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› Memphis SRXE12SA 12-inch Powered Subwoofer Instruction Manual

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Model: SRXE12SA

INTRODUCTION

The Memphis SRXE12SA is an all-in-one bass system designed to integrate powerful bass into any vehicle audio setup. This unit features a single 12-inch subwoofer housed in a vented enclosure, powered by an integrated 300-watt amplifier. It includes customizable RGB LED lighting and a convenient bass knob for user control. This manual provides essential information for the proper installation, operation, and maintenance of your SRXE12SA subwoofer system.

PRODUCT OVERVIEW



Figure 1: Front and side view of the Memphis SRXE12SA 12-inch powered subwoofer enclosure, highlighting the woofer and vented port.

WHAT'S IN THE BOX

- Memphis SRXE12SA Powered 12-inch Subwoofer Enclosure
- Remote Bass Knob
- Wiring Harnesses (Power, Ground, Remote, High-Level Input)
- Mounting Hardware
- User Manual (this document)

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a professional car

audio installer.

1. Mounting Location

Select a secure and stable location in your vehicle, typically the trunk or cargo area. Ensure the enclosure is firmly mounted to prevent movement during driving. Allow adequate space for ventilation around the amplifier panel.

2. Power Connections

Connect the power wiring as follows:

- **Power (B+):** Connect to the positive terminal of your vehicle's battery using an appropriate gauge wire and an inline fuse (not included, recommended 30A).
- **Ground (GND):** Connect to a clean, unpainted metal surface of the vehicle chassis. Ensure a solid, low-resistance connection.
- **Remote (REM):** Connect to the remote turn-on output of your head unit. Alternatively, the unit supports DC sensing for automatic turn-on if a remote wire is not available.

3. Audio Input

The SRXE12SA supports both RCA (low-level) and high-level inputs:

- **RCA Input:** Connect RCA cables from your head unit's subwoofer or pre-amp output to the RCA inputs on the SRXE12SA amplifier panel.
- **High-Level Input:** If your head unit does not have RCA outputs, use the supplied high-level input harness. Connect the speaker wires from your head unit's speaker outputs to the corresponding wires on the harness.

4. Remote Bass Knob

Connect the included remote bass knob to the designated port on the amplifier panel. Mount the knob in an easily accessible location for convenient bass level adjustment.

5. RGB LED Illumination

The SRXE12SA features a built-in switch to select from 7 preset color options. For unlimited color possibilities and advanced control, you can pair the unit with an optional Memphis MXRRGBBTC LED controller (sold separately).



Figure 2: Rear amplifier control panel with power, input, and control connections.

OPERATING INSTRUCTIONS

1. Initial Power On

Once all connections are secure, turn on your vehicle's ignition and head unit. The subwoofer should power on, indicated by the LED on the amplifier panel.

2. Adjusting Settings

The SRXE12SA features several adjustable controls on its amplifier panel to fine-tune the bass output to your preference and vehicle acoustics:

- **Variable LP 12dB Filter (Low Pass Filter):** Adjust this knob (50Hz-200Hz) to control the upper frequency limit of the subwoofer. Set it to blend smoothly with your main speakers, typically around 80-100Hz.

- **Variable Bass Boost:** Use this control (0-12dB) to enhance the bass output at a specific frequency. Adjust carefully to avoid distortion.
- **Phase Switch (0-180 degrees):** This switch helps to align the subwoofer's output with your main speakers. Experiment with both settings to find the one that provides the most impactful and coherent bass.
- **Gain Control:** Adjust this to match the output level of your head unit. Start with the gain at minimum and slowly increase it until the bass blends well without distortion.

3. Using the Remote Bass Knob

The remote bass knob provides convenient, real-time adjustment of the subwoofer's output level from your driving position. This allows you to quickly increase or decrease bass intensity as needed for different music genres or listening preferences.

4. RGB LED Color Selection

Utilize the built-in switch on the enclosure to cycle through the 7 available preset RGB LED colors. If you have an optional MXRRGBBTC controller, refer to its manual for advanced color customization and effects.

MAINTENANCE

- **Cleaning:** Periodically wipe the enclosure with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Connections:** Regularly check all power, ground, and signal connections to ensure they are secure and free from corrosion.
- **Ventilation:** Ensure that the amplifier panel and enclosure vents are not obstructed to prevent overheating.
- **Environment:** Protect the subwoofer from extreme temperatures, direct sunlight, and moisture.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound from Subwoofer	• No power to the amplifier. • Incorrect audio input connection. • Gain set too low. • Head unit settings incorrect.	• Check power, ground, and remote connections. Verify inline fuse. • Ensure RCA or high-level inputs are correctly connected. • Increase gain control on the amplifier. • Check head unit's subwoofer output and volume settings.
Distorted Sound	• Gain set too high. • Bass boost set too high. • LP filter set too high or too low. • Poor quality audio source.	• Reduce gain control. • Lower bass boost. • Adjust LP filter for smoother blend. • Use a higher quality audio source.
Subwoofer Not Turning On	• No remote signal. • Blown fuse. • Faulty power connection.	• Check remote wire connection or ensure DC sensing is active. • Replace fuse if blown (use correct amperage). • Verify power and ground connections are secure.

SPECIFICATIONS

Model	SRXE12SA
Woofer Size	12 Inches
Amplifier Power (RMS)	300 Watts
Speaker Maximum Output Power	600 Watts
Enclosure Type	Vented (Ported)
Dimensions (L x H x D)	16.75" x 15.75" x 15" (Depth at bottom: 15")
Item Weight	41.9 Pounds
LP Filter	Variable 12dB (50Hz-200Hz)
Bass Boost	Variable (0-12dB)
Phase Switch	0-180 degrees
Inputs	RCA, High-Level
Turn-On Options	DC Sensing, Remote (REM)
RGB LED Illumination	7 preset colors (expandable with optional MXRRGBBTC)

WARRANTY AND SUPPORT

The Memphis SRXE12SA Powered Subwoofer is covered by a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or product support, please contact Memphis Audio customer service. Keep your proof of purchase for warranty validation.

Contact Information: Refer to the official Memphis Audio website or your product packaging for the most current contact details.

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