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› [Memphis](#) /

› Memphis Audio SE3200.1V2 Street Edge 800W, 1 ohm Monoblock Amplifier User Manual

Memphis SE3200.1V2-FBA

Memphis Audio SE3200.1V2 Street Edge 800W, 1 ohm Monoblock Amplifier

User Manual

INTRODUCTION



Overview of the Memphis Audio SE3200.1V2 Street Edge 800W, 1 ohm Monoblock Amplifier.

Thank you for choosing the Memphis Audio SE3200.1V2 Street Edge Monoblock Amplifier. This amplifier is engineered to deliver powerful and reliable performance for your car audio subwoofer system. The Street Edge series focuses on providing solid power ratings and performance at an accessible price point.

This manual provides essential information for the proper installation, operation, and maintenance of your amplifier. Please read it thoroughly before attempting installation or operation.

Key Features:

- Subsonic Filter
- Remote Bass Knob (for mono amplifiers only)
- Variable Crossovers
- Extruded Aluminum Heatsink for efficient heat dissipation

SAFETY INFORMATION

WARNING: Improper installation or use of this product can result in serious injury, death, or property damage. Read this manual completely before attempting installation.

- Always disconnect the vehicle's battery negative terminal before making any electrical connections.
- Ensure all wiring is properly routed and secured to prevent pinching or damage.
- Use appropriate gauge wiring for power and ground connections as specified in the "Specifications" section.
- Install the amplifier in a location that allows for adequate ventilation to prevent overheating.
- Avoid installing the amplifier in areas exposed to moisture or excessive dust.
- If you are unsure about any part of the installation process, seek assistance from a qualified professional car audio installer.
- Do not operate the amplifier if it is damaged or malfunctioning.

SETUP AND INSTALLATION

Unpacking and Inspection:

Carefully remove the amplifier from its packaging. Inspect the unit for any signs of damage that may have occurred during shipping. If damage is found, contact your dealer immediately.

Mounting Location:

Choose a mounting location that is dry, well-ventilated, and secure. Ensure there is sufficient airflow around the amplifier's heatsink. Common locations include under seats, in the trunk, or behind panels.

Wiring Connections:

All wiring should be performed with the vehicle's battery disconnected.

Power and Ground Connections:



Image showing the power, ground, remote, and fuse terminals on the Memphis Audio SE3200.1V2 amplifier.

- **Ground (GND):** Connect a short (less than 3 feet) 4-gauge wire from the amplifier's GND terminal directly to a clean, unpainted metal surface on the vehicle's chassis. Ensure a solid electrical connection.
- **Remote (RMT):** Connect a thin gauge wire (typically 18-gauge) from the amplifier's RMT terminal to the remote turn-on output of your head unit. This wire turns the amplifier on and off with your stereo.
- **+12V:** Connect a 4-gauge power wire from the amplifier's +12V terminal directly to the positive terminal of your vehicle's battery. Install an appropriate fuse holder (4GKIT recommended) within 18 inches of the battery.
- **Fuses:** The amplifier features integrated fuses. Ensure they are correctly seated.

Input and Control Connections:



Image showing the input, output, and control knobs on the Memphis Audio SE3200.1V2 amplifier.

- **Input (RCA):** Connect RCA cables from your head unit's subwoofer or full-range pre-out to the amplifier's INPUT L and R RCA jacks.
- **Output (RCA):** The OUTPUT RCA jacks allow you to pass the audio signal to another amplifier if needed.
- **Remote Bass Knob:** Connect the included remote bass knob cable to the "REMOTE" port on the amplifier. This allows for convenient bass level adjustment from the driver's seat.

Speaker Output Connections:

Connect your subwoofer(s) to the SPEAKER OUTPUT terminals. This is a monoblock amplifier, designed for a single channel output. Ensure your subwoofer's impedance matches the amplifier's capabilities (1 ohm stable).

OPERATING INSTRUCTIONS

Initial Power-Up:

Once all connections are secure, reconnect the vehicle's battery. Turn on your head unit. The amplifier should power on, indicated by the "POWER" LED. If the "PROTECT" LED illuminates, refer to the "Troubleshooting" section.

