

Massive Audio M6S

Massive Audio M6S 6.5-inch Shallow Mount Mid-Range Speaker Instruction Manual

Model: M6S

1. INTRODUCTION

Thank you for choosing the Massive Audio M6S 6.5-inch Shallow Mount Mid-Range Speaker. This manual provides essential information for the proper installation, operation, and maintenance of your new speaker. Please read this manual thoroughly before installation and retain it 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 insulated to prevent short circuits.
- Mount speakers securely to prevent them from becoming projectiles in an accident.
- Avoid installing speakers in locations that obstruct vehicle safety features (e.g., airbags).
- Do not operate the audio system at excessively high volumes for prolonged periods, as this can cause hearing damage.
- Consult a professional installer if you are unsure about any part of the installation process.

3. PACKAGE CONTENTS

Verify that your package contains the following items:

- Massive Audio M6S 6.5-inch Shallow Mount Mid-Range Speaker
- Mounting Hardware (screws, clips)
- Speaker Grille
- Instruction Manual (this document)



Figure 3.1: Massive Audio M6S Product Box

This image displays the retail packaging for the Massive Audio M6S speaker, a black box with the 'M6S 6.5" SHALLOW MIDRANGE' text and the Massive Audio logo.

4. FEATURES

The Massive Audio M6S speaker is designed for high-performance audio in compact spaces:

- **Slim Shallow Mount Design:** Ultra-thin profile for installation in tight spaces like doors, dashboards, or motorcycles.
- **Powerful Midrange Output:** Delivers 200W Max / 100W RMS with 4 Ohm impedance for clear and dynamic mid-frequency sound.
- **High Sensitivity Efficiency:** 96dB sensitivity ensures strong output with minimal power input.
- **Durable Construction:** Features a pressed paper cone, treated cloth surround, and vented magnet for low distortion and long-lasting performance.
- **Versatile Installation:** Suitable for various vehicles and custom enclosures where space is limited.

5. SPECIFICATIONS

| Feature | Specification |
|--------------------------------|---|
| Model Name | M6S |
| Speaker Type | Mid-Range |
| Speaker Size | 6.5 Inches |
| Impedance | 4 Ohms |
| Power Handling (RMS) | 100W |
| Power Handling (Max) | 200W |
| Frequency Response | 10000 Hz (Note: This is likely the upper limit, not the full range) |
| Sensitivity | 96dB (from feature bullets) |
| Product Dimensions (D x W x H) | 2.95"D x 8"W x 9.6"H |
| Item Weight | 2.22 pounds |
| Special Feature | Aluminum Heat Sink and Neodymium Magnet |
| UPC | 623169660061 |

6. INSTALLATION AND SETUP

Proper installation is crucial for optimal performance and longevity of your M6S speakers. Follow these general guidelines:

6.1. Planning the Installation

- **Location:** Due to their shallow mount design, M6S speakers are ideal for vehicle doors, dashboards, or custom enclosures where depth is limited. Ensure there is sufficient clearance for the speaker and its wiring.
- **Mounting Surface:** The mounting surface must be rigid and free from obstructions.
- **Wiring:** Plan your wiring path to avoid sharp edges, heat sources, and moving parts. Use appropriate gauge speaker wire for your system.

6.2. Mounting the Speaker

1. **Prepare the Opening:** If replacing existing speakers, ensure the opening matches the M6S's 6.5-inch diameter. For new installations, carefully cut a circular opening using a template (often included with mounting hardware or available from the manufacturer).
2. **Test Fit:** Gently place the speaker into the opening to ensure a proper fit.
3. **Connect Wiring:** Connect the positive (+) and negative (-) speaker wires from your amplifier to the corresponding terminals on the M6S speaker. Ensure a secure connection.
4. **Secure the Speaker:** Use the provided mounting screws to firmly attach the speaker to the mounting surface. Do not overtighten.
5. **Install Grille:** If desired, attach the speaker grille over the installed speaker for protection.



Figure 6.1: Front View of M6S Speaker

This image shows the front of the Massive Audio M6S speaker, highlighting its cone and central Massive Audio logo.



Figure 6.2: Side View with Terminals

This image provides a side view of the M6S speaker, illustrating its shallow mounting depth and the positive and negative terminals for wiring connections.



Figure 6.3: Rear View of M6S Speaker

This image displays the rear of the M6S speaker, showing the magnet structure and product labeling including the model number 'M6S PRO 6.5" MIDRANGE SHALLOW'.



Figure 6.4: Speaker Grille

This image shows the protective grille designed for the Massive Audio M6S speaker, featuring a mesh design and the Massive Audio logo.

