

KEF KUBE12

KEF Kube12b 12 Inch 300 Watt Powered Subwoofer Instruction Manual

Model: KUBE12

INTRODUCTION

The KEF Kube12b is a 300W 12-inch front-firing, sealed box powered subwoofer designed to deliver powerful and musical bass. This manual provides essential information for setting up, operating, and maintaining your subwoofer to ensure optimal performance.

KEY FEATURES

- **Powerful Output:** 300W 12-inch front-firing, sealed box powered subwoofer.
- **Custom EQ Settings:** Includes 3 pre-programmed custom EQ settings for free-standing, corner, and wall/in-cabinet installations to suit your room setup.
- **Adjustable Controls:** Customize your subwoofer further by adjusting gain, phase, low-pass filter, and crossovers.
- **KEF Smart Compression Limiting:** Allows the subwoofer to play louder while maintaining dynamic and musical performance.
- **KEF Smart Connect:** Automatically detects LFE or stereo input and adjusts the subwoofer's volume level accordingly.

PRODUCT OVERVIEW



Front View: The KEF Kube12b subwoofer features a sleek black finish with a minimalist front grille, concealing the powerful 12-inch driver. The KEF logo is subtly placed on the top surface.



Rear Panel: This image displays the rear panel of the KEF Kube12b, showing the various input/output connections, control knobs for gain and low-pass filter, phase switch, and EQ mode selector. The power input and on/off switch are also visible.



Dimensions: An illustration of the KEF Kube12b subwoofer with its dimensions clearly marked: 16.1 inches deep, 16.1 inches wide, and 15 inches high. This provides a visual reference for its compact size.

OFFICIAL PRODUCT VIDEOS

Video: KEF KUBE Subwoofers, Options for every room.

This official KEF video provides an overview of the KUBE subwoofer series, highlighting their design and versatility for various room setups. It demonstrates how KUBE subwoofers can integrate into different home audio environments.

Video: KEF Subwoofer Range.

An official KEF video showcasing the broader range of KEF subwoofers. While not exclusively focused on the Kube12b, it illustrates the brand's commitment to bass performance and design across its subwoofer lineup.

SETUP AND CONNECTIVITY

The KEF Kube12b offers versatile connectivity options to integrate with almost any audio system.

Connections:

- **Line Input (RCA):** Connect to the LFE output or stereo line-level outputs of your AV receiver or amplifier.
- **Speaker Level Inputs:** For amplifiers without line-level outputs, connect directly to your amplifier's speaker terminals.
- **Line Output (RCA):** Allows for daisy-chaining multiple subwoofers or connecting to other audio equipment.
- **Power Input:** Connect the provided power cord to a suitable electrical outlet.

Placement:

Optimal placement is crucial for bass performance. Experiment with different locations in your room. The Kube12b includes pre-programmed EQ settings to compensate for placement:

- **Free Standing:** For open room placement.
- **Corner:** For placement in a room corner.
- **Wall/In-Cabinet:** For placement against a wall or inside a cabinet.

Adjust the EQ mode on the rear panel to match your chosen placement for the best sound.

OPERATING INSTRUCTIONS

After connecting your Kube12b subwoofer, follow these steps for operation:

1. **Power On:** Flip the power switch on the rear panel to the 'ON' position. The KEF Smart Connect feature will automatically detect input.
2. **Adjust Gain (Volume):** Use the 'Gain' knob to set the overall volume level of the subwoofer. Start at a low level and gradually increase until it blends seamlessly with your main speakers.

3. **Set Low-Pass Filter:** The 'Low-Pass' knob controls the upper frequency limit of the subwoofer. Adjust this to ensure a smooth transition between the subwoofer and your main speakers. A common starting point is 80Hz.
 4. **Phase Adjustment:** Use the 'Phase' switch (0° or 180°) to ensure the subwoofer's output is in phase with your main speakers. Listen for the most impactful and coherent bass.
 5. **EQ Mode Selection:** Select the appropriate EQ mode (Free Standing, Corner, Wall/In-Cabinet) based on your subwoofer's physical placement in the room.
-

MAINTENANCE

To ensure the longevity and optimal performance of your KEF Kube12b subwoofer, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the cabinet. Avoid abrasive cleaners or solvents.
 - **Placement Environment:** Place the subwoofer in a stable location, away from direct sunlight, heat sources, and excessive moisture. Ensure adequate ventilation around the unit.
 - **Cable Management:** Ensure all cables are securely connected and not under strain. Avoid placing heavy objects on cables.
 - **Dust Protection:** Regularly dust the unit to prevent accumulation, which can affect performance and aesthetics.
-

TROUBLESHOOTING

If you encounter issues with your KEF Kube12b, refer to the following common troubleshooting tips:

- **No Sound:**
 - Check if the subwoofer is powered on and the power cable is securely connected.
 - Verify that the audio input cables (RCA or speaker level) are correctly connected to both the subwoofer and your amplifier/receiver.
 - Ensure the 'Gain' knob is not set to minimum and the 'Low-Pass' filter is appropriately set.
 - Confirm that your amplifier/receiver's subwoofer output is enabled and volume is adjusted.
 - **Distorted Sound:**
 - Reduce the 'Gain' level on the subwoofer.
 - Check for loose connections or damaged cables.
 - Ensure the subwoofer is not placed too close to walls or corners, which can cause excessive resonance. Adjust EQ mode if necessary.
 - **Humming Noise:**
 - Try connecting the subwoofer to a different electrical outlet.
 - Ensure all audio cables are high quality and properly shielded.
 - Check for ground loop issues. A ground loop isolator may be required.
-

SPECIFICATIONS

Feature	Detail
Model Name	KUBE12B
Speaker Type	Subwoofer
Special Feature	Bass Boost
Recommended Uses	For Computers, For DVD Players, For Gaming Consoles, For Surround Sound Systems, For Televisions, Home Entertainment Systems
Compatible Devices	Television
Subwoofer Diameter	12 Inches
Unit Count	1.0 Count
Surround Sound Channel Configuration	5.1
Color	Black
Included Components	Subwoofer
Product Dimensions	16.1"D x 16.1"W x 15"H
Item Weight	44 Pounds
Is Waterproof	FALSE
Warranty Type	Full Warranty
Number of Items	1
Control Method	Remote
Speaker Size	12 Inches
Power Source	Corded Electric
Signal-to-Noise Ratio	3 dB
Woofer Diameter	12 Inches
Water Resistance Level	Not Water Resistant
Audio Driver Type	Dynamic Driver
Audio Driver Size	12 Inches
Subwoofer Connectivity Technology	Wired

Number Of Circuits	1
Number of Power Levels	1
Series Number	12
UPC	637203215322
Style	12" Subwoofer
Manufacturer	KEF
Shape	rectangular prism
Speaker Maximum Output Power	300 Watts
Connectivity Technology	RCA, Speaker level inputs
Audio Output Mode	Mono
Mounting Type	Floor Standing

WARRANTY AND SUPPORT

The KEF Kube12b comes with a full manufacturer's warranty. For detailed warranty terms and conditions, please refer to the documentation included with your product or visit the official KEF website. For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact KEF customer support.
