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Klipsch RF-52 II

Klipsch RF-52 II Reference Series 7.1 Home Theater System User Manual

Model: RF-52 II, SW-450
Brand: Klipsch

Introduction

This manual provides essential information for the setup, operation, and maintenance of your Klipsch RF-52 II Reference Series 7.1 Home Theater System. This system includes RF-52 II Floorstanding Speakers, RB-51 II Bookshelf Speakers, RC-52 II Center Channel Speaker, RS-42 II Surround Speakers, and the SW-450 Subwoofer. Please read this manual thoroughly before connecting and operating your system to ensure optimal performance and longevity.

Setup

1. Unpacking and Inspection

Carefully remove all components from their packaging. Retain the packaging for future transport or storage. Inspect all items for any signs of damage. If any components are damaged or missing, contact your authorized Klipsch dealer immediately.
Your system includes:

- RF-52 II Floorstanding Speakers (2)
- RB-51 II Bookshelf Speakers (2)
- RC-52 II Center Channel Speaker (1)
- RS-42 II Surround Speakers (2)
- SW-450 Subwoofer (1)
- Power Cord for Subwoofer
- Remote Control for Subwoofer



Figure 1: Overview of the Klipsch RF-52 II Reference Series 7.1 Home Theater System components, including two floorstanding speakers, two bookshelf speakers, one center channel speaker, two surround speakers, and one subwoofer.

2. Speaker Placement

Proper speaker placement is crucial for optimal sound performance in your home theater. Consider the acoustics of your room and the primary listening position.

- **RF-52 II Floorstanding Speakers:** Position these as your front left and right channels, equidistant from your main listening position and ideally at least 6-10 feet apart. Angle them slightly inward towards the listening area (toe-in) for improved imaging.



Figure 2: Front view of a Klipsch RF-52 II Floorstanding Speaker, showcasing its black finish and copper-colored drivers.



Figure 3: Rear view of a Klipsch RF-52 II Floorstanding Speaker, showing the dual binding posts for speaker wire connections and the bass port.

- **RC-52 II Center Channel Speaker:** Place this speaker directly above or below the center of your television or projection screen, aimed towards the listening area. It is crucial for clear dialogue.



Figure 4: Front view of the Klipsch RC-52 II Center Channel Speaker, designed for horizontal placement.

- **RB-51 II Bookshelf Speakers:** These can be used as front or surround channels. If used as front channels, place them on sturdy stands at ear level. If used as surround channels, place them to the sides or slightly behind the main listening position.

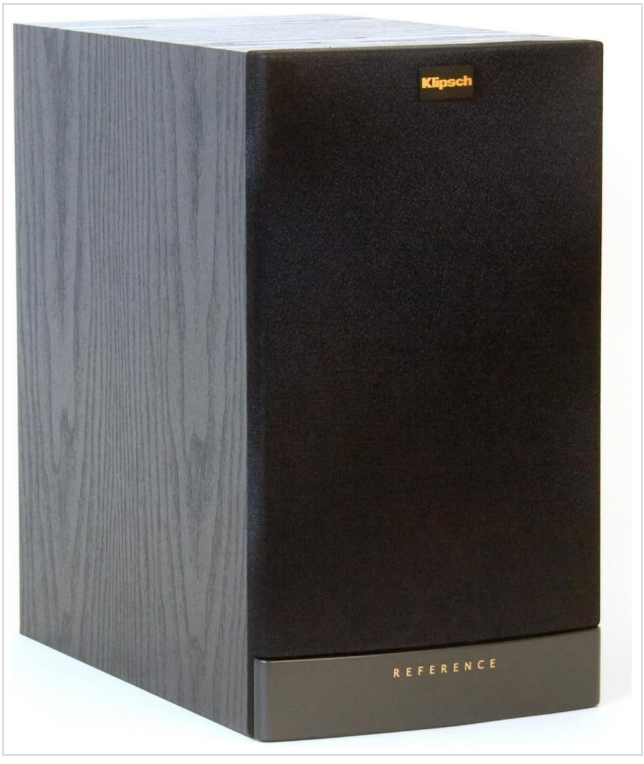


Figure 5: Front view of a Klipsch RB-51 II Bookshelf Speaker, compact and suitable for various placements.

- **RS-42 II Surround Speakers:** For a 7.1 system, place the side surround speakers directly to the sides of the main listening position, slightly above ear level. The rear surround speakers should be placed behind the listening position, wider than the front speakers.



Figure 6: Front view of a Klipsch RS-42 II Surround Speaker, designed for immersive sound.



Figure 7: Rear view of a Klipsch RS-42 II Surround Speaker, showing the keyhole mounting bracket and speaker terminals.

- **SW-450 Subwoofer:** Subwoofer placement is less critical than other speakers, but generally, corner placement can enhance bass output. Experiment with different positions to find the best bass response in your room.



Figure 8: Front view of the Klipsch SW-450 Subwoofer, a powerful component for deep bass.