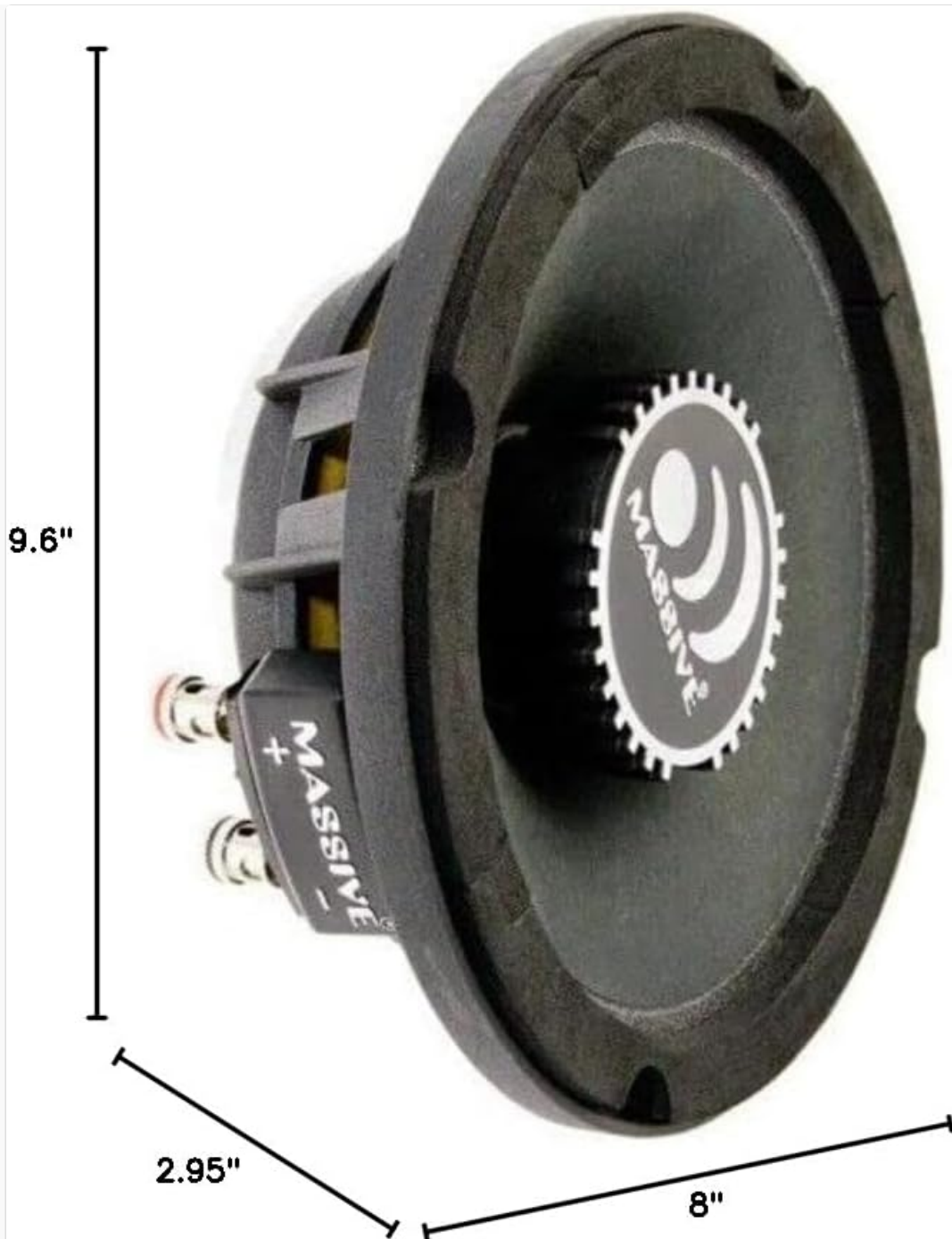


Figure 6.5: M6S Speaker Dimensions

This diagram illustrates the key dimensions of the Massive Audio M6S speaker, including its depth (2.95"), width (8"), and height (9.6"), crucial for installation planning.

6.3. Amplifier Matching

Ensure your amplifier's output power matches the M6S speaker's RMS power handling (100W) to prevent damage and achieve optimal sound quality. An amplifier with slightly higher RMS output than the speaker's rating is generally acceptable, but avoid underpowering or severely overpowering the speakers.

7. OPERATION

Once installed, the Massive Audio M6S speakers will reproduce mid-range frequencies as part of your car audio system. Proper system tuning is essential for the best listening experience.

- **Initial Playback:** Start with the volume low and gradually increase it to a comfortable listening level.
- **Crossover Settings:** If your amplifier or head unit has adjustable crossover settings, set the high-

pass filter (HPF) for the M6S speakers to prevent them from playing low bass frequencies they are not designed for. Consult your amplifier's manual for recommended settings.

- **Equalization:** Adjust your system's equalizer to fine-tune the sound to your preference, ensuring a balanced audio output.

Video 7.1: Massive Audio Promotional Video

This video provides a general overview of Massive Audio products and their applications in car audio systems, showcasing various installations and the brand's focus on sound quality and performance. It is a promotional video from the seller, Massive Audio Direct.

8. MAINTENANCE

The Massive Audio M6S speakers require minimal maintenance to ensure long-term performance:

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cone and surround. Avoid using harsh chemicals or excessive moisture.
- **Inspection:** Periodically check the speaker for any signs of damage, loose connections, or debris.
- **Environmental Factors:** Protect speakers from extreme temperatures, direct sunlight, and excessive moisture.

9. TROUBLESHOOTING

If you encounter issues with your M6S speakers, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-----------------------|---|---|
| No Sound | Loose wiring connection Amplifier off or in protect mode Incorrect source selection | Check all speaker and amplifier connections. Verify amplifier power and status. Ensure correct audio source is selected on head unit. |
| Distorted Sound | Volume too high Improper amplifier gain setting Damaged speaker or wiring | Reduce volume. Adjust amplifier gain to match head unit output. Inspect speaker cone and wiring for damage. |
| Weak or Muffled Sound | Incorrect polarity Crossover settings too high/low | Verify positive and negative connections are correct. Adjust crossover settings on amplifier or head unit. |
| Intermittent Sound | Loose wiring Faulty component | Check all connections for tightness. Isolate components to identify faulty unit. |

If the problem persists after attempting these solutions, contact Massive Audio customer support or a qualified car audio technician.

10. WARRANTY AND SUPPORT

For warranty information, please refer to the official Massive Audio website or contact your authorized dealer. Massive Audio stands behind its products and offers support for any manufacturing defects.

For technical assistance or customer service, please visit the [Massive Audio Store on Amazon](#) or the [official Massive Audio website](#).