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Kenwood KFC-C6866S

Kenwood KFC-C6866S 6x8 2-Way Car Stereo Speakers Instruction Manual

Model: KFC-C6866S

INTRODUCTION

Thank you for purchasing the Kenwood KFC-C6866S 6x8 2-Way Car Stereo Speakers. These speakers are designed to provide clear and dynamic audio performance in your vehicle. This manual contains important information regarding the installation, operation, and maintenance of your new speakers. Please read it thoroughly before use and retain it for future reference.

PRODUCT OVERVIEW

The Kenwood KFC-C6866S speakers are a coaxial pair featuring a 6x8 inch paper cone woofer and a 1-inch PEI balanced dome tweeter. They are designed for a maximum power output of 250 watts and an RMS power of 30 watts, with a 4-ohm impedance. These speakers are suitable for various car audio setups, offering an upgrade from factory-installed units.



Figure 1: Front view of the Kenwood KFC-C6866S speaker, showing the 6x8 inch woofer and central 1-inch PEI balanced dome tweeter.



Figure 2: Rear view of the Kenwood KFC-C6866S speaker, displaying the magnet structure and connection terminals.

WHAT'S IN THE BOX

- 2 x Kenwood KFC-C6866S Speakers
- Tapping Screws (for installation)
- Speaker Cord (for connection)



Figure 3: Packaging for the Kenwood KFC-C6866S speakers, indicating the contents and model number.

SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unfamiliar with car audio installation, it is highly recommended to seek professional assistance.

Safety Precautions

- Disconnect the vehicle's negative battery terminal before starting any electrical work to prevent short circuits.
- Ensure all wiring is properly insulated to prevent damage and electrical hazards.
- Mount speakers securely to avoid vibration and potential dislodgement during vehicle operation.

Installation Steps (General)

1. **Remove Existing Speakers:** Carefully remove door panels or speaker grilles to access the factory speakers. Disconnect their wiring.
2. **Prepare Mounting Location:** Ensure the mounting location is clean and free of obstructions. The Kenwood KFC-C6866S speakers are designed for 6x8 inch openings.
3. **Connect Speaker Wires:** Connect the provided speaker cords to the terminals on the new Kenwood speakers. Ensure correct polarity (positive to positive, negative to negative).
4. **Mount New Speakers:** Place the Kenwood speakers into the opening and secure them using the tapping screws. Do not overtighten.
5. **Reconnect Wiring:** Connect the speaker wires to your car's audio system wiring harness. Adapter harnesses (sold separately) may be required for a plug-and-play connection.
6. **Test System:** Before reassembling panels, reconnect the battery and test the speakers to ensure they are functioning.

correctly.

7. **Reassemble:** Once confirmed, reassemble any removed panels or grilles.



Figure 4: Side profile of the Kenwood KFC-C6866S speaker, illustrating its mounting depth for installation planning.

OPERATING INSTRUCTIONS

Once installed, your Kenwood KFC-C6866S speakers will operate in conjunction with your car's head unit (stereo receiver).

- **Power On:** Turn on your car's ignition and the head unit.
- **Volume Adjustment:** Adjust the volume level on your head unit to a comfortable listening level. Avoid excessively high volumes for prolonged periods to prevent speaker damage.
- **Audio Settings:** Utilize your head unit's equalizer, fader, and balance controls to fine-tune the sound to your preference.
- **Break-in Period:** New speakers may benefit from a 'break-in' period of approximately 20-30 hours of normal listening. During this time, the speaker components will loosen up, potentially leading to improved sound quality.

MAINTENANCE

To ensure the longevity and optimal performance of your Kenwood KFC-C6866S 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, which can damage the speaker materials.
- **Protection:** Keep the speakers free from excessive dust, dirt, and moisture. If installed in a location prone to direct sunlight, consider using sun shades to protect the speaker cones from UV degradation.
- **Inspection:** Periodically check the speaker connections to ensure they are secure and free from corrosion.

TROUBLESHOOTING

If you experience issues with your Kenwood KFC-C6866S speakers, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound from speakers	<ul style="list-style-type: none"> Loose or incorrect wiring Head unit not powered on or muted Blown fuse in head unit or vehicle 	<ul style="list-style-type: none"> Check all speaker connections and ensure correct polarity. Verify head unit is on and not muted. Inspect vehicle and head unit fuses.
Distorted or poor sound quality	<ul style="list-style-type: none"> Incorrect audio settings (equalizer, bass boost) Overpowering speakers (volume too high) Damaged speaker cone or voice coil Loose mounting 	<ul style="list-style-type: none"> Adjust head unit audio settings. Reduce volume. Inspect speaker cones for visible damage. Ensure speakers are securely mounted.
One speaker not working	<ul style="list-style-type: none"> Loose connection to that specific speaker Fader/Balance settings incorrect Faulty speaker 	<ul style="list-style-type: none"> Check wiring for the non-working speaker. Adjust fader and balance settings on head unit. If issues persist, the speaker may be faulty and require replacement.

If troubleshooting steps do not resolve the issue, please contact Kenwood customer support or a qualified car audio technician.

SPECIFICATIONS

Feature	Specification
Model Number	KFC-C6866S
Speaker Type	Coaxial, 2-Way
Speaker Size	6x8 Inches
Woofers Material	Paper Cone
Tweeter Type	1-inch PEI Balanced Dome
Maximum Output Power	250 Watts
RMS Power	30 Watts
Impedance	4 Ohms
Frequency Response	Not specified in detail, but typically wide range for car audio.
Connectivity Technology	Coaxial (Wired)

Feature	Specification
Item Dimensions (D x W x H)	11.18"D x 3.27"W x 8.9"H (Approximate, based on product data)
Water Resistance Level	Not Water Resistant

WARRANTY INFORMATION

The Kenwood KFC-C6866S speakers come with a **Limited Warranty**. The manufacturer, KENWOOD, provides a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included with your product or visit the official Kenwood website.

SUPPORT

For further assistance, technical support, or warranty inquiries, please contact Kenwood customer service or visit their official website:

- **Kenwood Official Website:** <https://www.kenwood.com/usa/car/> (or relevant regional site)
- Refer to the contact information provided in your product packaging for direct support numbers or email addresses.