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KEF Kube 15 MIE

KEF Kube 15 MIE 15-Inch Powered Subwoofer User Manual

Model: Kube 15 MIE | Brand: KEF

1. INTRODUCTION

The KEF Kube 15 MIE is a high-performance 15-inch powered subwoofer designed to deliver deep and dynamic bass for both music and home theater applications. Featuring a 300W (RMS) Class D amplifier and KEF's proprietary Music Integrity Engine® (MIE) DSP algorithms, this subwoofer is optimized for exceptional audio reproduction in large rooms. Its design focuses on integrating seamlessly into your audio system to enhance the overall listening experience.



Figure 1: Front view of the KEF Kube 15 MIE 15-inch Powered Subwoofer. This image displays the sleek, black finish and minimalist design of the subwoofer, suitable for various room aesthetics.

2. SAFETY INFORMATION

Please read and retain these safety instructions for future reference. Adherence to these guidelines will ensure safe operation and prolong the life of your KEF Kube 15 MIE subwoofer.

- **Power Source:** Connect the subwoofer only to a power supply of the type indicated on the unit. Ensure the power cord is routed safely to prevent tripping hazards or damage.
- **Ventilation:** Do not block any ventilation openings. Maintain adequate space around the unit for proper airflow to prevent overheating.
- **Water and Moisture:** Do not expose the subwoofer to rain, moisture, dripping, or splashing. Keep liquids away from the unit.
- **Heat Sources:** Avoid placing the subwoofer near heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth for cleaning. Do not use liquid cleaners or aerosol cleaners.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel. Opening or removing covers may expose you to dangerous voltage or other hazards.
- **Placement:** Ensure the subwoofer is placed on a stable, level surface to prevent it from falling.

3. PACKAGE CONTENTS

Verify that all items are present in the packaging:

- 1 KEF Kube 15 MIE Subwoofer
- Power Cord
- User Manual (this document)

4. SETUP

4.1 Placement

The placement of your subwoofer significantly impacts its performance. Consider the acoustics of your room and the desired bass response. The Kube 15 MIE includes three room position EQ options to optimize performance based on its location:

- **Free Space:** For placement away from walls or corners.
- **Wall/Cabinet:** For placement near a wall or inside a cabinet.
- **Corner:** For placement in a room corner, which typically provides the most bass reinforcement.



Figure 2: The KEF Kube 15 MIE subwoofer integrated into a home theater system. This image shows the subwoofer positioned on the left side of a television and two tower speakers, demonstrating a typical placement scenario.



Figure 3: A close-up view of the KEF Kube 15 MIE subwoofer placed adjacent to a KEF tower speaker. This illustrates the relative size and aesthetic integration of the subwoofer within a stereo or home theater setup.

4.2 Connections

The Kube 15 MIE offers versatile connection options to integrate with various audio systems.



Figure 4: Rear panel of the KEF Kube 15 MIE subwoofer. This view highlights the various input terminals, control knobs, and switches for power and settings adjustments.

- **LFE Input (RCA):** For connection to an AV receiver or processor with a dedicated subwoofer output (LFE channel). Use a single RCA cable for this connection.
- **Line Input (RCA):** For connection to a stereo pre-amplifier or integrated amplifier with line-level outputs. Use a pair of RCA cables (Left and Right).
- **Speaker Level Inputs:** For connection to an amplifier's speaker terminals. This is useful if your amplifier does not have dedicated subwoofer or line-level outputs. Use speaker wire to connect to the subwoofer's speaker level terminals.
- **KEF SmartConnect:** This feature automatically detects whether an LFE or Line Input is being used and adjusts the input sensitivity accordingly.



Figure 5: Close-up of the input panel on the KEF Kube 15 MIE. This image clearly shows the Speaker Input terminals, LFE (L) input, and Line Input (L/R) with the SmartConnect feature highlighted.

4.3 Power Connection

Once all audio connections are made, connect the supplied power cord to the subwoofer's power inlet and then to a suitable wall outlet.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Auto Wake Up

The subwoofer features an auto wake-up function. You can select between "Always on" or "Auto wake up" modes using the switch on the rear panel.

- **Always On:** The subwoofer remains powered on continuously.
- **Auto Wake Up:** The subwoofer will automatically enter standby mode when no audio signal is detected and power on when an audio signal is received.



Figure 6: Close-up of the Auto Wake Up switch on the KEF Kube 15 MIE. This switch allows users to select between continuous power or automatic standby/power-on based on audio signal detection.

5.2 Adjusting Settings

The rear panel provides controls for fine-tuning the subwoofer's output to match your room and main speakers.

- **Volume Control:** Adjusts the overall output level of the subwoofer. Start with a low setting and gradually increase until the bass blends seamlessly with your main speakers.
- **Crossover Frequency:** Determines the highest frequency the subwoofer will reproduce. This should typically be set to

complement the low-frequency extension of your main speakers. Consult your main speaker's specifications for guidance.

- **Phase Control:** Adjusts the phase of the subwoofer's output relative to your main speakers. Experiment with 0° and 180° settings to achieve the most coherent bass response.
- **Room Position EQ:** As mentioned in the setup section, use this switch to select the appropriate setting (Free Space, Wall/Cabinet, Corner) based on the subwoofer's physical location in your room.



Figure 7: Close-up of the Room Position EQ switch on the KEF Kube 15 MIE. This switch allows selection between 'Wall / Cabinet', 'In-room', and 'Corner' settings to optimize bass response based on placement.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your KEF Kube 15 MIE subwoofer.

