

JBL JBLSPKSD962MAM

JBL 6" x 9" Step-up Multielement Car Audio Speaker System Instruction Manual

Model: JBLSPKSD962MAM

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your JBL 6" x 9" Step-up Multielement Car Audio Speaker System. Please read this manual thoroughly before attempting installation or use to ensure proper function and longevity of your speakers. Retain this manual for future reference.



Figure 1: The JBL 6" x 9" Step-up Multielement Car Audio Speaker System.

2. SAFETY INFORMATION

- Always disconnect the vehicle's battery negative terminal before beginning any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or contact with sharp edges.
- Do not mount speakers in locations that obstruct the driver's view or interfere with vehicle safety features (e.g., airbags).
- Consult a professional car audio installer if you are unsure about any aspect of the installation process.
- Avoid prolonged exposure to high volume levels, which can cause hearing damage.

3. WHAT'S IN THE BOX

Verify that all components are present before beginning installation:

- 2x 2-way speakers
- 2x Bottom mount adapter rings

- 2x Grilles
- 8x 1-3/8" Screws
- 8x Speed clips
- 2x Adhesive backed foam gaskets
- 2x Adhesive backed JBL logo badges
- Installation manual (this document)

4. PRODUCT FEATURES

The JBL 6" x 9" Step-up Multielement Car Audio Speaker System is designed to deliver high-fidelity sound in your vehicle. Key features include:

- **Edge-driven Dome Tweeters and Midrange:** These speakers incorporate an edge-driven design for aluminum dome midrange drivers and tweeters. This design promotes a smoother, more open frequency response and minimizes distortion, even at higher volume levels. The angled tweeter design helps direct high frequencies towards the listener's ears, improving stereo imaging regardless of speaker mounting location.
- **Plus One+ Woofer Technology:** The glass fiber woofer cone maintains its shape under high power, ensuring clear and defined bass reproduction. The lightweight glass fiber material allows for efficient operation without requiring excessive power. JBL's Plus One+ technology extends the cone's surface area to the edge of the basket, resulting in enhanced bass output that complements the superior high-frequency response.
- **Optimized Power Handling:** With a 3-ohm impedance and high sensitivity, these speakers can be powered by a factory radio or an aftermarket stereo. For optimal performance, connecting them to an external amplifier is recommended. The low impedance design efficiently utilizes available power for exceptional audio quality.
- **Included Grilles:** Protective grilles are provided for speaker protection and a finished appearance.

5. SETUP AND INSTALLATION

Proper installation is crucial for optimal sound performance and speaker longevity. This section provides general guidelines. Specific vehicle requirements may vary.

5.1 Mounting Location

These 6" x 9" speakers are typically mounted in factory speaker locations in car doors or rear decks. Ensure there is sufficient depth and clearance for the speaker and its magnet structure. Use the provided bottom mount adapter rings if necessary to achieve a secure fit.



Figure 2: Speaker dimensions for installation planning. The speaker measures approximately 6 inches by 9 inches, with a depth of 4 inches.

5.2 Wiring Connections

1. Identify the positive (+) and negative (-) terminals on your speaker and the corresponding wires from your amplifier or head unit.
2. Connect the positive speaker terminal to the positive output wire and the negative speaker terminal to the negative output wire. Ensure a secure connection.
3. The speakers have a 3-ohm impedance. Ensure your amplifier or head unit is stable at this impedance.
4. Route all speaker wires away from sharp edges, moving parts, and other electrical wires to prevent interference or damage.



Figure 3: Rear view of the speaker, highlighting the wiring terminals for connection.

5.3 Securing the Speakers

1. Once wired, place the speaker into the mounting opening.
2. Use the provided screws and speed clips to securely fasten the speaker to the mounting surface. Do not overtighten.
3. Apply the adhesive-backed foam gaskets around the speaker frame to create a seal and prevent vibrations.
4. Install the grilles over the speakers if desired, using the appropriate mounting points.



Figure 4: Top view of the speaker with the protective grille in place.

6. OPERATING INSTRUCTIONS

After successful installation, reconnect your vehicle's battery. Turn on your car audio system and gradually increase the volume to test the speakers. Adjust audio settings (bass, treble, balance, fader) on your head unit or amplifier to achieve your preferred sound. These speakers are designed for high-resolution audio and can handle up to 360 Watts peak power, but always ensure your amplifier's output matches the speaker's capabilities to prevent damage.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker grilles and surrounds. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check speaker mounting screws for tightness and wiring connections for corrosion or fraying.
- **Environmental Factors:** While designed for automotive use, avoid exposing speakers to excessive moisture or extreme temperatures for prolonged periods.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from speakers	Incorrect wiring connection Amplifier/head unit off or faulty Speaker wire shorted or disconnected	Check all positive and negative connections. Verify power to audio system components. Inspect speaker wires for damage and ensure secure connections.
Distorted or unclear sound	Volume too high, clipping amplifier Incorrect audio settings (bass/treble) Loose speaker mounting Damaged speaker	Reduce volume. Check amplifier gain settings. Adjust audio settings on head unit/amplifier. Tighten speaker mounting screws. Inspect speaker cone and surround for physical damage.
One speaker not working	Faulty wiring to that speaker Balance/fader setting incorrect Damaged speaker	Check wiring for the non-working speaker. Adjust balance and fader settings on your head unit. If wiring is correct, the speaker may be faulty and require replacement.

9. SPECIFICATIONS

Feature	Detail
Brand	JBL
Model Number	JBLSPKSD962MAM
Speaker Type	Multielement (Woofer, Tweeters)
Speaker Size	6" x 9" (Woofer Diameter: 6 Inches, Tweeter Diameter: 0.75 Inches)
Maximum Output Power	360 Watts
Impedance	3 Ohms
Audio Output Mode	Stereo
Enclosure Material	Glass Fiber, Aluminum
Mounting Type	Car Mount, Door Mount
Additional Features	Hi Res Audio
Color	Black
Item Dimensions (D x W x H)	3"D x 10"W x 7"H
UPC	050036381413

10. WARRANTY AND SUPPORT

This JBL speaker system comes with a **1 Year Manufacturer Warranty**. For warranty claims, technical support, or

service inquiries, please contact JBL customer service or visit the official JBL website. Keep your proof of purchase for warranty validation.

JBL Official Website: www.jbl.com