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> Memphis Audio SRX600.1V Amplifier, LL2BE Line Output Converter, and 8GKIT Installation Kit User Manual

Memphis MemphisBDL250212-11

Memphis Audio SRX600.1V Amplifier, LL2BE Line Output Converter, and 8GKIT Installation Kit User Manual

Model: MemphisBDL250212-11

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Memphis Audio bundle, which includes the SRX600.1V Mono Amplifier, LL2BE 2-Channel Line Output Converter, and 8GKIT 8-Gauge Amp Install Kit. Please read this manual thoroughly before installation and use to ensure proper function and safety.

SAFETY INFORMATION

- Always disconnect the vehicle's negative battery terminal before beginning any electrical work.
- Ensure all wiring is properly routed and secured to prevent damage from moving parts or sharp edges.
- Use appropriate gauge wiring as specified in the installation kit and product specifications.
- Install fuses as close to the battery as possible on the main power wire.
- Avoid installing components in locations exposed to excessive heat, moisture, or direct sunlight.
- Consult a professional installer if you are unsure about any part of the installation process.

WHAT'S IN THE BOX

Your Memphis Audio bundle includes the following components:

- Memphis Audio SRX600.1V Mono 1-ohm 600 Watt Amplifier
- Memphis Audio LL2BE 2-Channel Line Output Converter with Digital Bass Restoration
- Memphis Audio 8GKIT 8-Gauge Amp Install Kit (includes 8-gauge pure copper power/ground wire, AFS fuse holder, 17-foot RCA cables, and other installation accessories)

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. Follow these steps carefully.

1. General Wiring Guidelines

- **Power Wire:** Connect the 8-gauge power wire from the 8GKIT directly to the positive terminal of the vehicle's battery. Install the AFS fuse holder within 18 inches (45 cm) of the battery.
- **Ground Wire:** Connect the 8-gauge ground wire from the 8GKIT to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid, low-resistance connection.
- **Remote Turn-On Wire:** Connect a remote turn-on wire from your head unit's remote output to the amplifier's REM terminal. The LL2BE also provides a 12V output with Signal Sense turn-on.

2. SRX600.1V Mono Amplifier Installation



Image Description: Top view of the Memphis Audio SRX600.1V Mono Amplifier, showcasing its black textured aluminum heatsink with red LED accent strips and the Memphis logo.



Image Description: Rear view of the SRX600.1V amplifier showing the power input terminals (+12V, REM, GND) on the right and speaker output terminals on the left.



Image Description: Front view of the SRX600.1V amplifier's control panel, featuring RCA inputs, high-level input, gain level control, bass EQ, subsonic filter, crossover frequency adjustment, and remote level control port.

- **Power Connections:** Connect the power, ground, and remote wires to the corresponding terminals on the amplifier.
- **Input Connections:** Use the provided RCA cables from the LL2BE Line Output Converter to the amplifier's RCA input terminals. Alternatively, if not using the LL2BE, connect high-level speaker outputs from your head unit to the amplifier's high-level input.
- **Speaker Outputs:** Connect your subwoofer(s) to the speaker output terminals. Ensure correct polarity and impedance matching (the SRX600.1V is stable at 1-ohm).
- **Mounting:** Securely mount the amplifier in a well-ventilated area, away from direct heat or moisture.

3. LL2BE 2-Channel Line Output Converter Installation



Image Description: The Memphis Audio LL2BE Line Output Converter unit shown with its included remote bass level control knob and

connecting cable.



Image Description: Close-up view of the Memphis Audio LL2BE Line Output Converter, highlighting the 'Power' and 'Status' indicators, and the 'Enhance Bass', 'Main', and 'Sub' control knobs.

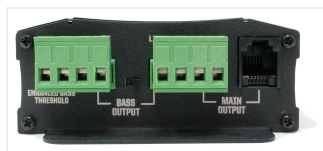


Image Description: Rear view of the Memphis Audio LL2BE Line Output Converter, showing the green terminal blocks for 'Enhanced Bass Threshold', 'Bass Output', and 'Main Output' connections, along with the remote port.

