SRM 1600W High-Definition Powered Loudspeakers deliver a new level of SRM ruggedness, clarity and simplicity with unmatched bass response. Huge system power is paired with custom transducers within professional-grade, internally-braced all-wood cabinets that are “Built-Like-A-Tank”.

These SRM loudspeakers feature our High Definition Audio Processing™, including patented acoustic correction DSP, plus system optimization tools like application-specific speaker modes and an amazingly accurate feedback destroyer.

Ready for anything, the integrated 2-channel mixer with Wide-Z™ inputs can handle any signal with ease. These SRM loudspeakers deliver the high output, amazing sound and proven durability you demand for your professional PA system.

**FEATURES:**

- **SRM550**
  12" 2-Way Powered Loudspeaker

- **SRM650**
  15" 2-Way Powered Loudspeaker

- **SRM750**
  2 x 15" 2-Way Powered Loudspeaker

1600W system power paired with custom transducers deliver gig-level volumes with room to spare
- 12" high-output LF driver / 1.4" titanium dome compression driver [SRM550]
- 15" high-output LF driver / 1.4" titanium dome compression driver [SRM650]
- 2 x 15" high-output LF driver / 1.4" titanium dome compression driver [SRM750]

“Built-Like-A-Tank” all-wood, internally braced cabinet delivers professional-grade road-worthiness
- Rugged 18-gauge steel grille and fine-textured, sleek black cabinet finish
- Front ported for maximum low-end extension and punch

High-Definition Audio Processing for professional sound with unmatched clarity
- Patented acoustic correction developed with touring geniuses at EAW®
- Precision 2-way digital crossover
- Driver time alignment and phase correction

Quick one-button Speaker Mode selection for application-specific voicing (PA, DJ, Monitor, Soloist), (PA, DJ, Fill, Speech – SRM750 only)

Effortlessly eliminate nasty feedback with one-button automatic Feedback Destroyer

Integrated 2-channel mixer featuring dual Wide-Z™ inputs
- Handles anything from mics to guitars to mixers with a single twist of the gain knob
- Includes stereo RCA inputs for easy connection to music source
- Perfect for the singer/songwriter, plug in and leave the mixer at home

Smart Protect™ DSP kicks in to protect your investment when things get pushed a little too hard

Flyable via standard M10 eyebolts

Monitor-specific 60° angle and voicing mode perfect for cutting through on stage [SRM550 / SRM650]
SRM LOUDSPEAKER SPECIFICATIONS

Acoustic Performance

| Frequency Response (-3 dB) | 55 Hz – 17 kHz [SRM550] | 50 Hz – 17 kHz [SRM650] | 42 Hz – 20 kHz [SRM750] |
| Frequency Response (-10 dB) | 49 Hz – 20 kHz [SRM550] | 39 Hz – 20 kHz [SRM650] | 37 Hz – 20 kHz [SRM750] |
| Crossover Point | 3 kHz |
| Dispersion | 90˚ x 50˚ |

High-Frequency Section

| Voice Coil Diameter | 1.0 in / 25 mm |
| Horn Entry Diameter | 1.4 in / 36 mm |
| Diaphragm Material | Titanium |
| Magnet Material | Ferrite |

Low-Frequency Section

| Woofer Diameter | 12.0 in / 305 mm [SRM550] | 15.0 in / 381 mm [SRM650] |
| Voice Coil Diameter | 2.6 in / 66 mm [SRM550] | 3.0 in / 76 mm [SRM650] | 2.5 in / 64 mm [SRM750] |
| Diaphragm Material | Paper |
| Magnet Material | Ferrite |

Power Amplifiers

System Power Amplification

- Rated Power: 800 watts rms, 1600 watts peak

Low Frequency Power Amplifier

- Rated Power: 400 watts rms, 800 watts peak
- Rated THD: < 1%
- Cooling: Convection
- Design: Class D

High Frequency Power Amplifier

- Rated Power: 400 watts rms, 800 watts peak
- Rated THD: < 1%
- Cooling: Convection
- Design: Class D

