) 29.5 x 22 x 21.5"

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