- **Speaker Level Inputs:** Connect the factory speaker wires (up to 400W per channel @ 4 Ohms) to the LL2BE's active speaker level inputs.
- **RCA Outputs:** Connect the LL2BE's RCA outputs to the SRX600.1V amplifier's RCA inputs using the provided RCA cables.
- **Power/Ground:** Connect the LL2BE to a switched 12V power source and a chassis ground. The unit features a Signal Sense turn-on for automatic activation.
- **Remote Output:** The LL2BE provides a 12V remote output that can be used to turn on the SRX600.1V amplifier.
- **Remote Bass Knob:** Install the remote bass knob in an accessible location for convenient bass level adjustment.

4. 8GKIT Amp Install Kit



Image Description: The Memphis Audio 8GKIT Amp Install Kit, displaying the 8-gauge power and ground wires (orange and black), RCA cables (silver), AFS fuse holder, and various connectors and zip ties.

- Utilize the 100% pure copper wire for all power and ground connections to ensure optimal current delivery.
- Install the AFS fuse holder with the appropriate fuse rating as close to the battery as possible.
- Route the RCA cables away from power wires to prevent noise interference.
- Use the included terminals and zip ties to secure all connections and wiring.

OPERATING INSTRUCTIONS

SRX600.1V Mono Amplifier Controls

- **Level (Gain):** Adjust this control to match the output voltage of your head unit or LL2BE. Start with the gain at minimum and slowly increase until desired volume is achieved without distortion.
- **Bass EQ:** Provides a selectable bass boost to enhance low frequencies. Use sparingly to avoid distortion.
- **Subsonic Filter:** Filters out extremely low frequencies that are inaudible and can damage subwoofers. Adjust to protect your speakers.
- **Crossover Network:** Adjust the low-pass filter (LPF) to control the upper frequency limit of the amplifier's output, ensuring only bass frequencies are sent to the subwoofer.

- **Remote Level Control:** Connect the included remote level control to adjust the subwoofer output level from the driver's seat.

LL2BE Line Output Converter Controls

- **Enhance Bass:** Adjusts the level of digital bass restoration.
- **Main:** Controls the output level of the main RCA outputs.
- **Sub:** Controls the output level of the subwoofer RCA outputs.
- **Remote Bass Knob:** Provides external control over the subwoofer output level.

MAINTENANCE

- **Cleaning:** Periodically wipe down the amplifier and LOC 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. Loose connections can lead to poor performance or damage.
- **Ventilation:** Ensure that the amplifier's heatsink remains clear of obstructions to allow for proper cooling.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No Power / Amplifier not turning on	Blown fuse, loose power/ground/remote wire, faulty remote turn-on signal.	Check fuse at battery and on amplifier. Verify all power, ground, and remote connections are secure. Test remote turn-on signal from head unit or LL2BE.
No Sound	Loose RCA cables, incorrect gain setting, speaker wires disconnected, amplifier in protect mode.	Check RCA connections. Adjust gain. Verify speaker wire connections. Check amplifier status indicator for protect mode.
Distorted Sound	Gain set too high, improper crossover/bass boost settings, poor ground connection, damaged speaker.	Reduce gain. Adjust crossover and bass boost settings. Ensure a solid ground connection. Inspect speakers for damage.
Engine Noise / Whining	Poor ground, RCA cables routed near power wires, faulty head unit.	Improve ground connection. Reroute RCA cables away from power wires. Consider a ground loop isolator if necessary.

SPECIFICATIONS

Memphis Audio SRX600.1V Mono Amplifier

- **Power Output:** 600W x 1 at 1Ω
- **Dimensions:** 8.92" x 7.87" x 2.16"
- **Features:** Selectable bass boost, variable crossover network, remote level control

Memphis Audio LL2BE 2-Channel Line Output Converter

- **Max Speaker Level Input:** 400W per channel @ 4 Ohms
- **Dimensions:** 3.3" x 1.4" x 5"
- **Features:** Digital bass restoration, 12V output with Signal Sense turn-on

General Product Information

- **Item Weight:** 7.3 pounds
- **Package Dimensions:** 13 x 10.2 x 7.1 inches
- **Item Model Number:** MemphisBDL250212-11
- **ASIN:** B0DZDCLG2L
- **Date First Available:** March 5, 2025

WARRANTY

This product is covered by a **1-Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. The 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.

SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact Memphis Audio customer support. Refer to the official Memphis Audio website for the most current contact information.

Memphis Audio Official Website: www.memphiscaraudio.com

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