

Jensen JS6504

Jensen JS6504 6.5-inch 4-Way Car Audio Speakers Instruction Manual

Model: JS6504

1. INTRODUCTION

Thank you for choosing Jensen JS6504 6.5-inch 4-Way Car Audio Speakers. This manual provides essential information for the proper installation, operation, and maintenance of your new speakers. Please read this manual thoroughly before installation to ensure optimal performance and safety.

The Jensen JS6504 speakers are designed to deliver clear and rich audio in your vehicle. They feature a 4-way design, polypropylene woofer cones, Mylar balanced dome midranges, and piezo tweeters for a comprehensive sound experience.

2. SAFETY INFORMATION

Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery negative terminal before beginning any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated to prevent electrical shorts and damage to your vehicle's electrical system.
- Do not install speakers in locations that obstruct the driver's view or interfere with vehicle safety features (e.g., airbags).
- Use appropriate tools and wear safety glasses during installation.
- Consult a professional car audio installer if you are unsure about any part of the installation process.
- Avoid exposing speakers to excessive moisture or extreme temperatures.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Two (2) Jensen JS6504 6.5-inch 4-Way Speakers
- Mounting Hardware (screws, clips)
- Speaker Wires
- Instruction Manual (this document)



Image: Included mounting hardware and speaker wires.

4. FEATURES

The Jensen JS6504 speakers incorporate several design elements for enhanced audio performance:

- **6.5-inch Size:** Standard size for many vehicle door applications.
- **4-Way Speaker Design:** Provides a wider frequency response and improved sound separation.
- **Mylar Balanced Dome Midrange:** A 35mm Mylar dome midrange enhances clarity in the mid-frequency range.
- **Polypropylene Woofer Cone:** Resistant to moisture and distortion, contributing to higher quality bass and mid-bass.
- **Two 15mm Piezo Tweeters:** Deliver crisp and clear high-frequency sounds.
- **Butyl Rubber Surround:** Durable and flexible material for improved cone excursion and longevity.



These 6.5-inch speakers deliver up to 160 Watts of Peak Power and 40 Watts RMS at a 4 Ohm Impedance and Frequency Response between 70Hz-20kHz for high output efficiency.

Image: Front view of the Jensen JS6504 speaker without the grille, highlighting the woofer, midrange, and tweeters.



Features a polypropylene woofer cone, butyl rubber surround, 35mm Mylar® balanced dome midrange, two 15mm piezo tweeters, and a 4-Way Design for great sound!

Image: Diagram illustrating the 6.5-inch speaker size and 4-way design concept.

5. INSTALLATION

Proper installation is crucial for optimal sound quality and speaker longevity. Follow these steps carefully:

5.1 Tools Required

- Screwdriver set (Phillips and flathead)
- Wire strippers/crimpers
- Drill (if new mounting holes are required)
- Panel removal tools (plastic pry tools recommended)
- Electrical tape or heat shrink tubing
- Multimeter (optional, for checking polarity)

5.2 Mounting Dimensions

- Cut-out Diameter: 5.60 inches (142.24 mm)
- Top Mounting Depth: 2.36 inches (59.94 mm)
- Bottom Mounting Depth: 2.17 inches (55.12 mm)



Image: Top-down view of the Jensen JS6504 speaker, showing its circular form factor and mounting points.

5.3 Installation Steps

1. Prepare the Vehicle:

- Turn off the vehicle's ignition and remove the key.
- Disconnect the negative terminal of the car battery.
- Carefully remove the door panels or speaker grilles to access the existing speakers or mounting locations. Refer to your vehicle's service manual for specific instructions on panel removal.

2. Remove Old Speakers (if applicable):

- Unscrew and remove the old speakers.
- Disconnect the wiring from the old speakers. Note the positive (+) and negative (-) terminals.

3. Mount the New Speakers:

- Place the Jensen JS6504 speaker into the mounting opening. Ensure it fits correctly without obstruction.
- Align the speaker's mounting holes with the vehicle's existing holes. If new holes are needed, mark and drill pilot holes carefully, ensuring no wires or components are behind the drilling area.
- Secure the speaker using the provided screws and clips. Do not overtighten.

