

KEF R8a

KEF R8a Dolby Atmos Module Surround Speakers User Manual

Model: R8a

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your KEF R8a Dolby Atmos Module Surround Speakers. The KEF R8a is designed to function as a surround or rear speaker, capable of reflecting sound off the ceiling to enhance the immersive experience of Dolby Atmos audio. It features a 130mm (5.25in.) Uni-Q array with a 25mm (1 in.) tweeter, engineered for precise sound direction and three-dimensional audio reproduction.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 Pair KEF R8a Speakers (Gloss Black)
- 1 Pair Magnetic Grilles
- 1 Product Manual (this document)



Image 1: Front view of the KEF R8a speaker, showcasing the Uni-Q driver array.

3. PRODUCT FEATURES

- **Dolby Atmos Compatibility:** Designed to bounce sound off the ceiling for an immersive, cinematic Dolby Atmos experience.
- **Versatile Placement:** Can be used as surround or rear speakers, wall-mounted, or placed on top of other R Series speakers.
- **Uni-Q Driver Array:** Features a 12th Generation Uni-Q driver (130mm / 5.25in. mid-bass, 25mm / 1in. tweeter) for precise and pure sound reproduction.
- **Magnetic Grilles:** Includes matching precision-cut magnetic cloth grilles for aesthetic integration and driver protection.
- **Acoustic Design:** Engineered to steer sound effectively for genuine 3D audio results.



Image 2: Close-up view of the KEF Uni-Q driver array, highlighting the concentric tweeter and mid-range driver.

4. SETUP AND INSTALLATION

Proper placement and connection are crucial for optimal performance. The KEF R8a offers flexible installation options.

4.1 Placement Options

- **Dolby Atmos Height Speaker:** Place the R8a directly on top of your front or rear floorstanding speakers. Ensure the speaker is stable and positioned to reflect sound off the ceiling towards the listening area.
- **Surround/Rear Speaker (Wall-Mounted):** Utilize the integrated wall mounting bracket to install the R8a on a wall as a side or rear surround speaker. Ensure secure mounting to a stud or using appropriate wall anchors.

