

Memphis SRX12SP

Memphis Audio SRX12SP Amplified Subwoofer User Manual

Model: SRX12SP | Brand: Memphis Audio

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Memphis Audio SRX12SP Amplified 12" Subwoofer. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.

2. SAFETY INFORMATION

WARNING:

- Always disconnect the vehicle's battery negative terminal before installation.
- Ensure all wiring is properly routed and secured to prevent damage or short circuits.
- Do not expose the unit to moisture or extreme temperatures.
- Consult a professional installer if you are unsure about any part of the installation process.
- Operating audio equipment at high volumes for extended periods can cause permanent hearing damage.

3. WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- Memphis Audio SRX12SP Amplified Subwoofer (subwoofer, enclosure with built-in amplifier)
- Wiring Harness
- Remote Bass Control
- User Manual (this document)



Image 3.1: Contents of the SRX12SP package, showing the subwoofer enclosure, wiring harness, and remote bass control.

4. PRODUCT OVERVIEW

4.1. Front View



Image 4.1: Front view of the SRX12SP subwoofer, showcasing the 12-inch speaker with protective grille.

4.2. Rear Panel Controls and Connections



Image 4.2: Detailed view of the rear panel, highlighting the gain control, low-pass filter (LPF), phase switch, power/remote/ground

terminals, and input connections.

The rear panel houses all necessary controls and connections for integrating the subwoofer into your vehicle's audio system. Key features include:

- **GAIN Control:** Adjusts the input sensitivity to match the output of your head unit.
- **LPF (Low-Pass Filter):** Controls the upper frequency limit of the subwoofer's output. Adjustable from 60Hz to 120Hz.
- **PHASE Switch:** Allows you to adjust the phase (0° or 180°) to optimize bass response with other speakers.
- **POWER/REMOTE/GROUND Terminals:** For connecting the subwoofer to the vehicle's power system.
- **RCA Inputs:** For low-level signal input from your head unit.
- **High-Level Inputs:** For connecting to speaker-level outputs from your head unit.
- **FUSE:** Integrated fuse for circuit protection.

5. SETUP AND INSTALLATION

5.1. Mounting Location

Choose a secure and dry location in your vehicle for mounting the subwoofer. Ensure adequate ventilation around the amplifier section. Common locations include the trunk or behind the rear seats.



Image 5.1: Dimensions of the SRX12SP subwoofer: 24"D x 19"W x 14"H, useful for planning installation space.

5.2. Wiring Connections

Follow these steps for proper wiring:

1. **Power Connection (+12V):** Connect a fused power wire directly from the vehicle's positive battery terminal to the +12V terminal on the subwoofer. Use appropriate gauge wire for the power rating.
2. **Ground Connection (GND):** Connect a short, heavy-gauge wire from the GND terminal to a clean, unpainted metal surface on the vehicle's chassis. Ensure a good electrical connection.
3. **Remote Turn-On (REM):** Connect a remote turn-on wire from your head unit's remote output to the REM terminal. This will turn the subwoofer on and off with your head unit.
4. **Signal Input:**
 - **RCA (Low-Level) Input:** Connect RCA cables from your head unit's subwoofer or pre-amp outputs to the RCA inputs on the subwoofer.
 - **High-Level Input:** If your head unit does not have RCA outputs, connect the speaker wires from your head unit to the high-level input terminals on the subwoofer.
5. **Remote Bass Control:** Connect the included remote bass control to the designated port on the subwoofer for convenient bass level adjustment.

6. OPERATION

6.1. Initial Power-Up and Gain Adjustment

1. After all connections are made, reconnect the vehicle's battery.
2. Turn on your head unit. The subwoofer should power on (indicated by a power LED, if present).
3. Set the GAIN control on the subwoofer to its minimum position.
4. Play a familiar piece of music with strong bass content.
5. Slowly increase the GAIN control until you hear distortion, then back it off slightly. The goal is to match the subwoofer's output to the rest of your system without distortion.

6.2. LPF (Low-Pass Filter) Adjustment

The LPF controls the highest frequency the subwoofer will reproduce. Adjust this setting to blend the subwoofer's output seamlessly with your main speakers. A common starting point is 80Hz. If your main speakers are small, you might set the LPF higher (e.g., 100Hz-120Hz). If they are larger, a lower setting (e.g., 60Hz-80Hz) might be appropriate.

6.3. Phase Adjustment

The PHASE switch (0° or 180°) helps ensure the subwoofer's output is in sync with your main speakers. Listen to music with strong bass and switch between 0° and 180°. Choose the setting that provides the loudest and most impactful bass response at your listening position.

6.4. Remote Bass Control

Use the remote bass control to conveniently adjust the subwoofer's output level from your driving position without needing to access the subwoofer directly.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the subwoofer. 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 that the amplifier's heat sink remains clear of obstructions to allow for proper cooling.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Sound from Subwoofer	◦ No power to the amplifier. ◦ Remote turn-on wire not connected or faulty. ◦ Input signal issue (RCA/High-Level). ◦ Gain set too low. ◦ Blown fuse.	◦ Check power and ground connections. ◦ Verify remote wire connection and voltage. ◦ Check RCA/speaker wire connections and head unit output. ◦ Increase GAIN control. ◦ Replace fuse with the correct rating.
Distorted Sound	◦ Gain set too high. ◦ Input signal too strong. ◦ Poor ground connection.	◦ Decrease GAIN control. ◦ Check head unit output level. ◦ Ensure a clean, secure ground connection.
Weak Bass Output	◦ Gain set too low. ◦ LPF set too low. ◦ Phase mismatch.	◦ Increase GAIN control. ◦ Adjust LPF to a higher frequency. ◦ Toggle PHASE switch (0°/180°).

9. SPECIFICATIONS

Feature	Detail
Model Name	SRX12SP
Speaker Type	Subwoofer
Subwoofer Diameter	12 Inches
Woofer Diameter	12 Inches
RMS Power	250 Watts
Speaker Maximum Output Power	500 Watts
Product Dimensions	24"D x 19"W x 14"H
Item Weight	20 pounds
Connectivity Technology	Wired
Input Voltage	120 Volts
Included Components	Subwoofer, enclosure with built-in amplifier

Feature	Detail
Special Feature	Bass Boost
Control Method	Touch
Surround Sound Channel Configuration	2.1

Note: Specifications are subject to change without notice.

10. WARRANTY INFORMATION

Memphis Audio products are designed and engineered to provide years of reliable service. This product comes with a **Limited Warranty** against defects in materials and workmanship under normal use. The specific duration and terms of the warranty may vary by region and product. Please refer to the official Memphis Audio website or contact customer support for detailed warranty information.

What is Covered: Defects in material and workmanship.

What is Not Covered: Damage caused by improper installation, accident, misuse, abuse, neglect, normal wear and tear, or unauthorized modification.

Retain your proof of purchase for warranty claims.

11. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Memphis Audio customer support:

- **Website:** Visit the official [Memphis Audio website](#) for FAQs, product registration, and support resources.
- **Contact Information:** Refer to the website for current phone numbers and email addresses.

When contacting support, please have your product model number (SRX12SP) 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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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.

Submit question