

Memphis SE1000.1V2

Memphis Audio SE1000.1V2 Street Edge 1000 Watt Monoblock Amplifier User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Memphis Audio SE1000.1V2 Street Edge 1000 Watt Monoblock Amplifier. Please read this manual thoroughly before attempting installation or operation to ensure proper use and to prevent damage to the unit or your vehicle's audio system. Retain this manual for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's negative battery terminal before beginning any electrical work.
- Ensure all wiring is properly routed and secured to prevent pinching or damage.
- Use appropriate gauge wiring for power, ground, and speaker connections as specified in the installation section.
- Install an external fuse on the main power wire within 18 inches of the battery.
- Avoid mounting the amplifier in locations exposed to direct sunlight, excessive heat, moisture, or dust.
- Do not operate the amplifier if it is damaged or malfunctioning. Refer to the troubleshooting section or contact qualified service personnel.
- High sound pressure levels can cause permanent hearing loss. Adjust volume levels responsibly.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Memphis Audio SE1000.1V2 Monoblock Amplifier
- Remote Bass Knob (for mono amplifiers only)
- Mounting Hardware
- User Manual (this document)

4. FEATURES

The Memphis Audio SE1000.1V2 Monoblock Amplifier includes the following key features:

- Subsonic Filter
- Remote Bass Knob (MONO only)
- Variable Crossovers
- Extruded Aluminum Heatsink

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and longevity of your amplifier. If you are unsure about any part of the installation process, consult a professional installer.

5.1 Mounting Location

Choose a mounting location that provides adequate ventilation for the amplifier's heatsink. Avoid enclosed spaces. Common locations include under seats, in the trunk, or behind panels. Ensure the mounting surface is solid and secure.

5.2 Wiring Connections

Refer to the diagram below for typical wiring connections. Always use high-quality wiring and connectors.



Figure 1: Top view of the Memphis Audio SE1000.1V2 Monoblock Amplifier, illustrating the power, ground, remote, input, and output

terminals. The heatsink fins are visible across the top surface.



Figure 2: Angled view of the Memphis Audio SE1000.1V2 Monoblock Amplifier, highlighting the control panel with gain, crossover, and bass boost adjustments, along with the RCA input and speaker output terminals.

1. **Power Connection (+12V):** Run a power wire (minimum 8 AWG, consult specifications for exact gauge) directly from the positive terminal of the vehicle's battery to the amplifier's +12V terminal. Install an inline fuse holder with the appropriate fuse rating (refer to specifications) within 18 inches of the battery.
2. **Ground Connection (GND):** Connect a ground wire (same gauge as power wire) from the amplifier's GND terminal to a clean, unpainted metal surface of the vehicle chassis. Ensure a solid, low-resistance connection.
3. **Remote Turn-On (REM):** Connect a remote turn-on wire (typically 18 AWG) from your head unit's remote output to the amplifier's REM terminal. This wire turns the amplifier on and off with your head unit.
4. **RCA Input:** Connect RCA cables from your head unit's subwoofer or full-range pre-outs to the amplifier's RCA input jacks.
5. **Speaker Output:** Connect your subwoofer(s) to the amplifier's speaker output terminals. Ensure correct polarity (+ to + and – to –). Verify the impedance of your subwoofer(s) is compatible with the amplifier's stable operating impedance.
6. **Remote Bass Knob:** Connect the remote bass knob to the designated port on the amplifier. This allows for convenient bass level adjustment from the driver's seat.

6. OPERATING INSTRUCTIONS

After installation, follow these steps for initial setup and operation:

6.1 Initial Power-Up

1. Double-check all wiring connections.
2. Reconnect the vehicle's negative battery terminal.
3. Turn on your head unit. The amplifier's power indicator should illuminate.

6.2 Adjusting Controls

The SE1000.1V2 features several adjustable controls to fine-tune your audio system:

- **Gain Control:** This matches the amplifier's input sensitivity to the output level of your head unit. Start with the gain at minimum, play a familiar track, and slowly increase the gain until you hear distortion, then back off slightly. Do not use the gain control as a volume knob.

- **Variable Crossover (Low Pass Filter - LPF):**As a monoblock amplifier, this unit is designed for subwoofers. The LPF allows you to set the upper frequency limit for the subwoofer. Typically, this is set between 80Hz and 120Hz, depending on your subwoofers and other speakers.
- **Subsonic Filter:** This filter removes extremely low frequencies that are below the audible range and can cause subwoofers to over-excurt without producing useful sound. Set it slightly below your enclosure's tuning frequency (if ported) or around 20-30Hz for sealed enclosures.
- **Bass Boost:** Use this control sparingly to enhance bass output at a specific frequency. Excessive bass boost can lead to distortion and potential damage to your subwoofers.
- **Remote Bass Knob:** This allows for convenient, real-time adjustment of the bass level from the driver's seat without affecting the amplifier's gain setting.

7. MAINTENANCE

Your Memphis Audio amplifier requires minimal maintenance to ensure long-term performance:

- Periodically check all wiring connections for tightness and corrosion.
- Keep the amplifier clean and free of dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners.
- Ensure the heatsink fins are not obstructed to allow for proper cooling.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No Power / Amplifier Not Turning On	Blown fuse, loose power/ground/remote wire, faulty remote turn-on signal.	Check inline fuse, verify all power, ground, and remote connections. Test remote wire for +12V when head unit is on.
No Sound Output	Loose RCA cables, speaker wires disconnected, amplifier in protect mode, gain set too low.	Check RCA and speaker connections. Verify amplifier is not in protect mode (indicator light). Adjust gain.
Distorted Sound	Gain set too high, improper crossover settings, damaged speaker, poor ground connection.	Reduce gain. Adjust crossover settings. Inspect speaker for damage. Verify ground connection.
Amplifier Overheating	Insufficient ventilation, impedance too low, prolonged high output.	Ensure proper airflow around amplifier. Verify speaker impedance is within amplifier's stable range. Reduce volume or allow cooling.

If the problem persists after attempting these solutions, contact Memphis Audio customer support or a qualified service technician.

9. SPECIFICATIONS

The following specifications apply to the Memphis Audio SE1000.1V2 Monoblock Amplifier:

- **Brand:** Memphis
- **Model Number:** SE1000.1V2
- **Number of Channels:** 1 (Monoblock)

- **Output Power:** 160 Watts (Note: This is likely RMS at a specific impedance, refer to product documentation for full power ratings)
- **Minimum Supply Voltage:** 200 Millivolts (Input Sensitivity)
- **Maximum Supply Voltage:** 6 Volts (Input Sensitivity)
- **Material:** Aluminum (Heatsink)
- **Mounting Type:** Freestanding
- **Item Weight:** 4.3 pounds
- **Package Dimensions:** 13.43 x 9.57 x 3.31 inches
- **UPC:** 702588006244
- **Manufacturer:** Memphis Audio

10. WARRANTY AND SUPPORT

Memphis Audio products are designed and manufactured to the highest quality standards. For warranty information, please refer to the warranty card included with your product or visit the official Memphis Audio website. For technical support or service inquiries, please contact Memphis Audio customer service directly.

Memphis Audio Contact Information:

- Website: www.memphiscaraudio.com (Example link, verify official site)
- Customer Service: Refer to website for contact details.

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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

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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