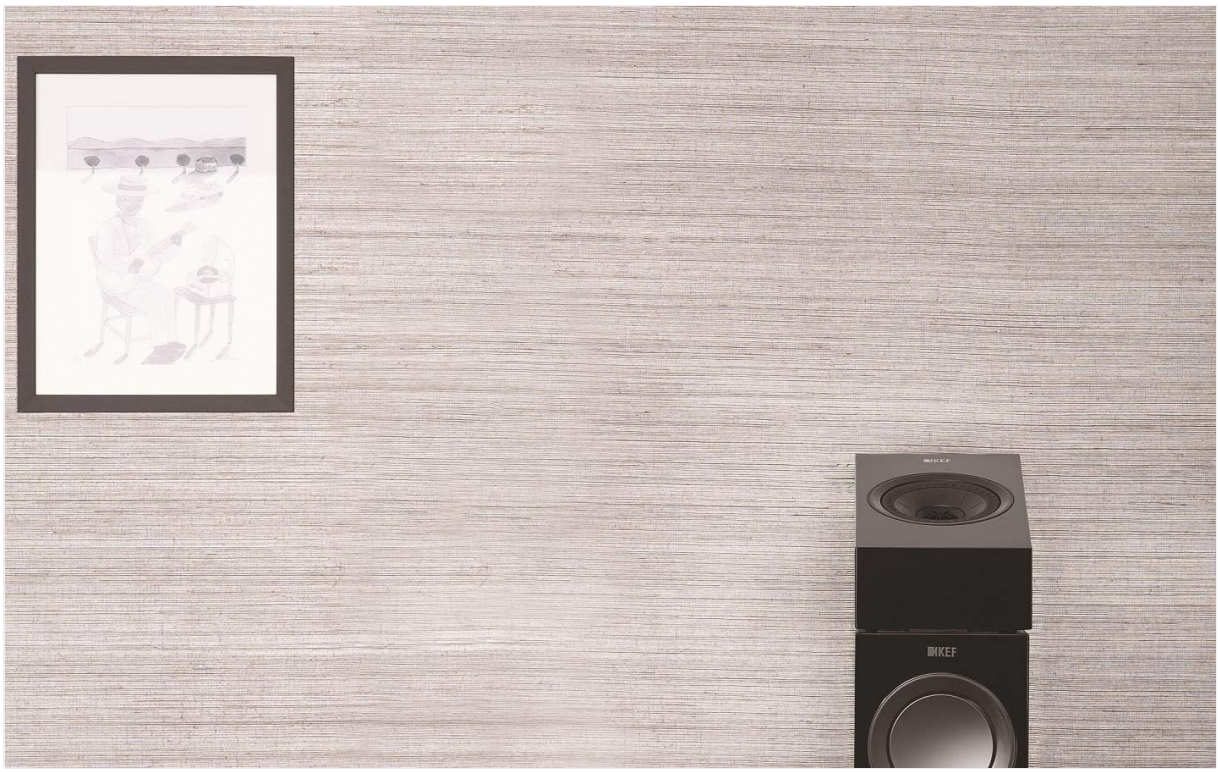


Image 3: KEF R8a speaker positioned on top of a larger floorstanding speaker, demonstrating its use as a Dolby Atmos height module.



Image 4: KEF R8a speaker mounted on a wall, illustrating its use as a surround or rear channel speaker.

4.2 Speaker Connections

Connect the R8a speakers to your amplifier or AV receiver using high-quality speaker cables. Ensure correct polarity (+ to + and - to -) for each speaker to maintain proper phase and sound imaging.

1. Identify the positive (+) and negative (-) terminals on the back of the R8a speaker and your amplifier/receiver.
2. Strip approximately 1/2 inch (12mm) of insulation from the ends of your speaker cables.
3. Twist the bare wire strands tightly.
4. Unscrew the binding posts on the R8a speaker, insert the bare wire, and tighten the posts securely. Ensure no stray wire strands are touching the opposing terminal.
5. Repeat for the amplifier/receiver connections.



Image 5: Rear view of the KEF R8a speaker, showing the speaker terminals and keyhole slots for wall mounting.

5. OPERATING INSTRUCTIONS

Once properly set up and connected, the KEF R8a speakers operate as passive speakers, receiving audio signals from your amplifier or AV receiver. Ensure your amplifier is powered on and configured for the correct input source.

- **Dolby Atmos Configuration:** If using the R8a as Dolby Atmos height speakers, configure your AV

receiver's speaker setup menu to recognize them as "Dolby Enabled Speakers" or "Height Speakers" as appropriate for your system. Refer to your AV receiver's manual for specific instructions.

- **Surround Sound:** When used as traditional surround or rear speakers, ensure your AV receiver is configured for the correct channel assignment (e.g., "Surround L/R" or "Rear Surround L/R").
- **Volume Control:** Adjust the volume using your amplifier or AV receiver's controls. Avoid excessively high volumes that may cause distortion or damage to the speakers.

6. MAINTENANCE

To ensure the longevity and optimal appearance of your KEF R8a speakers, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the speaker cabinets with a soft, dry, lint-free cloth. For the magnetic grilles, a soft brush or vacuum cleaner with a brush attachment can be used to remove dust. Avoid using abrasive cleaners, solvents, or excessive moisture.
- **Grille Care:** The magnetic grilles can be easily removed for cleaning or if you prefer the aesthetic of the exposed drivers. Handle them carefully to avoid bending or damaging the fabric.
- **Placement:** Avoid placing speakers in direct sunlight or near heat sources, as this can affect the finish and internal components.



Image 6: KEF R8a speaker with its magnetic cloth grille attached, providing a clean and protected appearance.

