

RCF SUB 705-AS MK3

RCF SUB 705-AS MK3 Active Subwoofer User Manual

Model: SUB 705-AS MK3

INTRODUCTION

This user manual provides essential information for the safe and effective operation of your RCF SUB 705-AS MK3 Active Subwoofer. The SUB 705-AS MK3 is a portable 15-inch high-power active subwoofer designed for live sound applications. It features a powerful Class-D amplifier and a high-power ceramic magnetic circuit transducer, capable of delivering sound pressure levels up to 131 dB. This subwoofer is an ideal complement for 8-inch or 10-inch loudspeakers, offering robust performance in various settings. Its rugged all-wood cabinet with a scratch-resistant polyurea coating ensures durability and ease of transport. Please read this manual thoroughly before using the product.

SAFETY INFORMATION

Always observe the following safety precautions to prevent electric shock, fire, or damage to the unit.

- **Power Source:** Connect the unit only to an AC power outlet of the type specified on the unit. Ensure the power cord is not damaged or pinched.
- **Grounding:** The unit must be properly grounded to prevent electric shock.
- **Moisture:** Do not expose the unit to rain or moisture. Do not place objects filled with liquids, such as vases, on the unit.
- **Ventilation:** Ensure adequate ventilation. Do not block ventilation openings. Install the unit according to the manufacturer's instructions.
- **Heat:** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- **Servicing:** Do not attempt to service this unit yourself. Refer all servicing to qualified service personnel.
- **Cleaning:** Unplug the unit from the wall outlet before cleaning. Use a dry cloth for cleaning.
- **Overload:** Do not overload wall outlets or extension cords as this can result in a risk of fire or electric shock.

KEY FEATURES

The RCF SUB 705-AS MK3 offers a range of features designed for professional audio performance:

- PA Active Subwoofer for enhanced bass response.
- High-power ceramic magnetic circuit transducer.
- Powerful Class-D amplifier delivering up to 131 dB SPL.
- Rear panel controls for volume, EQ, polarity, and crossover frequency selection.
- Rugged all-wood cabinet with scratch-resistant polyurea coating for durability.
- Designed for small to mid-sized venues and portable applications.
- Integrated pole mount for satellite speaker placement.

PACKAGE CONTENTS

Upon unpacking your RCF SUB 705-AS MK3, please ensure all the following items are present:

- RCF SUB 705-AS MK3 Active Subwoofer Unit
- Power Cable
- User Manual (this document)



Image: The RCF SUB 705-AS MK3 Active Subwoofer, shown from an angled perspective, illustrating its compact and robust design. The package typically includes the subwoofer unit, a power cable, and the user manual.

SETUP GUIDE

Follow these steps to set up your RCF SUB 705-AS MK3 for optimal performance.

Physical Placement

The placement of your subwoofer significantly impacts sound quality. Consider the following:

- **Corner Placement:** Placing the subwoofer in a corner can enhance bass output due to room acoustics, but may also lead to boomy sound.
- **Wall Placement:** Placing it against a wall can also reinforce bass.

- **Room Integration:** Experiment with different positions to find the best balance of bass response and integration with your main speakers.
- **Stability:** Ensure the subwoofer is placed on a stable, level surface. The unit weighs approximately 77 pounds.

