

## JBL 6TRFX55

# JBL 6TRFX55 6-Inch Triaxial Car Speaker Instruction Manual

Model: 6TRFX55

## INTRODUCTION

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Thank you for choosing JBL. This manual provides essential information for the proper installation, operation, and maintenance of your JBL 6TRFX55 6-inch triaxial car speakers. Please read this manual thoroughly before attempting installation or use to ensure optimal performance and safety.



# 6TRFX55

## HIGH-QUALITY SOUND

## EXCELENTE PERFORMANCE



Image: Front view of the JBL 6TRFX55 6-inch triaxial car speaker.

### SAFETY INFORMATION

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Always observe the following safety precautions during installation and operation:

- Disconnect the vehicle's battery negative terminal before starting any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated and secured to prevent damage from vibration or sharp edges.
- Do not install speakers in locations that obstruct vehicle operation or safety features.
- Use appropriate tools and protective gear during installation.
- Consult a professional installer if you are unsure about any part of the installation process.
- Avoid prolonged exposure to excessively loud audio, which can cause hearing damage.

### PACKAGE CONTENTS

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Verify that your package contains the following items:

- JBL 6TRFX55 6-inch Triaxial Car Speaker(s)

- Mounting hardware (screws, clips)
- Speaker wire (may vary by package)
- Instruction Manual (this document)

## INSTALLATION (SETUP)

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

### 1. Planning and Preparation

- **Choose Mounting Location:** Ensure the chosen location in your vehicle can accommodate the speaker's dimensions (refer to the Specifications section). Common locations include door panels or rear deck.
- **Check for Obstructions:** Before cutting or drilling, verify there are no electrical wires, window mechanisms, or structural components behind the mounting surface.
- **Gather Tools:** You will need screwdrivers, wire strippers, crimpers, drill, appropriate drill bits, and safety glasses.



Image: Technical diagram illustrating the dimensions of the JBL 6TRFX55 speaker for accurate mounting and fitment.

### 2. Mounting the Speakers

1. If replacing existing speakers, carefully remove the old speakers and any associated mounting brackets.
2. If creating a new opening, use the provided template (if applicable) or the speaker's dimensions to mark the cutout area. Carefully cut the opening.
3. Position the speaker in the opening. Ensure it fits snugly without excessive force.
4. Align the mounting holes and secure the speaker using the provided screws. Do not overtighten.



Image: Straight-on front view of the JBL 6TRFX55 speaker, showing the cone and tweeter assembly.

### 3. Wiring the Speakers

- Identify the positive (+) and negative (-) terminals on the speaker and your vehicle's speaker wiring. The positive terminal is usually marked with a red color or a plus sign, while the negative is black or a minus sign.
- Connect the positive wire from your amplifier/head unit to the speaker's positive terminal.
- Connect the negative wire from your amplifier/head unit to the speaker's negative terminal.
- Ensure all connections are secure and properly insulated to prevent short circuits and signal loss.



Image: Rear view of the JBL 6TRFX55 speaker, clearly showing the speaker terminals for wiring connections.

## OPERATION

Once installed, your JBL 6TRFX55 speakers are ready for use. Follow these guidelines for optimal performance:

- **Initial Power-Up:** After installation, reconnect the vehicle battery. Turn on your car's audio system at a low volume.
- **Sound Check:** Gradually increase the volume and listen for clear, balanced sound from all speakers. Check for any distortion or unusual noises.
- **Break-in Period:** Allow a break-in period of several hours of normal listening before playing at high volumes. This allows the speaker components to loosen and perform optimally.
- **Volume Control:** Avoid playing music at excessively high volumes for extended periods, as this can damage the speakers and your hearing. If you hear distortion, reduce the volume immediately.
- **Equalization:** Adjust your head unit's or amplifier's equalizer settings to fine-tune the sound to your preference. Start with flat settings and make small adjustments.

# ALTO-FALANTE AUTOMOTIVO JBL 6TRFX55

POTÊNCIA  
DE PICO  
**110W**  
(220W O PAR)

POTÊNCIA  
RMS  
**55W**  
(110W O PAR)



Image: Front view of the JBL 6TRFX55 speaker, displaying its peak power of 110W (220W per pair) and RMS power of 55W (110W per pair).

## MAINTENANCE

Your JBL 6TRFX55 speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Gently wipe the speaker grilles and surrounds with a soft, damp cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the speaker cones and surrounds for any signs of damage, tears, or deterioration.
- **Connection Check:** Ensure all wiring connections remain secure and free from corrosion.
- **Environmental Factors:** While designed for automotive use, avoid exposing speakers to extreme moisture or direct sunlight for prolonged periods if possible.

## TROUBLESHOOTING

If you experience issues with your JBL 6TRFX55 speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect wiring; speaker damaged; amplifier/head unit issue.	Check all wiring connections for proper polarity and security. Test with another known-good speaker or audio source. Inspect speaker for visible damage.
Distorted sound	Volume too high; incorrect amplifier gain settings; damaged speaker; poor wiring.	Reduce volume. Check amplifier gain settings (should match head unit output). Inspect speaker for damage. Verify wiring integrity.
Weak or unbalanced sound	Incorrect balance/fader settings; phase issue; low power.	Adjust balance/fader on head unit. Check speaker wiring for correct polarity (positive to positive, negative to negative). Ensure amplifier is providing adequate power.
Buzzing or humming noise	Ground loop issue; interference from other electrical components; loose connections.	Ensure proper grounding of all audio components. Check for loose wiring. Reroute power and signal cables away from each other.

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

## SPECIFICATIONS

Detailed technical specifications for the JBL 6TRFX55 6-inch triaxial car speaker:

- **Model:** 6TRFX55
- **Speaker Type:** Triaxial Car Speaker
- **Speaker Size:** 6 Inches
- **RMS Power Handling:** 55 Watts (110 Watts per pair)
- **Peak Power Handling:** 110 Watts (220 Watts per pair)
- **Item Weight:** 1800 Grams (approximately 3.97 lbs)
- **Waterproof:** No
- **Overall Diameter (A):** 166 mm (6.54 in)
- **Mounting Cutout Diameter (B):** 156 mm (6.14 in)
- **Mounting Depth (C):** 55 mm (2.17 in)
- **Magnet Diameter (D):** 144 mm (5.67 in)
- **Total Depth (E):** 60 mm (2.36 in)
- **GTIN (Global Trade Identification Number):** 07896359574179
- **ASIN:** B0CMHZL6TY

## WARRANTY AND SUPPORT

JBL products are designed for durability and performance. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official JBL website. Keep your purchase receipt as proof of purchase.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact JBL customer service through their official website or the contact information provided in your product

packaging.

**JBL Official Website:** [www.jbl.com](http://www.jbl.com)