7. TROUBLESHOOTING

If you encounter issues with your KEF R8a speakers, please refer to the following common troubleshooting steps:

- **No Sound:**
 - Check all speaker cable connections at both the speaker and amplifier/receiver. Ensure they are secure and correctly polarized.
 - Verify that your amplifier/receiver is powered on and the correct input source is selected.
 - Confirm that the volume is not muted or set to a very low level.
- **Distorted Sound:**
 - Reduce the volume level on your amplifier/receiver. Excessive volume can cause distortion.
 - Check speaker cable connections for any loose strands or short circuits.
 - Ensure your amplifier's power output is suitable for the R8a speakers' impedance and power handling.
- **Uneven Sound or Poor Imaging:**
 - Verify that all speaker connections have correct polarity (+ to + and - to -).
 - Check speaker placement to ensure they are symmetrically positioned relative to the listening area.
 - If using as Dolby Atmos height speakers, ensure your AV receiver's room correction and speaker setup are properly calibrated.

8. SPECIFICATIONS

Detailed technical specifications for the KEF R8a Dolby Atmos Module Surround Speakers:

Model Name	R8a
Speaker Type	Satellite, Atmos Enabled
Frequency Response (±3dB)	105Hz - 18.5kHz
Impedance	8 Ohm
Speaker Size	5.25 Inches (Uni-Q Driver)
Recommended Amplifier Power	25 - 150 Watts
Product Dimensions (D x W x H)	10.2" x 6.9" x 6.8" (259mm x 174mm x 173mm)
Item Weight	19.6 Pounds (per pair)
Color	Gloss Black
Mounting Type	Wall Mount, On-speaker placement
UPC	637203214080

