

Memphis SRXE12DP

Memphis SRXE12DP Dual 12" SRX Vented Bass Package with SRX600.1V Amplifier User Manual

Model: SRXE12DP

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Memphis SRXE12DP Dual 12" SRX Vented Bass Package with SRX600.1V Amplifier. This all-in-one system is designed to deliver powerful and clear bass performance in your vehicle. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION

- **Professional Installation Recommended:** Due to the complexity of car audio wiring and potential for electrical hazards, professional installation is highly recommended.
- **Power Disconnection:** Always disconnect the vehicle's negative battery terminal before beginning any installation or wiring.
- **Proper Wiring:** Ensure all wiring is correctly connected and insulated to prevent short circuits and damage to the equipment or vehicle. Use appropriate gauge wire for power and ground connections.
- **Ventilation:** Ensure the amplifier has adequate ventilation to prevent overheating. Do not mount in enclosed spaces without airflow.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume to a safe and comfortable level.
- **Secure Mounting:** Securely mount the subwoofer enclosure and amplifier to prevent movement during vehicle operation, which could cause injury or damage.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- SRXE12DP Dual 12" Vented Subwoofer Enclosure
- SRX600.1V Monoblock Amplifier
- Remote Bass Knob
- Mounting Hardware (screws, brackets, etc. - *may vary*)

- User Manual (this document)

4. SETUP AND INSTALLATION

The Memphis SRXE12DP bass package is designed for flexible integration into various vehicle audio systems. Follow these general steps for installation. Consult a professional installer if you are unsure about any part of the process.

4.1. Subwoofer Enclosure Overview



Image: Front view of the Memphis SRXE12DP dual 12-inch vented subwoofer enclosure. This shows the two 12-inch subwoofers and the central vented port.



Image: Close-up of the front vented port on the subwoofer enclosure. This port is precision-tuned to maximize airflow and enhance low-end performance.

The SRXE12DP enclosure features two 12-inch SRX subwoofers within a precision-tuned, front-ported wooden enclosure. This design optimizes airflow for deep, punchy bass. The enclosure also includes built-in RGB LED illumination on the front panel.

4.2. SRX600.1V Amplifier Overview



Image: Top view of the Memphis SRX600.1V monoblock amplifier. This amplifier delivers 600 watts RMS to power the subwoofers.

The SRX600.1V amplifier is matched to the subwoofers, providing 600 watts RMS. It features various controls for fine-tuning your audio output.

4.3. Wiring Connections

The amplifier supports both RCA (low-level) and high-level inputs for compatibility with various head units.



Image: Input and output terminals of the SRX600.1V amplifier. This view shows the power input, remote turn-on, ground, and speaker

output terminals.

1. **Power Connection:** Connect the main power wire from the vehicle's battery (with an inline fuse) to the +12V terminal on the amplifier.
2. **Ground Connection:** Connect a short, heavy-gauge wire from the GND terminal on the amplifier to a clean, unpainted metal surface on the vehicle chassis.
3. **Remote Turn-On:** Connect a remote turn-on wire from your head unit to the REM terminal on the amplifier.
4. **Speaker Output:** Connect the subwoofer enclosure's speaker wires to the SPEAKER OUTPUT terminals on the amplifier. Ensure correct polarity.
5. **Audio Input:**
 - *RCA Input:* Connect RCA cables from your head unit's subwoofer output to the LINE INPUT (RCA) jacks on the amplifier.
 - *High-Level Input:* If your head unit does not have RCA outputs, use the high-level input. Connect the speaker wires from your head unit to the HI INPUT terminals on the amplifier.

4.4. Amplifier Adjustments



Image: Control panel of the SRX600.1V amplifier. This shows the various adjustment knobs and switches for tuning the audio output.