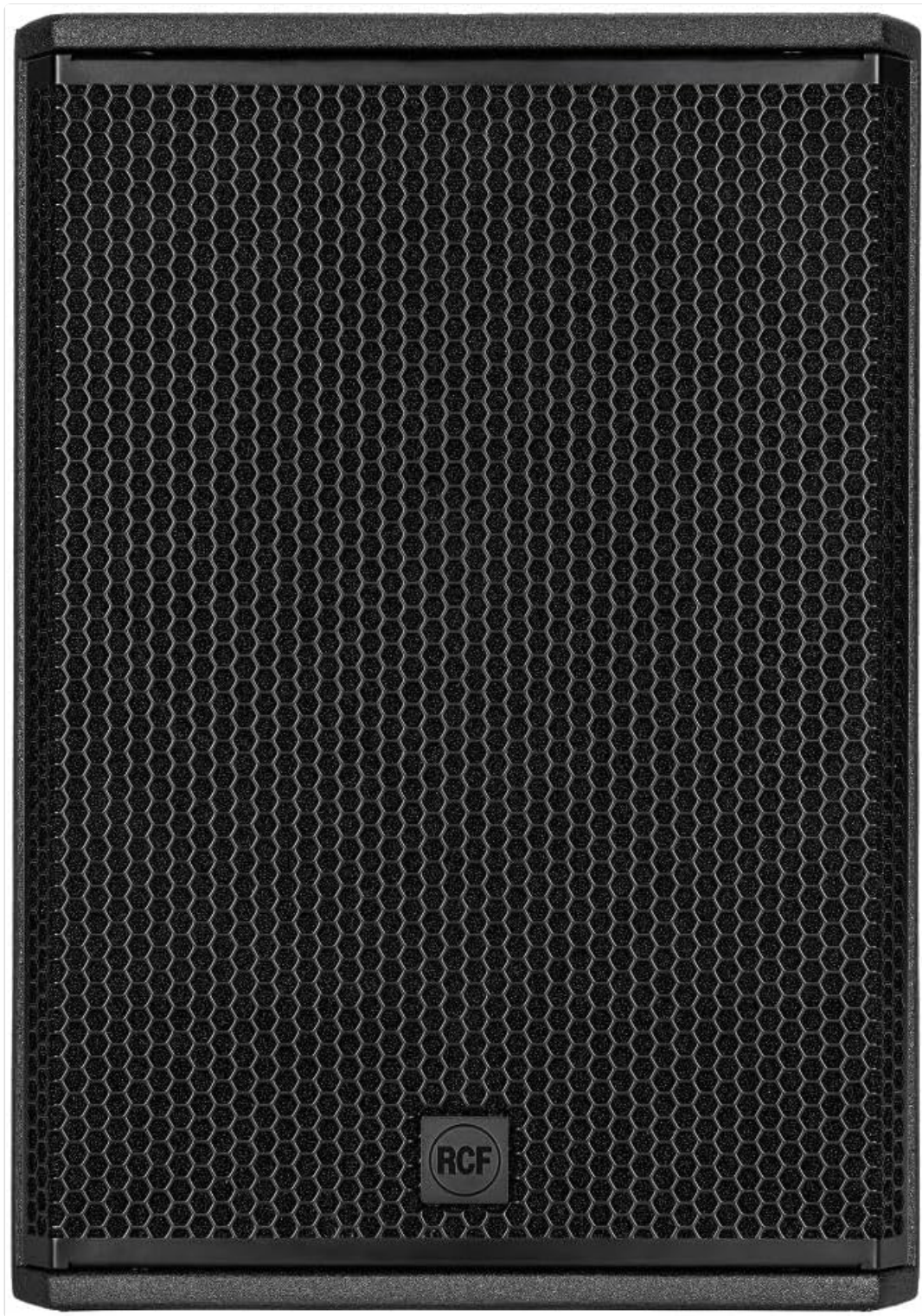


Image: Front view of the RCF SUB 705-AS MK3 Active Subwoofer, showcasing its protective grille and robust construction. Proper placement is crucial for optimal sound.

Connections

The SUB 705-AS MK3 features XLR connectivity for professional audio systems.

- **Input:** Connect your audio source (e.g., mixer, audio interface) to the XLR input(s) on the rear panel.
- **Output:** Use the XLR output(s) to connect to your main loudspeakers, allowing for a full-range signal or a high-pass filtered signal depending on your setup.

- **Power:** Connect the supplied power cable to the AC inlet on the rear panel and then to a suitable power outlet.