Input / Output

| Channel 1 | Mic-Line 8 kΩ balanced |
| 1/4" TRS, Wide-Z™ 1 MΩ unbalanced |
| Channel 2 | Mic-Line 8 kΩ balanced |
| 1/4" TRS, Wide-Z™ 1 MΩ unbalanced |
| RCA 25 kΩ unbalanced |
| Thru Male XLR balanced |
| [Passive when the Ch 1 / Mix switch is in the “out” (Ch 1) position] |
| [Active when the Ch 1 / Mix switch is in the “in” (Mix) position] |

Power

- US detachable line cord 100 – 120 VAC, 50 – 60 Hz, 200W
- EU detachable line cord 200 – 240 VAC, 50 – 60 Hz, 200W
- AC Connector 3-pin IEC 250 VAC
- Power Supply Type Switchmode
- Operating Temperature 0 - 40 °C [extended ambient temperature] 32 - 104 °F

Safety Features

- Input Protection Peak and RMS limiting, power supply and amplifier thermal protection
- Display LEDs Defeatable front power ON (Running Man logo), Front load power limiter, Speaker Mode, Feedback Destroyer, input signal

Construction Features

- Cabinet 15 mm Poplar
- 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 mm [SRM550 / SRM650] Ten M10 x 1.5 x 37 mm [SRM750]
- Monitor Angle 60° [SRM550 / SRM650]
## Mounting Methods

Floor mount, pole mount or fly via integrated M10 mounting points (using M10 x 1.5 x 37 mm forged shoulder eyebolts).

### Physical Properties (packaged product)

<table>
<thead>
<tr>
<th>Model</th>
<th>SRM550</th>
<th>SRM650</th>
<th>SRM750</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>24.7 in / 627 mm</td>
<td>28.9 in / 734 mm</td>
<td>45.3 in / 1151 mm</td>
</tr>
<tr>
<td>Width</td>
<td>18.3 in / 465 mm</td>
<td>21.9 in / 556 mm</td>
<td>23.7 in / 602 mm</td>
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<tr>
<td>Depth</td>
<td>18.9 in / 480 mm</td>
<td>22.0 in / 559 mm</td>
<td>23.7 in / 602 mm</td>
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<tr>
<td>Weight</td>
<td>44 lb / 20 kg</td>
<td>55 lb / 24.9 kg</td>
<td>99 lb / 44.9 kg</td>
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<table>
<thead>
<tr>
<th>Model</th>
<th>SRM550</th>
<th>SRM650</th>
<th>SRM750</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>23.0 in / 585 mm</td>
<td>23.7 in / 602 mm</td>
<td>42.5 in / 1080 mm</td>
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<tr>
<td>Width</td>
<td>14.2 in / 360 mm</td>
<td>17.5 in / 445 mm</td>
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<tr>
<td>Depth</td>
<td>14.9 in / 377 mm</td>
<td>17.4 in / 441 mm</td>
<td>18.0 in / 458 mm</td>
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<tr>
<td>Weight</td>
<td>37 lb / 16.8 kg</td>
<td>46 lb / 21 kg</td>
<td>89 lb / 40.4 kg</td>
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</table>

### Options

- PA-A2 Forged Shoulder Eyebolt Kit (3 x M10 x 1.5 x 37 mm) P/N 0028272
- SPM200 Loudspeaker Pole Mount P/N 2035170-01
- SRM550 Loudspeaker Cover P/N 2036809-22
- SRM650 Loudspeaker Cover P/N 2036809-23
- SRM750 Loudspeaker Cover P/N 2036809-26

### Ordering Information

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<tr>
<th>Model</th>
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<td>SRM550 1600W 12&quot; Powered Loudspeaker, AU</td>
<td>P/N 2037992-04</td>
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<td>SRM550 1600W 12&quot; Powered Loudspeaker, CN</td>
<td>P/N 2037992-05</td>
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<td>SRM550 1600W 12&quot; Powered Loudspeaker, BZ (120V)</td>
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<td>P/N 2043139-04</td>
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<td></td>
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<td>P/N 2043139-05</td>
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<td></td>
<td>SRM750 1600W 2x 15&quot; Powered Loudspeaker, BZ (120V)</td>
<td>P/N 2043139-06</td>
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<tr>
<td></td>
<td>SRM750 1600W 2x 15&quot; Powered Loudspeaker, BZ (230V)</td>
<td>P/N 2043139-16</td>
</tr>
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</table>
NOTES:
1. SYMBOL INDICATES CENTER OF BALANCE.
2. WEIGHT APPROX. 37 lb [16.8 kg].
3. SHIPPING WEIGHT APPROX. 44 lb [20 kg].