3. Connections

Before making any connections, ensure your amplifier/receiver and subwoofer are turned off and unplugged from the power outlet.

- **Speaker Wire Connections:** Use high-quality speaker wire. Connect the positive (+) terminal (red) on your amplifier/receiver to the positive (+) terminal on each speaker. Similarly, connect the negative (-) terminal (black) on your amplifier/receiver to the negative (-) terminal on each speaker. Ensure all connections are secure and there are no stray wire strands that could cause a short circuit.
- **Subwoofer Connection:** Connect the SW-450 subwoofer to your receiver's LFE (Low Frequency Effects) or Subwoofer Pre-Out jack using a single RCA cable. If your receiver does not have an LFE output, you can connect the subwoofer using speaker-level inputs (refer to the subwoofer's specific manual for details).



Figure 9: Rear view of the Klipsch SW-450 Subwoofer, showing the power input, RCA inputs, and various control knobs for gain, crossover, and phase.

- **Power Connection:** Once all audio connections are made, plug the subwoofer's power cord into a wall outlet.

Operating Instructions

After completing the setup, you can begin operating your Klipsch home theater system.

- **Receiver Configuration:** Turn on your A/V receiver and access its speaker setup menu. Configure the speaker sizes (e.g., Front: Large/Small, Center: Small, Surrounds: Small, Subwoofer: Yes). Set crossover frequencies as recommended by your receiver or Klipsch (typically 80Hz for most speakers).
- **Subwoofer Controls:**
  - **Gain (Volume):** Adjust this knob on the subwoofer to balance its output with the rest of your speakers. Start low and increase gradually.
  - **Low-Pass Crossover:** If using the subwoofer's internal crossover (not LFE), set this to blend smoothly with your main speakers. If using LFE, this control is typically bypassed by the receiver.
  - **Phase:** Experiment with the 0° and 180° phase switch to find the setting that provides the most impactful and coherent bass at your listening position.
- **Initial Listening:** Start with low volume levels and gradually increase them. Listen for balanced sound across all channels and adjust individual speaker levels via your receiver's settings if necessary.

Maintenance

Your Klipsch speakers are designed for years of trouble-free enjoyment with minimal maintenance.

- **Cleaning:** Dust the cabinets with a soft, dry cloth. For stubborn marks, use a slightly damp cloth with a mild, non-abrasive cleaner. Avoid harsh chemicals or abrasive materials.
- **Grilles:** The speaker grilles protect the drivers. They can be removed for cleaning or for a different aesthetic, but ensure they are reattached securely.
- **Environment:** Avoid placing speakers in direct sunlight or near heat sources. Keep them away from excessive moisture.

Troubleshooting

If you experience issues with your Klipsch home theater system, consult the following common troubleshooting steps:

Problem	Possible Cause / Solution
No sound from speakers	Check all speaker wire connections at both the speaker and receiver ends. Ensure correct polarity (+ to + and - to -). Verify the receiver is powered on and the correct input source is selected. Check speaker settings in your receiver's menu.
No sound from subwoofer	Ensure the subwoofer is plugged in and powered on (power indicator light should be on). Check the RCA cable connection between the subwoofer and receiver. Verify subwoofer settings in your receiver's menu (e.g., subwoofer enabled, LFE output). Adjust the subwoofer's gain (volume) control.

Problem	Possible Cause / Solution
Distorted or unclear sound	Check for loose or frayed speaker wire connections. Ensure speaker wires are not shorting (positive and negative wires touching). Reduce the volume level on your receiver. Check if the receiver is overheating.
Hum or buzz from speakers/subwoofer	Ensure all components are plugged into the same electrical outlet or power strip. Try disconnecting input cables one by one to isolate the source of the hum. Check for ground loop issues (a ground loop isolator may be needed).

Specifications

Key specifications for the Klipsch RF-52 II Reference Series 7.1 Home Theater System:

Feature	Detail
Model Name	RF-52 II (Floorstanding), RB-51 II (Bookshelf), RC-52 II (Center), RS-42 II (Surround), SW-450 (Subwoofer)
Speaker Type	Floorstanding, Bookshelf, Center Channel, Surround, Subwoofer
Surround Sound Channel Configuration	7.1
Mounting Type	Floor Standing (RF-52 II), Shelf/Stand (RB-51 II, RC-52 II), Wall Mount (RS-42 II)
Connectivity Technology	Auxiliary (Wired)
Audio Output Mode	Surround
Color	Black
Manufacturer	Klipsch
ASIN	B00JW1HRAO
Date First Available	Sept. 5 2014

Warranty and Support

Klipsch products are built to exacting standards and are designed to provide years of enjoyment. For specific warranty information, please refer to the warranty card included with your product or visit the official Klipsch website. Keep your purchase receipt as proof of purchase for warranty claims.
For technical support, service, or further assistance, please contact Klipsch customer support through their official website or the contact information provided in your product documentation. When contacting support, please have your product model number (RF-52 II, SW-450) and ASIN (B00JW1HRAO) ready.

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