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Mackie SRM150

Mackie SRM150 Compact Active PA System User Manual

Model: SRM150

Introduction

The Mackie SRM150 Compact Active PA System is a versatile and portable audio solution designed for a wide range of applications, from live music performances to public speaking engagements. This compact unit features a built-in mixer, powerful amplification, and robust construction, delivering professional sound quality in a highly portable package.

Safety Information

Please read and understand all safety instructions before operating the SRM150. Retain this manual for future reference.

- **Power Source:** Connect the unit only to the specified power supply as indicated on the product.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation openings.
- **Water and Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids on the unit.
- **Heat:** Keep the unit away from heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cleaning:** Clean only with a dry cloth. Disconnect from power before cleaning.
- **Servicing:** Refer all servicing to qualified service personnel. Do not attempt to service this product yourself.

Setup

The SRM150 is designed for quick and easy setup. Follow these steps to get started:

1. **Unpacking:** Carefully remove the SRM150 from its packaging. Inspect for any signs of damage.
2. **Placement:** The SRM150 can be placed on a tabletop or mounted on a microphone stand. For tabletop use, ensure a stable, flat surface.
3. **Microphone Stand Mounting:** The unit features an integral mic stand integration system. Insert the included mic stand adapter into the top socket and secure it. This allows the SRM150 to be mounted directly onto a standard microphone stand for optimal sound projection and monitoring.
4. **Power Connection:** Connect the supplied power cable to the IEC power inlet on the rear panel of the SRM150 and then to a grounded AC outlet.



Figure 1: Front view of the Mackie SRM150, highlighting its compact design and control panel.

Connections and Controls

The SRM150 features a comprehensive 3-channel mixer with versatile input options and intuitive controls.

Input Channels

- **Channels 1 & 2 (MIC/LINE):** These channels feature combo XLR/TRS inputs, allowing connection of microphones (XLR) or line-level instruments (1/4-inch TRS).
- **Phantom Power:** A switch is provided to enable 48V phantom power for condenser microphones on Channels 1 and 2.
- **Instrument (CH 1):** Channel 1 includes an instrument-level switch, effectively a built-in direct box, for direct connection of acoustic guitars or other instruments.
- **Channel 3 (Stereo RCA/1/4-inch):** This stereo channel is ideal for connecting playback devices such as CD players, MP3 players, or other line-level stereo sources using dual RCA or 1/4-inch inputs.

EQ Section

The 3-band EQ allows for precise tonal shaping of the overall mix:

- **HIGH (12kHz):** Adjusts the high-frequency content.
- **MID (2.5kHz):** Adjusts the mid-range frequency content.
- **LOW (100Hz):** Adjusts the low-frequency content.

Main Level

The MAIN LEVEL knob controls the overall output volume of the SRM150.

Rear Panel Connections

The rear panel provides additional connectivity for expanded systems:

- **Main Line Input:** An XLR input for connecting a larger mixer or another line-level source.
- **Through Output:** An XLR output that provides a pass-through of the main mix, allowing you to link multiple SRM150 units or send the mixed signal to another PA system. This output features a Mic/Line switch to adjust the output level.

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Video 1: Product Overview of the Mackie SRM150, demonstrating its features and connectivity options.

Operating Instructions

To achieve optimal sound and performance from your SRM150, follow these general operating guidelines:

1. **Power On Sequence:** Always ensure all input sources are connected and their individual volume levels are set to minimum before powering on the SRM150. Power on the SRM150 last in your audio chain.
2. **Connecting Sources:**
    - For microphones, use XLR cables and enable Phantom Power if using condenser mics.
    - For instruments like acoustic guitars, use a 1/4-inch cable and engage the "INSTRUMENT (CH 1)" switch.
    - For playback devices, use RCA or 1/4-inch cables into Channel 3.
3. **Setting Levels:** Gradually increase the individual channel level knobs for each connected source until a desired input level is achieved. Then, slowly raise the MAIN LEVEL knob to reach your desired overall volume. Monitor for any distortion.
4. **Using EQ:** Adjust the HIGH, MID, and LOW EQ knobs to tailor the sound to your preference and the acoustic environment. A flat setting (12 o'clock) provides a neutral response.
5. **Power Off Sequence:** Before powering off, reduce the MAIN LEVEL knob to minimum. Power off the SRM150 first in your audio chain.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your SRM150:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the unit. Do not use abrasive cleaners, waxes, or solvents.
- **Storage:** When not in use, store the SRM150 in a cool, dry place, away from direct sunlight and extreme temperatures. If transporting, use appropriate protective cases.
- **Inspection:** Periodically check cables and connections for wear or damage. Ensure all knobs and switches operate smoothly.

Troubleshooting

If you encounter issues with your SRM150, consult the following table for common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No Sound Output	Unit not powered on. Main Level or channel levels are too low. Input cable faulty or disconnected. Incorrect input selected (e.g., instrument switch off for instrument).	Check power switch and power cable connection. Increase MAIN LEVEL and individual channel levels. Verify all cables are securely connected and functional. Ensure correct input settings for your source.
Distorted Sound	Input level too high. MAIN LEVEL too high. Faulty cable or source.	Reduce individual channel levels. Reduce MAIN LEVEL. Test with different cables and sources.
Feedback (High-pitched squeal)	Microphone too close to speaker. Microphone gain too high. EQ settings (especially HIGH/MID) are boosted too much.	Reposition microphone further from the speaker. Reduce microphone channel level. Cut (reduce) HIGH and/or MID EQ frequencies.

Specifications

- **Output Wattage:** 150 Watts
- **Speaker Size:** 5.25 Inches (Woofer Diameter)
- **Speaker Type:** Compact Active PA System
- **Connectivity Technology:** XLR, RCA, Bluetooth
- **Control Method:** App (as per product specifications)
- **Item Weight:** 7.6 Pounds
- **Product Dimensions:** 6.8 x 11.2 x 8 inches
- **Included Components:** Mackie SRM150 speaker system, built-in mixer, top carry handle, integral aluminum heat sink, mic stand integration system, power cable, user manual.
- **Color:** Black
- **Model Name:** SRM150
- **Manufacturer:** Loud Technologies, Inc.
- **Date First Available:** July 16, 2004

Warranty and Support

The Mackie SRM150 Compact Active PA System comes with a Limited Warranty. For detailed warranty information, including terms, conditions, and registration, please refer to the official Mackie website or the warranty card included with your product.

For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact Mackie Customer Support through their official channels. Keep your purchase receipt and product serial number handy when contacting support.

Additional resources, including FAQs and software/firmware updates (if applicable), may be available on theMackie Store on Amazon.

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