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› [Kenwood](#) /

› Kenwood KFC-6966S 6x9 Inch 3-Way Coaxial Car Speaker Instruction Manual

Kenwood KFC-6966S

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INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Kenwood KFC-6966S 6x9 inch 3-Way Coaxial Car Speakers. Please read these instructions thoroughly before beginning installation to ensure optimal performance and safety. The KFC-6966S speakers are designed to deliver clear audio with a 400-watt peak power handling and durable polypropylene cones.

WHAT'S IN THE BOX

Verify that all items are present in the package before proceeding with installation.

- (2) Kenwood KFC-6966S 6x9 Inch 3-Way Coaxial Speakers
- Mounting Hardware (screws, clips)
- Instruction Manual



Image: Kenwood KFC-6966S speaker packaging box, showing the product and branding.

SPECIFICATIONS

Detailed technical specifications for the Kenwood KFC-6966S speakers.

Feature	Specification
Brand	Kenwood
Model Number	KFC-6966S
Speaker Type	Coaxial, 3-Way
Speaker Size	6x9 inches
Peak Power Handling	400 watts
Frequency Response	35 Hz - 20 kHz
Woofer Diameter	6 inches
Tweeter Diameter	1 inch
Audio Output Mode	Stereo

Feature	Specification
Mounting Type	Car Mount (Flush Mount)
Item Weight	4.1 pounds (per pair)
Item Dimensions (D x W x H)	11.7"D x 14.8"W x 5.4"H (packaging)

SETUP AND INSTALLATION

Proper installation is crucial for optimal sound quality and speaker longevity. If you are unsure about any steps, it is recommended to consult a professional car audio installer.

Safety Precautions

- Disconnect the vehicle's battery before starting any electrical work to prevent short circuits.
- Wear appropriate safety gear, including eye protection.
- Ensure all wiring is properly insulated and secured to prevent damage or interference.
- Avoid drilling into fuel lines, brake lines, or electrical wiring.

Pre-Installation Checklist

- **Tools:** Screwdrivers, wire strippers, crimping tool, drill, measuring tape, cutting tool (if modifying speaker openings).
- **Adapters/Spacers:** Depending on your vehicle, you may need speaker adapters or spacers to ensure a proper fit and clearance. These are often sold separately.
- **Wiring Harnesses:** Vehicle-specific wiring harnesses can simplify connections and avoid cutting factory wires.

Mounting the Speakers

1. **Access Speaker Location:** Carefully remove any panels, grilles, or trim pieces to access the existing speaker locations. Refer to your vehicle's service manual for specific instructions.
2. **Test Fit:** Place the Kenwood KFC-6966S speaker into the opening to check for fit. If the opening is too small or requires modification, carefully enlarge it using appropriate tools. Ensure there is sufficient depth clearance for the speaker magnet.
3. **Secure Speakers:** Use the provided screws and clips to firmly mount the speakers. If using adapters or spacers, install them first according to their instructions. Ensure the speakers are flush and do not rattle.



Image: Front view of the Kenwood KFC-6966S speaker without its protective grille, showing the cone and tweeter.



Image: Back view of the Kenwood KFC-6966S speaker, displaying the magnet, terminals, and model number label.



Image: Side profile of the Kenwood KFC-6966S speaker, illustrating its depth and mounting flange.

Wiring

1. **Connect Wires:** Connect the speaker wires from your car's audio system to the speaker terminals. Ensure correct polarity: positive (+) to positive and negative (-) to negative. Incorrect polarity can lead to poor sound quality.
2. **Secure Connections:** Use crimp connectors or solder connections for a secure and reliable electrical contact. Insulate all connections with electrical tape or heat shrink tubing.
3. **Route Wires:** Route speaker wires away from sharp edges, moving parts, and sources of electrical interference. Secure them with zip ties or clips.

OPERATING INSTRUCTIONS

Once installed, your Kenwood KFC-6966S speakers are ready for use. Here are some general operating guidelines:

- **Initial Playback:** Start with the volume low and gradually increase it to a comfortable listening level.
- **Audio Settings:** Adjust the bass, treble, and balance settings on your head unit or amplifier to optimize sound quality for your vehicle's acoustics and personal preference.
- **Avoid Overdriving:** While these speakers have a high peak power handling, continuous overdriving (playing at excessively high volumes causing distortion) can damage them. Listen for signs of distortion and reduce volume if heard.



Image: Front view of the Kenwood KFC-6966S speaker with its protective grille installed.



Image: A visual representation of the Kenwood KFC-6966S 6x9 inch coaxial speaker.

MAINTENANCE

The Kenwood KFC-6966S speakers require minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Periodically wipe the speaker grilles and surrounds with a soft, dry cloth to remove dust and debris. Avoid using harsh chemicals or abrasive cleaners.
- **Inspection:** Occasionally inspect the speaker cones and surrounds for any signs of damage, such as tears or cracks. Check wiring connections for looseness or corrosion.
- **Environmental Factors:** Protect speakers from extreme temperatures, direct sunlight for prolonged periods, and excessive moisture.

TROUBLESHOOTING

If you encounter issues with your speakers, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
No sound from speakers	Loose or incorrect wiring; Head unit/amplifier issue; Blown fuse.	Check all wiring connections for security and correct polarity. Verify head unit/amplifier is powered on and functioning. Check vehicle's audio system fuses.
Distorted sound	Volume too high; Incorrect audio settings; Damaged speaker cone/surround; Amplifier clipping.	Reduce volume. Adjust bass/treble settings. Inspect speakers for physical damage. Ensure amplifier gain is set correctly.

Problem	Possible Cause	Solution
Weak or no bass	Incorrect polarity; Speaker not sealed properly; Insufficient power.	Verify correct wiring polarity. Ensure speakers are securely mounted and sealed. Consider adding an external amplifier for more power.
Rattling noise	Loose mounting; Vibrating panel; Damaged speaker.	Tighten mounting screws. Identify and secure vibrating panels. Inspect speaker for damage.

WARRANTY AND SUPPORT

Your Kenwood KFC-6966S speakers are covered by a **1-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or further assistance, please contact Kenwood customer service or visit the official Kenwood website. Keep your proof of purchase for warranty validation.



Image: The official Kenwood brand logo.

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

Anonymous

Email

you@example.com

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