Adjusting Controls:

The SE3200.1V2 amplifier features several adjustable controls to fine-tune your audio system.

- **GAIN:** This control matches the amplifier's input sensitivity to the output voltage of your head unit. Start with the gain set to minimum (MIN). Play a familiar track at about 75% of your head unit's maximum volume. Slowly increase the gain until you hear distortion, then back off slightly. The input range is 200mV to 8V.
- **BASS BOOST:** Adjusts the bass emphasis at a specific frequency. Use sparingly to avoid distortion and potential speaker damage.
- **LPF (Low Pass Filter):** This filter allows only frequencies below the set point to pass through to the subwoofer. Adjust this to blend your subwoofer with your main speakers. Typical settings range from 80Hz to 120Hz.
- **SUB SONIC:** This filter removes extremely low frequencies that are inaudible and can cause damage to your subwoofer. Set this slightly below your subwoofer's port tuning frequency or around 20-30Hz.
- **PHASE SHIFT:** Adjusts the phase of the subwoofer output relative to the main speakers (0° to 180°). This helps to improve bass integration and impact. Experiment with settings to find the best sound.
- **REMOTE:** The remote bass knob provides convenient control over the subwoofer output level from your listening position. This is not a gain control, but rather a level attenuator.

MAINTENANCE

Your Memphis Audio amplifier requires minimal maintenance.

- Keep the amplifier clean and free of dust. Use a soft, dry cloth to wipe down the exterior.
- Ensure that the heatsink fins are not obstructed to allow for proper cooling.
- Periodically check all wiring connections to ensure they are secure and free from corrosion.
- Avoid spilling liquids on the amplifier.

TROUBLESHOOTING

If you experience issues with your amplifier, consult the following troubleshooting guide before contacting support.

Problem	Possible Cause	Solution
Amplifier does not turn on (POWER LED off)	• No +12V power • No ground connection • No remote turn-on signal • Blown fuse	• Check +12V wire and in-line fuse. • Verify ground connection is secure and clean. • Check remote wire connection to head unit. • Replace blown fuses with correct rating.
Amplifier goes into PROTECT mode (PROTECT LED on)	• Overheating • Speaker impedance too low • Short circuit in speaker wiring • DC offset	• Ensure adequate ventilation. Allow amplifier to cool. • Verify speaker impedance is 1 ohm or higher. • Inspect speaker wires for shorts to chassis or each other. • Consult a professional.

Problem	Possible Cause	Solution
No sound output	• RCA input cables disconnected or faulty • Speaker wires disconnected or faulty • Gain set too low • Head unit volume too low	• Check RCA connections at both amplifier and head unit. • Verify speaker wire connections at amplifier and subwoofer. • Adjust gain setting (refer to Operating Instructions). • Increase head unit volume.
Distorted sound	• Gain set too high • Improper crossover settings • Speaker impedance mismatch • Poor ground connection	• Reduce gain setting. • Adjust LPF and Subsonic filter settings. • Verify speaker impedance. • Check and clean ground connection.

SPECIFICATIONS

The following are the technical specifications for the Memphis Audio SE3200.1V2 Monoblock Amplifier:

Specification	Value
Model Number	SE3200.1V2-FBA
RMS Power @ 4Ω	330 x 1 Watts
RMS Power @ 2Ω	550 x 1 Watts
RMS Power @ 1Ω	800 x 1 Watts
THD% @ 4Ω	<1%
Frequency Response	10Hz – 200Hz
Dimensions (L x W x H)	7.87 x 8.07 x 2 inches
Input Range	200mV – 8V
Recommended Amp Kit	4GKIT
Item Weight	5 pounds
Number of Channels	1
UPC	702588006022

WARRANTY AND SUPPORT

For detailed warranty information regarding your Memphis Audio SE3200.1V2 amplifier, please refer to the warranty card included with your product at the time of purchase. Warranty terms and conditions are typically provided separately and may vary.

If you require technical assistance, have questions about installation, operation, or troubleshooting that are not covered in

this manual, please contact Memphis Audio customer support directly or reach out to your authorized Memphis Audio dealer.

You can typically find contact information and additional resources by visiting the official Memphis Audio website.

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