The SRX600.1V amplifier includes controls to fine-tune the bass output:

- **Level (Gain):** Adjusts the input sensitivity of the amplifier to match the output of your head unit. Start low and gradually increase until distortion is heard, then back off slightly.
- **Variable Low-Pass Filter (LPF):** Sets the upper frequency limit for the subwoofer. Typically set between 80Hz and 120Hz to blend with your main speakers.
- **Bass Boost:** Provides an adjustable boost at a specific bass frequency. Use sparingly to avoid distortion.
- **Phase Switch (0-180 degrees):** Adjusts the phase of the subwoofer output relative to your main speakers. Experiment with both settings to find the one that provides the most impactful bass.
- **Subsonic Filter:** Filters out extremely low frequencies that are inaudible and can waste amplifier power.

4.5. RGB LED Illumination



Image: Close-up of the RGB LED illumination on the subwoofer enclosure. The Memphis logo lights up, offering customizable aesthetics.

The built-in RGB LED illumination on the enclosure can be hardwired to a static color or connected to an optional MXRGBBTC controller (sold separately) for dynamic, full-spectrum effects. Refer to the MXRGBBTC controller manual for detailed setup if using that accessory.

4.6. Remote Bass Knob

Connect the included remote bass knob to the amplifier's REMOTE port. This allows for convenient bass level adjustments from the driver's seat without needing to access the amplifier directly.

5. OPERATING INSTRUCTIONS

Once the system is properly installed and configured:

1. Turn on your vehicle's ignition and head unit. The amplifier should power on automatically via the remote turn-on wire.
2. Start with the amplifier's gain (level) control at its minimum setting and the head unit's volume low.
3. Play a familiar piece of music with strong bass content.
4. Gradually increase the head unit's volume to about 75% of its maximum.
5. Slowly increase the amplifier's gain control until you hear distortion, then reduce it slightly until the sound is clean.
6. Adjust the low-pass filter, bass boost, and phase switch to achieve the desired bass response and blend with your main speakers. Use the remote bass knob for on-the-fly adjustments.

6. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the enclosure and amplifier. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check all wiring connections to ensure they are secure and free from corrosion.
- **Ventilation:** Ensure the amplifier's cooling fins remain free of dust and debris to maintain proper heat dissipation.

7. TROUBLESHOOTING

If you experience issues with your bass package, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Sound	No power to amplifier; RCA/high-level input not connected; Remote turn-on not connected; Blown fuse.	Check power, ground, and remote connections. Verify inline fuse. Ensure audio input cables are secure.

Problem	Possible Cause	Solution
Distorted Sound	Gain set too high; Bass boost too high; Improper LPF setting; Poor ground connection.	Reduce gain and/or bass boost. Adjust LPF. Check ground connection for cleanliness and security.
Amplifier Overheating	Insufficient ventilation; Impedance too low; Gain set too high.	Ensure amplifier has clear airflow. Check speaker impedance. Reduce gain.
Weak Bass	Phase incorrect; Gain too low; LPF set too low.	Toggle phase switch. Increase gain. Adjust LPF higher.

8. SPECIFICATIONS

Key specifications for the Memphis SRXE12DP Bass Package and SRX600.1V Amplifier:

Feature	Specification
Brand	Memphis
Model Number	SRXE12DP
Speaker Size	Dual 12 Inches
Speaker Maximum Output Power	1200 Watts (Peak)
Amplifier RMS Power	600 Watts
Connectivity Technology	RCA, High-Level Input
Enclosure Material	Wood
Item Dimensions (D x W x H)	36.2"D x 18.1"W x 17.7"H
Item Weight	66.1 Pounds
Compatible Vehicle Type	SUVs, Select Cars, Truck
Built-In Media	SRXE12DP

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This Memphis SRXE12DP Dual 12" SRX Vented Bass Package with SRX600.1V Amplifier is covered by a **1-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, accident, misuse, abuse, neglect, unauthorized modification, or normal wear and tear. Please retain your proof of purchase for warranty claims.

9.2. Customer Support

For technical assistance, warranty service, or general inquiries, please contact Memphis Audio customer support. Refer to the official Memphis Audio website for the most current contact information, including phone numbers and email addresses. When contacting support, please have your product model number (SRXE12DP) and proof of purchase readily available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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