- **Cleaning:** Dust the subwoofer regularly with a soft, dry, lint-free cloth. For stubborn marks, lightly dampen the cloth with water. Avoid using abrasive cleaners, solvents, or chemical sprays, as these can damage the finish.
- **Grille Care:** The fabric grille can be gently vacuumed to remove dust. Do not wash or immerse the grille in water.
- **Placement Environment:** Avoid placing the subwoofer in direct sunlight or in areas with extreme temperature fluctuations or high humidity.
- **Power Cord:** Periodically check the power cord for any signs of damage. If damaged, replace it with an approved KEF replacement cord.

7. TROUBLESHOOTING

If you encounter issues with your KEF Kube 15 MIE subwoofer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No sound from subwoofer	<ul style="list-style-type: none">• Power not connected or switched off.• Input cables not connected correctly.• Volume too low.• Auto wake-up not activating.	<ul style="list-style-type: none">• Ensure power cord is securely connected and power switch is on.• Check all audio cables (LFE, Line, Speaker Level) for secure connection.• Increase the subwoofer volume control.• Switch the 'Auto wake up' setting to 'Always on' to test if the issue is with signal detection.
Distorted or boomy bass	<ul style="list-style-type: none">• Volume too high.• Incorrect crossover frequency.• Incorrect phase setting.• Subwoofer placement.	<ul style="list-style-type: none">• Reduce the subwoofer volume.• Adjust the crossover frequency to blend better with main speakers.• Toggle the phase control (0°/180°) to find the optimal setting.• Experiment with different room position EQ settings or reposition the subwoofer.
Subwoofer hums or buzzes	<ul style="list-style-type: none">• Ground loop issue.• Faulty cable.	<ul style="list-style-type: none">• Try connecting the subwoofer to a different electrical outlet.• Ensure all cables are high quality and properly shielded. Try replacing the RCA cable.

If the problem persists after attempting these solutions, please contact KEF customer support for further assistance.

8. SPECIFICATIONS

Detailed technical specifications for the KEF Kube 15 MIE 15-inch Powered Subwoofer:

Feature	Detail
Model Name	Kube15MIE
Speaker Type	Subwoofer
Special Features	Bass Boost, Hi Res Audio
Recommended Uses	For Computers, For DVD Players, For Gaming Consoles, For Surround Sound Systems, For Televisions
Compatible Devices	Home Theater, Television
Subwoofer Diameter	15 Inches
Unit Count	1.0 Count
Surround Sound Channel Configuration	5.1
Color	Black
Included Components	1 Kube 15 MIE Subwoofer
Product Dimensions (D x W x H)	20.3" x 19.7" x 20.4" (51.56 cm x 50.04 cm x 51.82 cm)
Item Weight	60.5 pounds (27.5 Kilograms)
Water Resistance Level	Not Water Resistant
Power Source	Corded Electric
Speaker Maximum Output Power	300 Watts (RMS)
Connectivity Technology	RCA, Wired
Control Method	Touch (referring to physical controls/switches)
Manufacturer	KEF
Item Model Number	SP4102B0CA
UPC	637203050213









Figure 8: Dimensional drawing of the KEF Kube 15 MIE subwoofer, indicating its height (20.4"), width (19.7"), and depth (20.3").

9. WARRANTY AND SUPPORT

The KEF Kube 15 MIE subwoofer comes with 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, troubleshooting assistance beyond what is provided in this manual, or warranty claims, please contact KEF customer support through their official website or authorized service centers. Ensure you have your product model number (Kube 15 MIE) and serial number available when contacting support.

Official KEF Website: us.kef.com

 <p>KEF</p>	<p>KEF Kube Powered Subwoofer User Manual</p> <p>Comprehensive user manual for the KEF Kube series of powered subwoofers, detailing setup, connections, controls, positioning, and specifications for models Kube 8 MIE, 10 MIE, 12 MIE, and 15 MIE.</p>
 <p>KEF</p> <p>User Manual</p> <p>KW2 RX Receiver</p>	<p>KEF KW2 RX Receiver User Manual</p> <p>User manual for the KEF KW2 RX Receiver, detailing setup, connections, and troubleshooting for compatible KEF subwoofers and non-KEF subwoofers.</p>
 <p>KEF</p> <p>User Manual</p> <p>KW2 RX Receiver</p>	<p>KEF KW2 RX Receiver User Manual: Setup, Pairing, and Troubleshooting</p> <p>Comprehensive user manual for the KEF KW2 RX Receiver, covering setup, connection to KEF and non-KEF subwoofers, pairing with XIO devices, and basic LED indication troubleshooting.</p>
 <p>KEF</p> <p>Quick Start Guide</p> <p>KW2 RX Receiver</p>	<p>KEF KW2 RX Receiver User Manual and Quick Start Guide</p> <p>Comprehensive guide for the KEF KW2 RX Receiver wireless adapter, detailing setup, connections to KEF and third-party subwoofers, pairing with XIO, LED status indicators, troubleshooting FAQs, technical specifications, safety guidelines, and warranty information.</p>
 <p>KEF</p> <p>User Manual</p> <p>KW1 RX Receiver Wireless Subwoofer Adapter</p> <p>English • Deutsch • Français • Español • 繁體中文 • 日本語</p>	<p>KEF KW1 RX Receiver User Manual - Wireless Subwoofer Adapter</p> <p>User manual for the KEF KW1 RX Receiver, a wireless subwoofer adapter. Provides setup, connection, pairing, and specifications for the KEF wireless subwoofer system.</p>
 <p>KEF</p>	<p>KEF KC92 Subwoofer User Manual</p> <p>Comprehensive user manual for the KEF KC92 powered subwoofer, covering setup, connections, controls, positioning, and specifications. Learn how to connect, operate, and maintain your KEF KC92 subwoofer for optimal audio performance.</p>