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KEF T301c

KEF T301C Center Channel Speaker Instruction Manual

Model: T301c | Brand: KEF

INTRODUCTION

The KEF T301C is a high-performance center channel speaker designed to complement modern flat-screen televisions and home theater systems. Its slim profile allows for seamless integration into various living spaces, whether wall-mounted or placed on a stand. This manual provides essential information for setting up, operating, and maintaining your T301C speaker to ensure optimal performance and longevity.



Figure 1: Front view of the KEF T301C Center Channel Speaker in black.

SETUP

1. Unpacking and Inspection

Carefully remove the speaker from its packaging. Inspect the speaker for any signs of damage during transit. Ensure all included accessories, such as wall mounting brackets or stand components, are present.

2. Placement Options

The KEF T301C offers versatile placement options to suit your home theater setup:

- **Wall Mounting:** The speaker can be mounted directly to a wall, ideal for installations where space is limited or a flush aesthetic is desired. Wall mounting hardware and a template are typically included.
- **Stand Mounting:** For flexible placement, the speaker can be positioned on its own stand (sold separately or included

depending on package). The stand allows for easy repositioning and can be adjusted for optimal listening angles.



Figure 2: KEF T301C speaker integrated into a wall-mounted home theater setup.



Figure 3: The slim profile of the KEF T301C allows for discreet wall mounting.

3. Connecting the Speaker

The T301C speaker connects to your audio receiver or amplifier using a coaxial connection. Ensure your receiver supports a center channel output.

1. Locate the speaker terminals on the rear of the T301C.
2. Connect the positive (+) terminal of the speaker to the positive (+) center channel output on your receiver.
3. Connect the negative (-) terminal of the speaker to the negative (-) center channel output on your receiver.
4. Ensure all connections are secure to prevent signal loss or short circuits.

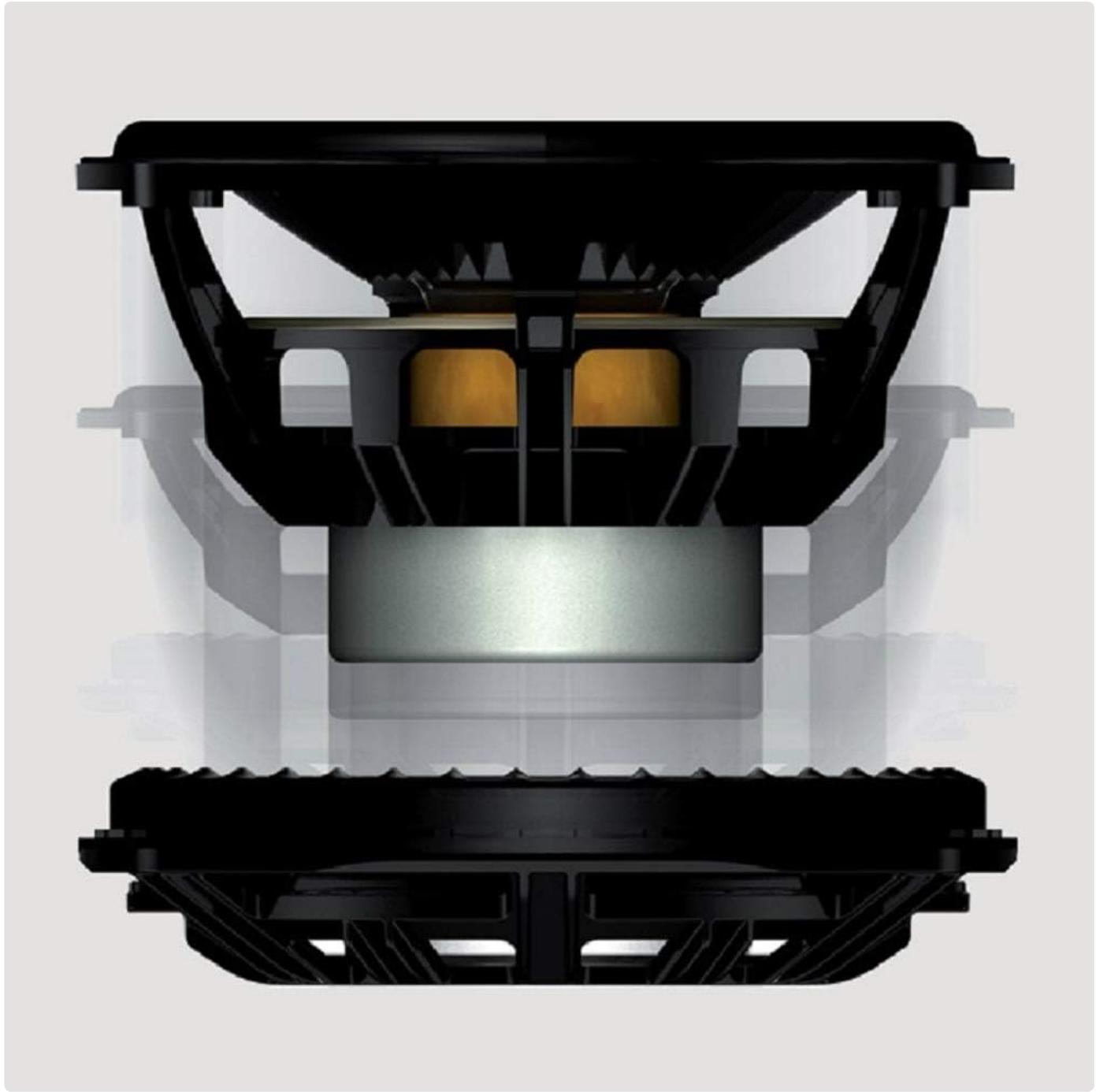


Figure 4: Rear panel of the KEF T301C, highlighting the speaker terminals and wall mount keyhole.