Image: Rear panel of the RCF SUB 705-AS MK3 Active Subwoofer, detailing the XLR input/output connections, power inlet, and various control knobs for volume, EQ, polarity, and crossover frequency.

OPERATION

Once the subwoofer is physically set up and connected, you can begin operation.

Initial Power-On

1. Ensure all connections (audio and power) are secure.
2. Turn the volume control on the subwoofer to its minimum setting.
3. Switch on the power using the power switch located on the rear panel.

4. Gradually increase the volume to a desired listening level.

Controls and Adjustments

The rear panel provides controls for fine-tuning the subwoofer's performance:

- **Volume:** Adjusts the overall output level of the subwoofer.
- **EQ:** Allows for basic tonal adjustments to suit your environment or preference.
- **Polarity:** Reverses the phase of the subwoofer's output. This can be useful for optimizing bass response and integration with main speakers, especially if they are out of phase.
- **Crossover Frequency:** Sets the upper frequency limit for the subwoofer. This determines where the subwoofer takes over from your main speakers. Adjust this to blend seamlessly with your full-range speakers.

Recommended Usage

The RCF SUB 705-AS MK3 is recommended for various applications:

- For professional audio systems in small to mid-sized venues.
- As part of a surround sound system for enhanced low-frequency effects.
- For home entertainment setups requiring powerful and clear bass.
- Ideal for party settings where robust bass is desired.



Image: Side view of the RCF SUB 705-AS MK3 Active Subwoofer, highlighting the integrated handle for easy portability. This design feature makes it suitable for mobile setups and quick transport.



Image: Top view of the RCF SUB 705-AS MK3 Active Subwoofer, clearly showing the integrated pole mount insert. This allows for convenient stacking of a full-range speaker on top of the subwoofer.

MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your subwoofer.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners, waxes, or solvents.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** If storing the unit for an extended period, ensure it is in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** Always use the integrated handles when moving the subwoofer to prevent damage to the unit or injury to yourself.

TROUBLESHOOTING

If you encounter issues with your RCF SUB 705-AS MK3, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
No power	Power cable disconnected; Power outlet faulty; Unit's power switch off	Check power cable connection; Try a different outlet; Ensure power switch is ON
No sound output	Input cable disconnected/faulty; Volume too low; Crossover frequency set too high/low; Source device not playing	Check input cable and connections; Increase volume; Adjust crossover frequency; Verify source device is active
Distorted sound	Input signal too high (clipping); Volume too high; Faulty cable	Reduce input signal level from source; Lower subwoofer volume; Replace audio cables
Humming or buzzing noise	Ground loop; Nearby electronic interference; Faulty cable	Ensure proper grounding; Move unit away from other electronics; Try different cables; Use a ground loop isolator

TECHNICAL SPECIFICATIONS

Detailed specifications for the RCF SUB 705-AS MK3 Active Subwoofer:

Specification	Value
Model Name	SUB 705-AS MK3
Speaker Type	Subwoofer
Subwoofer Diameter	15 Inches
Speaker Maximum Output Power	600 Watts
Frequency Response	40 Hz (4E+1 Hz)
Connectivity Technology	XLR (Wired)
Power Source	Corded Electric
Material	Wood or MDF
Product Dimensions (L x W x H)	25.51 x 25.12 x 18.82 inches
Item Weight	77 pounds
Mounting Type	Tabletop Mount (with pole mount insert)

WARRANTY INFORMATION

The RCF SUB 705-AS MK3 Active Subwoofer comes with a Limited Warranty. For specific details regarding the terms, conditions, and duration of your warranty, please refer to the warranty card included with your product or visit the official RCF website. Retain your proof of purchase for any warranty claims.

CUSTOMER SUPPORT

Should you require further assistance, technical support, or have questions not covered in this manual, please contact RCF customer support. Visit the official RCF website for contact information, FAQs, and additional resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question