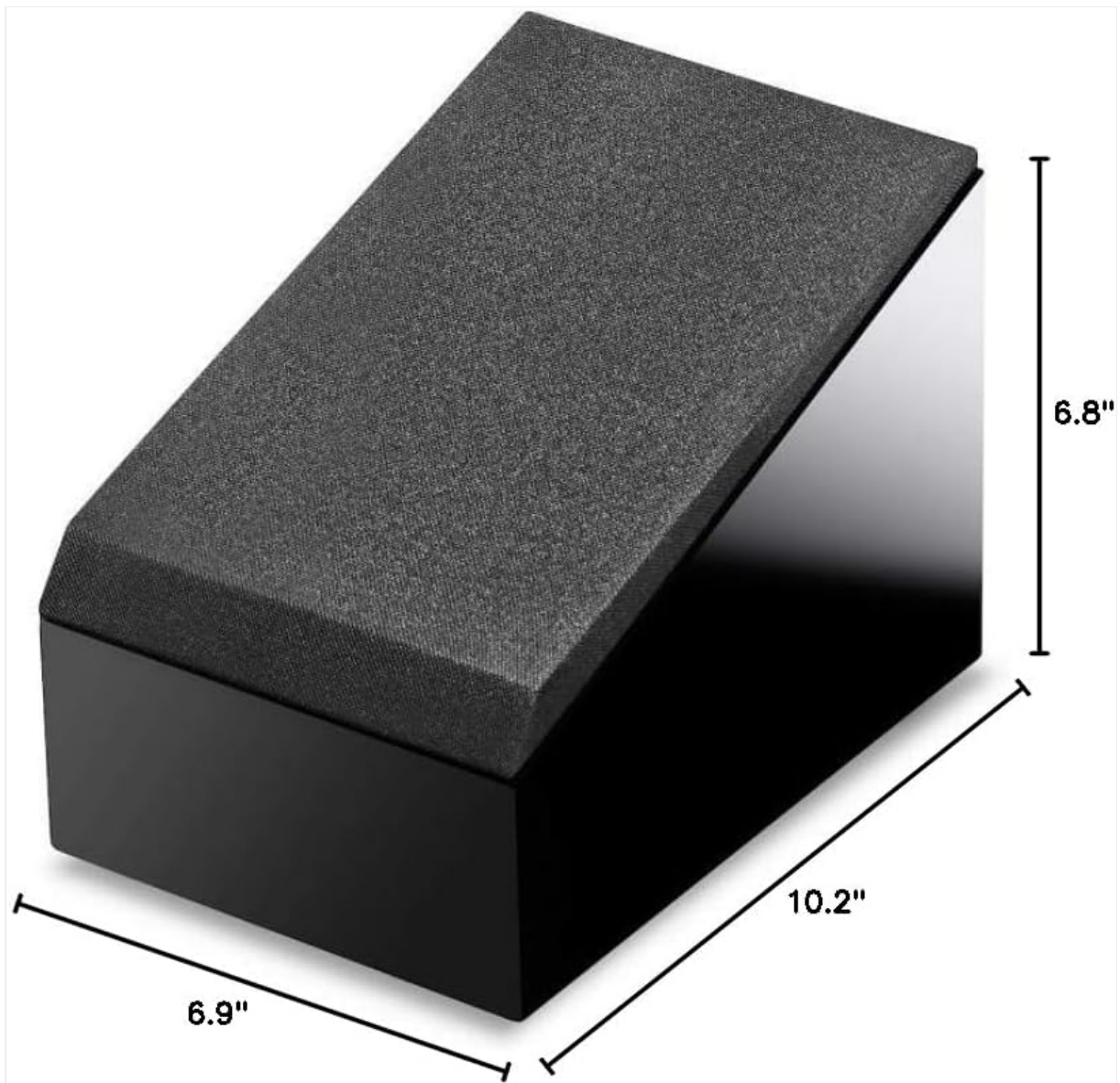



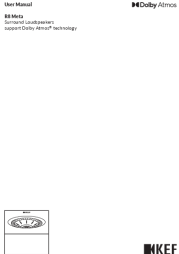
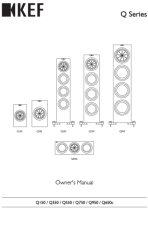
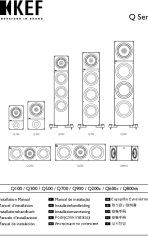
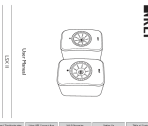
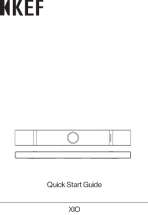
Image 7: Diagram showing the dimensions of the KEF R8a speaker (10.2"D x 6.9"W x 6.8"H).

9. WARRANTY AND SUPPORT

KEF products are manufactured to high standards and are backed by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official KEF website.

For technical support, service inquiries, or additional product information, please contact KEF customer service or visit the official KEF support page. You can find more information and contact details on the [KEF Store on Amazon](#) or the official KEF website.

Related Documents - R8a

	<p>KEF LS60 Wireless: Advanced Wireless Loudspeaker Technology White Paper</p> <p>Explore the cutting-edge technology behind the KEF LS60 Wireless active wireless loudspeaker system, featuring Uni-Q, Uni-Core, Single Apparent Source (SAS), and Metamaterial Absorption Technology for unparalleled audio performance.</p>
	<p>KEF R8 Meta Surround Loudspeakers User Manual and Specifications</p> <p>Official user manual for KEF R8 Meta Surround Loudspeakers. Learn about setup, positioning, connections, safety, and technical specifications. Supports Dolby Atmos technology for immersive audio.</p>
	<p>KEF Q Series Loudspeakers Owner's Manual</p> <p>Comprehensive owner's manual for KEF Q Series loudspeakers, covering installation, connections, positioning, and technical specifications for models Q150, Q350, Q550, Q750, Q950, and Q650c.</p>
	<p>KEF Q Series Loudspeakers: Installation, Connections, and Specifications Manual</p> <p>This manual provides comprehensive installation, connection, positioning, and fault-finding guidance for the KEF Q Series loudspeakers. It includes detailed specifications for models Q100, Q300, Q500, Q700, Q900, Q200c, Q600c, and Q800ds, along with important safety information and contact details for GP Acoustics worldwide.</p>
	<p>KEF LSX II User Manual: Setup, Features, and Operation</p> <p>This user manual provides comprehensive guidance for the KEF LSX II wireless speaker system, covering setup, connectivity, streaming options, KEF Connect app usage, and troubleshooting to ensure optimal audio performance.</p>
	<p>KEF XIO Soundbar Quick Start Guide and Specifications</p> <p>Comprehensive guide for the KEF XIO Soundbar, covering setup, features, specifications, troubleshooting, and wall mounting instructions. Learn how to connect, configure, and optimize your audio experience.</p>