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› Polk Audio RM6750 5.1 Channel Home Theater Speaker System User Manual

## **Polk Audio RM6750**

# **Polk Audio RM6750 5.1 Channel Home Theater Speaker System User Manual**

Model: RM6750

## **INTRODUCTION**

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Welcome to your Polk Audio RM6750 5.1 Channel Home Theater Speaker System. This manual provides essential information for setting up, operating, and maintaining your speaker system to ensure optimal performance and longevity. The RM6750 system is designed to deliver a complete surround sound experience for your home theater. It includes two front speakers, two surround speakers, one center channel speaker, and one subwoofer.



Image: The Polk Audio RM6750 5.1 Channel Home Theater Speaker System, showing the subwoofer, center channel, and satellite speakers.

## PACKAGE CONTENTS

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Verify that all components are present in the package:

- 2 Front Satellite Speakers
- 2 Surround Satellite Speakers
- 1 Center Channel Speaker
- 1 Powered Subwoofer

## SETUP

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### Speaker Placement

Proper speaker placement is crucial for optimal sound performance. Consider the following guidelines:

- **Front Speakers:** Place the front left and right speakers equidistant from your primary listening position and from each other. They should form an equilateral triangle with the listening position.
- **Center Channel Speaker:** Position the center speaker directly above or below your television, centered

horizontally. This speaker handles dialogue.

- **Surround Speakers:** Place the surround left and right speakers to the sides or slightly behind the listening position, ideally at ear level or slightly above.
- **Subwoofer:** The subwoofer can be placed almost anywhere in the room, but experimentation is recommended to find the best bass response. Corner placement often enhances bass output.

## Connecting the Speakers

Ensure your receiver or amplifier is turned off before making any connections.

1. **Satellite and Center Channel Speakers:** Connect the speaker wires from your receiver's corresponding speaker outputs (Front Left, Front Right, Center, Surround Left, Surround Right) to the binding posts on each satellite and center channel speaker. Ensure positive (+) terminals on the receiver connect to positive (+) terminals on the speakers, and negative (-) to negative (-).
2. **Subwoofer:** Connect the subwoofer to your receiver's LFE (Low-Frequency Effects) or Subwoofer Pre-Out jack using an RCA cable. Plug the subwoofer's power cord into an AC outlet.

## OPERATING INSTRUCTIONS

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### Initial Power-Up and Configuration

1. After all connections are made, turn on your receiver and the subwoofer.
2. Access your receiver's speaker setup menu. Configure the speaker sizes (typically "Small" for satellites and center, "Yes" for subwoofer).
3. Set crossover frequencies. A common starting point for the RM6750 satellites is 100-120 Hz.
4. Adjust individual speaker levels using your receiver's test tones or an auto-calibration feature if available, to ensure balanced sound.
5. Adjust the subwoofer volume control on the subwoofer itself to blend seamlessly with the satellite speakers, avoiding overpowering bass.

### Listening Tips

- Experiment with subwoofer placement and phase settings for optimal bass integration.
- Avoid placing speakers directly against walls or in corners, as this can sometimes lead to boomy or unnatural sound, except for the subwoofer which can benefit from corner placement.
- Ensure speaker wires are not tangled or pinched to prevent signal loss or damage.

## MAINTENANCE

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- **Cleaning:** Dust the speaker cabinets regularly with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- **Grilles:** The speaker grilles can be carefully removed for cleaning if necessary. Use a soft brush or vacuum with a brush attachment to remove dust.
- **Environment:** Keep speakers away from direct sunlight, excessive heat, and moisture.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
No sound from speakers	Loose speaker connections; Receiver not powered on; Incorrect input selected on receiver.	Check all speaker wire connections; Ensure receiver is powered on and correct input is selected.
No bass from subwoofer	Subwoofer not powered on; RCA cable loose or faulty; Subwoofer volume too low; Receiver LFE output disabled.	Check subwoofer power and power cable; Verify RCA cable connection; Increase subwoofer volume; Check receiver settings for LFE output.
Distorted sound	Volume too high; Loose connections; Damaged speaker wire.	Reduce volume; Check all connections; Inspect speaker wires for damage.

## SPECIFICATIONS

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- **System Type:** 5.1 Channel Home Theater Speaker System
- **Speaker Configuration:** 2 Front, 2 Surround, 1 Center, 1 Subwoofer
- **Satellite/Center Drivers:** 3.25 inch polymer composite cone (midrange), 0.5 inch silk and polymer composite dome (tweeter)
- **Subwoofer Driver:** 8 inch long throw dynamic balance poly composite driver
- **Speaker Maximum Output Power:** 100 Watts (System Max)
- **Connectivity:** RCA or Speaker Wire
- **Impedance:** 8 Ohms
- **Color:** Black
- **Model Number:** RM6750

## WARRANTY INFORMATION

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The Polk Audio RM6750 speaker system comes with a **5-year parts and labor warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full warranty terms and conditions, please refer to the official Polk Audio website or contact customer support.

## CUSTOMER SUPPORT

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For technical assistance, troubleshooting, or warranty inquiries, please visit the official Polk Audio website or contact their customer support department. Contact information can typically be found on the brand's official website.

**Online Resources:** [www.polkaudio.com](http://www.polkaudio.com)