4. Wire the Speakers:

- Connect the positive (+) speaker wire from the vehicle's audio system to the positive (+) terminal on the Jensen JS6504 speaker.
- Connect the negative (-) speaker wire from the vehicle's audio system to the negative (-) terminal on the Jensen JS6504 speaker.
- Ensure all connections are secure and properly insulated using electrical tape or heat shrink tubing to prevent short circuits. Incorrect polarity will result in poor sound quality.

5. Test the Speakers:

- Before reassembling the door panels, reconnect the vehicle's battery negative terminal.

- Turn on your car's audio system and test the speakers at a low volume. Check for sound from all speakers and ensure clarity.
- If the sound is distorted or absent, recheck your wiring connections.

6. Reassemble:

- Once satisfied with the sound, carefully reattach the door panels or speaker grilles.



Image: Jensen JS6504 speaker with grille installed in a car door panel.

6. OPERATING INSTRUCTIONS

The Jensen JS6504 speakers are passive components and do not require specific operational controls. Their performance is directly dependent on the audio source (car stereo/head unit) and amplifier (if used).

- **Audio Source:** Ensure your car stereo is properly configured for the number of speakers installed.
- **Volume Control:** Adjust the volume through your car's head unit. Avoid excessively high volumes that cause audible distortion, as this can damage the speakers.

- **Equalization:** Use your head unit's equalizer settings to fine-tune the sound to your preference. Start with flat settings and make small adjustments.

7. MAINTENANCE

To ensure the longevity and optimal performance of your Jensen JS6504 speakers, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Protection:** Keep the speakers free from dust, dirt, and debris. Ensure the grilles are securely in place to protect the cones.
- **Environmental Factors:** While the polypropylene cone is moisture-resistant, avoid direct exposure to water or extreme humidity. Protect speakers from direct sunlight and extreme temperatures when possible.

8. TROUBLESHOOTING

If you encounter issues with your Jensen JS6504 speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speakers	Loose or disconnected wiring	Check all speaker connections at the speaker and head unit/amplifier. Verify correct positive (+) and negative (-) connections. Test the head unit or amplifier with another known working speaker. Check fuses in your vehicle's audio system.
	Incorrect wiring polarity	
	Head unit or amplifier issue	
	Blown fuse in audio system	
Distorted or unclear sound	Incorrect wiring polarity	Verify correct positive (+) and negative (-) connections. Reduce volume to a level where distortion is not present. Ensure speakers are securely mounted. Inspect speaker cones for visible damage. If damaged, replacement may be necessary.
	Volume too high, causing clipping	
	Loose mounting	
	Damaged speaker cone	
Lack of bass	Incorrect wiring polarity	Verify correct positive (+) and negative (-) connections. Adjust bass settings on your head unit's equalizer. Ensure the speaker is properly sealed in its mounting location.
	Head unit EQ settings	
	Speaker enclosure issues	

If the problem persists after trying these solutions, contact Jensen customer support or a qualified car audio technician.

9. SPECIFICATIONS

Feature	Specification
Model Name	JS6504
Speaker Type	4-Way

Feature	Specification
Speaker Size	6.5 Inches
Peak Power Handling	160 Watts per speaker (320 Watts per pair)
RMS Power Handling	40 Watts RMS
Impedance	4 Ohm
Woofer Cone Material	Polypropylene
Midrange Type	35mm Mylar Balanced Dome
Tweeter Type	Two 15mm Piezo Tweeters
Frequency Response	70Hz-20kHz
Mounting Type	Door Mount
Cut-out Diameter	5.60 inches (142.24 mm)
Top Mounting Depth	2.36 inches (59.94 mm)
Bottom Mounting Depth	2.17 inches (55.12 mm)
Item Weight	4.44 pounds (pair)
UPC	827204121825

10. WARRANTY AND SUPPORT

Jensen offers a 3-year warranty when you register your product on [Jensenmobile.com](https://www.jensenmobile.com). A 2-year standard warranty applies otherwise. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please visit the official Jensen website or contact their customer service department. Contact information can typically be found on the [Jensenmobile.com](https://www.jensenmobile.com) website.

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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