OPERATING THE SPEAKER

The KEF T301C is designed to deliver clear and precise dialogue and central sound effects in a home theater environment. It features two 4.5-inch double-layered mid-frequency drivers and a 1-inch aluminum tweeter, providing a frequency response of 80Hz - 30kHz.

- **Audio Source:** Connect your DVD players, gaming consoles, or televisions to your audio receiver, which will then send the center channel audio to the T301C.

- **Receiver Settings:** For optimal performance, configure your audio receiver's settings to recognize the T301C as a center channel speaker. Adjust speaker size (typically "small" for speakers without deep bass extension), crossover frequency (recommended 80Hz or higher), and channel levels according to your receiver's calibration system.
- **Sound Reproduction:** The T301C excels in reproducing vocal clarity and central soundstage elements, crucial for an immersive surround sound experience (compatible with 5.1 and 7.1 surround sound configurations).



Figure 5: Detailed view of the KEF T301C's internal driver components, including the 4.5-inch mid-frequency drivers and 1-inch tweeter.

MAINTENANCE

To ensure the longevity and optimal performance of your KEF T301C speaker, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the speaker cabinet. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the finish or internal components.
- **Grille Care:** The speaker grille can be carefully removed for cleaning if necessary. Use a soft brush or vacuum cleaner with a brush attachment to remove dust. Reattach the grille securely.

- **Placement Environment:** Avoid placing the speaker in direct sunlight, near heat sources, or in areas with high humidity. Extreme temperatures or moisture can affect the speaker's performance and lifespan.
- **Connections:** Periodically check speaker cable connections at both the speaker and receiver ends to ensure they remain secure and free from corrosion.

TROUBLESHOOTING

If you encounter issues with your KEF T301C speaker, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect cable connections; receiver not configured for center channel; speaker damaged.	Check all speaker wire connections at both the speaker and receiver. Ensure positive (+) and negative (-) terminals are correctly matched. Verify receiver settings for center channel output. Test with another speaker if available.
Distorted or unclear sound	Overdriving the speaker; incorrect receiver settings (e.g., crossover); damaged driver.	Reduce volume level. Check receiver's speaker calibration and crossover settings. Ensure the crossover frequency is set appropriately (e.g., 80Hz or higher) to prevent the speaker from attempting to reproduce very low bass frequencies.
Banana plug connectors do not fit	Tight fit or specific angle required; protective caps in terminals.	Some terminals may have protective caps that need to be removed before inserting banana plugs. Ensure the banana plugs are fully inserted and aligned correctly. If issues persist, use bare wire connections.
Speaker sounds too bright or dull	Room acoustics; receiver equalization settings.	Adjust your receiver's equalization (EQ) settings or room correction features. Experiment with speaker placement to optimize sound dispersion.

SPECIFICATIONS

Key technical specifications for the KEF T301C Center Channel Speaker:

Model Name: T301C

Speaker Type: Center Channel

Frequency Response: 80Hz - 30kHz

Drivers: Two 4.5-inch double-layered mid-frequency drivers, One 1-inch aluminum tweeter

Product Dimensions (D x W x H): 1.4" x 23.6" x 5.5"

Item Weight: 6 Pounds

Impedance: 8 Ohm

Speaker Maximum Output Power: 75 Watts

Connectivity Technology: Coaxial

Mounting Type: Wall Mount

Color: Black

UPC: 637203207761

Recommended Uses: For DVD Players, For Gaming Consoles, For Surround Sound Systems, For Televisions

Surround Sound Channel Configuration: 5.1, 7.1



Actual size.



Figure 6: The ultra-slim profile of the KEF T301C, demonstrating its minimal depth.

WARRANTY AND SUPPORT

Warranty Information

The KEF T301C Center Channel Speaker comes with a **Limited Warranty**. For specific details regarding the terms, duration, and coverage of your warranty, please refer to the documentation included with your purchase or visit the official KEF website. Please note that any warranty provided by the manufacturer is separate from any "as-is" disclaimers from third-party sellers.

Customer Support

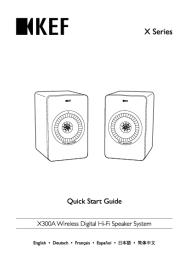
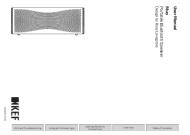
For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact KEF customer support directly. You can typically find contact information on the official KEF website (us.kef.com) or in your product packaging.

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - T301c

 KEF LSX KEF LSX	<u>KEF LSX</u> KEF LSX
 KEF Muo Portable Bluetooth Speaker Quick Start Guide Concise quick start guide for the KEF Muo portable Bluetooth speaker, detailing setup, controls, LED indicators, and app integration. Features design by Ross Lovegrove.	<u>KEF Muo Portable Bluetooth Speaker Quick Start Guide</u> Concise quick start guide for the KEF Muo portable Bluetooth speaker, detailing setup, controls, LED indicators, and app integration. Features design by Ross Lovegrove.

	<p>KEF KIT100 Instant Theatre Service Manual</p> <p>Comprehensive service manual for the KEF KIT100 Instant Theatre system, detailing block diagrams, wiring diagrams, PCB layouts, schematic diagrams, and part lists for servicing and repair.</p>
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	<p>KEF Muo Portable Bluetooth Speaker User Manual</p> <p>Comprehensive user manual for the KEF Muo portable Bluetooth speaker, covering setup, features like TWS pairing and app control, troubleshooting, and maintenance. Experience premium Hi-Fi audio with elegant design.</p>