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SRM650 LOUDSPEAKER DIMENSIONS

NOTES:
1. SYMBOL ✂ INDICATES CENTER OF BALANCE.
2. WEIGHT APPROX. 46 lb [21 kg].
3. SHIPPING WEIGHT APPROX. 55 lb [24.9 kg].

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS ARE IN INCHES
DUAL [MM] DIMENSIONS
FOR REF ONLY
TOLERANCE IN INCHES
LINEAR ± 0.13 in / ± 3.3 mm
ANGLES ± 1°
(X.XX) = REF DIMS
NO TOLERANCE IMPLIED
TSC = THEORETICAL SHARP CORNER
DIMENSIONS ACROSS CENTERLINES
TO BE SYMMETRICAL

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NOTES:
1. SYMBOL • INDICATES CENTER OF BALANCE.
2. WEIGHT APPROX. 89 lb [40.4 kg].
3. SHIPPING WEIGHT APPROX. 99 lb [44.9 kg].

ONE ANGLE PROJECTION

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UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES DUAL [MM] DIMENSIONS FOR REF ONLY
TOLERANCE IN INCHES LINEAR ± 0.13 in / ± 3.3 mm
ANGLES ± 1°
(XX.XX) = REF DIMS NO TOLERANCE IMPLIED TSC = THEORETICAL SHARP CORNER DIMENSIONS ACROSS CENTERLINES TO BE SYMMETRICAL

SRM750 LOUDSPEAKER DIMENSIONS
SRM LOUDSPEAKER REAR PANEL

SRM550 / SRM650 REAR PANEL

SRM750 REAR PANEL
3 FLY POINTS [SRM550 / SRM650]

MP = Mounting Point

10 FLY POINTS [SRM750]

MP = Mounting Point
**SRM750 LOUDSPEAKER FREQUENCY RESPONSE EQ DESCRIPTIONS**

- **PA Speaker Mode** – This mode is full range, but focuses on mid-range clarity where vocals often reside.

- **Fill Speaker Mode** – This mode features a mild low frequency roll-off to ensure minimal on stage low frequency build-up while providing a rich full range response with plenty of mid-high cut through. This plug-and-play mode is perfect for on stage monitor side fill applications, as well as when facing audience areas where a main FOH rig with subwoofers is present.

- **DJ Speaker Mode** – This mode bumps the lows and highs with a mild tuck to the mids, perfect for music playback.

- **Speech Speaker Mode** – This mode features a significant low frequency roll-off to get rid of unwanted thumps. It also adds boost and sparkle to mid-range and high frequencies, critical for speech applications. This plug-and-play mode is perfect for larger venue applications where speech is the primary audio source in need of clear and precise intelligibility.

**SRM750 LOUDSPEAKER FREQUENCY RESPONSE**
SRM550 / SRM650 LOUDSPEAKER FREQUENCY RESPONSE EQ DESCRIPTIONS

- **PA Speaker Mode** – This mode is full range, but focuses on mid-range clarity where vocals often reside.

- **Soloist Speaker Mode** – This mode features a low frequency roll-off to get rid of unwanted thumps and adds boost and sparkle to mid-range and high frequencies. This mode is perfect for plug-and-play singer-songwriters.

- **DJ Speaker Mode** – This mode bumps the lows and highs with a mild tuck to the mids, perfect for music playback.

- **Monitor Speaker Mode** – This mode features a low frequency roll-off and a reduction around 2 kHz to ensure maximum gain before feedback in monitor applications.

SRM550 / SRM650 LOUDSPEAKER FREQUENCY RESPONSE

**SRM550 LOUDSPEAKER FREQUENCY RESPONSE**

**SRM650 LOUDSPEAKER FREQUENCY RESPONSE**

LOUD Technologies Inc. is always striving to improve our products by incorporating new and improved materials, components, and manufacturing methods. Therefore, we reserve the right to change these specifications at any time without notice.

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Electronic files for this product are available at:
www.mackie.com

Specification Sheet  SRM_Loudspeakers_SS.PDF
Owner’s Manual  SRM_Loudspeakers_OM.PDF

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