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KEF R600c

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Model: R600c

1. INTRODUCTION

The KEF R600c is a high-performance center channel loudspeaker designed to deliver clear, articulate dialogue and a sophisticated sound experience in home theater systems. Featuring KEF's advanced Uni-Q driver array, it integrates a 1-inch vented aluminum dome tweeter within a 5-inch midrange driver, ensuring a cohesive sound source. This design, complemented by two 5.25-inch bass drivers, provides dynamic, undistorted bass and precise sound reproduction for both music and movies.

2. UNPACKING AND CONTENTS

Carefully remove the loudspeaker from its packaging. Retain all packaging materials for future transport or storage. Ensure all components are present and undamaged.

Expected Contents:

- KEF R600c Center Channel Loudspeaker
- Magnetic Grille
- Instruction Manual (this document)



Image 2.1: KEF R600c with its protective grille removed, showcasing the Uni-Q driver (center) and dual bass drivers.



Image 2.2: KEF R600c with its magnetic grille attached, presenting a sleek appearance.

3. SETUP

3.1 Placement

The R600c is designed as a center channel loudspeaker and should be positioned centrally in your home theater setup, typically above or below your television or projection screen. Its slim profile allows for easy integration into AV racks or under screens. Ensure the speaker is placed on a stable, level surface. For optimal sound, avoid placing the speaker directly against a wall; allow some space for bass port operation if applicable. Experiment with slight adjustments to find the best sound balance for your listening environment.

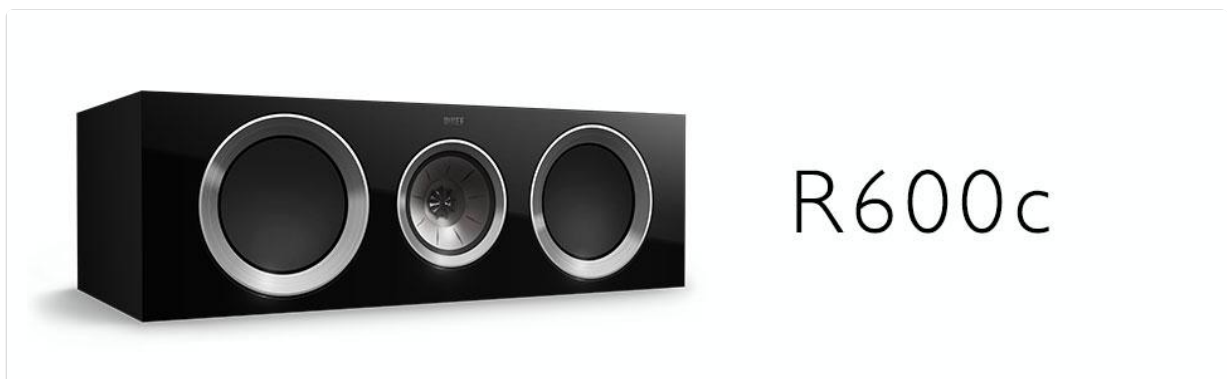


Image 3.1: Example of KEF R600c placement within a home theater system, typically centered below the display.

3.2 Connections

Connect the R600c to the center channel output of your AV receiver or amplifier using high-quality speaker

cables. The R600c supports various connectivity protocols including Speaker Wire, RCA, and XLR, depending on your amplifier's capabilities. Ensure correct polarity by connecting the positive (+) terminal on the speaker to the positive (+) terminal on your amplifier, and the negative (-) terminal on the speaker to the negative (-) terminal on your amplifier. Incorrect polarity can result in poor sound quality and reduced bass response.

Refer to your amplifier's manual for specific connection instructions. Ensure all connections are secure to prevent signal loss or short circuits.

4. OPERATING INSTRUCTIONS

Once properly connected and positioned, the KEF R600c operates as part of your home theater system. Power on your AV receiver and select the appropriate input source. The R600c will reproduce the center channel audio, primarily dialogue, with exceptional clarity and precision due to its Uni-Q driver array. Adjust the volume and sound settings (e.g., channel levels, crossover frequency) through your AV receiver to achieve balanced sound across all speakers in your system.

For optimal performance, allow a break-in period of several hours of listening at moderate volumes. This allows the speaker components to settle and perform at their best.

5. MAINTENANCE

To ensure the longevity and optimal performance of your KEF R600c loudspeaker, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to gently wipe the cabinet and drivers. Avoid using abrasive cleaners, solvents, or liquid sprays, as these can damage the finish or speaker components.
- **Grille Care:** The magnetic grille can be removed for cleaning. Gently brush off any dust. Avoid pressing on the grille fabric or the speaker drivers directly.
- **Environment:** Keep the speaker away from direct sunlight, heat sources, and areas of high humidity. Extreme temperatures or moisture can affect the speaker's performance and lifespan.
- **Handling:** When moving the speaker, always lift it carefully from the base. Avoid dropping or subjecting it to strong impacts.

6. TROUBLESHOOTING

If you encounter issues with your KEF R600c, refer to the following common troubleshooting steps:

- **No Sound:**
 - Ensure the AV receiver/amplifier is powered on and the correct input source is selected.
 - Check all speaker cable connections at both the speaker and the amplifier for secure and correct polarity.
 - Verify that the center channel output is enabled and not muted in your AV receiver's settings.
- **Distorted or Unclear Sound:**
 - Check speaker cable connections for any loose strands or short circuits.
 - Reduce the volume level on your amplifier. Overdriving the speaker can cause distortion.
 - Ensure the speaker is not placed too close to walls or corners, which can cause bass boom or muddy sound.
 - Verify that the speaker impedance setting on your amplifier matches the R600c's 8 Ohm impedance.

- **Uneven Sound or Poor Dialogue Clarity:**

- Confirm the speaker is centrally aligned with your viewing area.
- Adjust the center channel level in your AV receiver's settings to balance it with other speakers.
- Run your AV receiver's automatic room correction system (if available) to optimize speaker levels and equalization.

If the problem persists after attempting these steps, consult your AV receiver's manual or contact KEF customer support.

7. SPECIFICATIONS

The following table details the technical specifications for the KEF R600c Center Channel Loudspeaker:

Feature	Specification
Brand	KEF
Model Name	R600c
Model Number	R600CGB
Speaker Type	Center Channel
Speaker Size	6.5 Inches (Woofer)
Woofer Diameter	6.5 Inches
Tweeter Diameter	1 Inch
Impedance	8 Ohms
Connectivity Protocols	RCA, Speaker Wire, XLR
Item Weight	38 Pounds
Power Source	Corded Electric (via amplifier)
Compatible Devices	Desktop, Home Theater, Laptop, MP3 Player, Projector, Smartphone, Tablet, Television
Audio Output Mode	Stereo (when used as part of a multi-channel system)
Speaker Maximum Output Power	25 Watts (Note: This is likely a misinterpretation of amplifier power handling, refer to KEF's official documentation for full power handling specifications.)

8. WARRANTY AND SUPPORT

The KEF R600c Center Channel Loudspeaker comes with a limited warranty. Please refer to the warranty card included with your product or visit the official KEF website for detailed terms and conditions. For technical support, service, or warranty claims, please contact KEF customer service through their official channels.

You can find more information and support resources on theKEF Store on Amazon or the official KEF website.