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› [Klipsch Reference Premiere RP-502S II Ebony Surround Sound Speakers User Manual](#)

klipsch RP-502S II Eby

Klipsch Reference Premiere RP-502S II Surround Sound Speakers User Manual

Model: RP-502S II Eby | Brand: Klipsch

INTRODUCTION

The Klipsch RP-502S II surround speakers are designed to deliver a cinematic sound experience. With Wide Dispersion Surround Technology, these speakers are engineered for optimal sound delivery in various room configurations. They incorporate a larger Tractrix horn, updated 5.25" Cerametallic woofers, and a vented tweeter design for clear and dynamic audio reproduction.

KEY FEATURES

- **Bigger Tractrix Horn:** A new, larger 90° x 90° silicone composite hybrid Tractrix horn provides crisper, clearer dialogue.
- **Linear Travel Suspension (LTS) Titanium Diaphragm Tweeter:** The exclusive 1" LTS minimizes distortion for enhanced, detailed performance.
- **Vented Tweeter Design:** The vented tweeter housing enhances the detail in what you hear.
- **All-New Cerametallic Woofers:** Updated for absolutely flawless sound reproduction, minimum distortion, and maximum efficiency.
- **Wide Dispersion Surround Technology:** Astounding sonic detail for lifelike, cinematic sound in any room.
- **Advanced Cabinet Design:** Additional bracing and a divided cabinet minimizes vibrations with an improved input panel and furniture grade materials and finishes.
- **Removable Grille:** Attaches magnetically for an elegant transition.
- **Includes:** (2) Two RP-502S II surround sound speakers.

SETUP AND PLACEMENT

Unpacking

Carefully remove the speakers from their packaging. Inspect for any damage. It is recommended to retain the original packaging for future transport or storage.

Speaker Placement

For optimal surround sound, position the RP-502S II speakers to the sides or slightly behind the main listening area. The Wide Dispersion Surround Technology allows for flexible placement while maintaining sound quality. The speakers can be placed on a tabletop or mounted on a wall using the integrated keyhole mounting system.



Front view of two Klipsch RP-502S II surround sound speakers, showcasing the Tractrix horns and Cerametallic woofers.



A Klipsch RP-502S II speaker mounted on a wall in a living room setting, demonstrating a typical installation.



Detailed dimensions of the Klipsch RP-502S II speaker, showing height, width, and depth.

Connections

Connect the speaker wires from your amplifier or receiver to the binding posts on the back of each RP-502S II speaker. Ensure correct polarity (positive to positive and negative to negative) for optimal audio performance. Incorrect polarity can result in poor sound quality.



Rear view of a Klipsch RP-502S II speaker, showing the speaker wire binding posts and the keyhole mounting bracket for wall installation.

OPERATION

Initial Power On

Once all connections are secure, power on your amplifier or receiver and select the appropriate audio source. Ensure that the speakers are properly recognized by your audio system.

Volume Control

Adjust the volume using your amplifier or receiver's controls. Start at a low volume and gradually increase to a comfortable listening level. Avoid excessively high volumes to prevent potential damage to the speakers or your hearing.

Audio Settings

Refer to your amplifier or receiver's manual for specific settings related to surround sound configuration, speaker levels, and crossover frequencies. Proper calibration of these settings will optimize the performance of your RP-502S II speakers within your home theater system.

MAINTENANCE

Cleaning

Dust the speaker cabinets with a soft, dry cloth. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish. For stubborn marks, a slightly damp cloth followed by a dry cloth may be used.

Grille Care

The magnetic grilles can be removed for cleaning or for a different aesthetic. Handle them gently to prevent damage to the grille fabric or the magnetic attachment points. If cleaning the grilles, use a soft brush or lint roller to remove dust.

Environmental Considerations

Avoid placing speakers in direct sunlight, near heat sources, or in areas with high humidity. Ensure adequate ventilation around the speakers to prevent overheating, especially if they are enclosed in a cabinet.

TROUBLESHOOTING

No Sound

- Check all speaker wire connections at both the speaker and the amplifier/receiver. Ensure correct polarity (+ to + and - to -).
- Verify the amplifier/receiver is powered on and the correct input source is selected.
- Confirm the volume is not muted or set too low on your audio system.

Distorted Sound

- Reduce the volume level on your amplifier/receiver. Overdriving the speakers can cause distortion.
- Check for loose speaker wire connections at both ends.
- Ensure the speaker wires are not frayed or shorting against each other or the speaker terminals.
- Verify that the amplifier's power output is within the speaker's recommended range.

Uneven Sound or Poor Imaging

- Check speaker balance settings on your amplifier/receiver.
- Ensure speakers are placed symmetrically relative to the listening position and are at a similar height.
- Confirm that all speakers are wired with correct polarity.

TECHNICAL SPECIFICATIONS

Mounting Type	Tabletop Mount
Material	MDF

Model Name	RP-502S II Eby
Speaker Type	Monitor
Special Feature	Dolby Enabled
Recommended Uses	For Surround Sound Systems
Compatible Devices	Television
Woofer Diameter	5.25 Inches
Tweeter Diameter	1 Inches
Unit Count	2.0 Count
Surround Sound Channel Configuration	5.1
Color	Black
Included Components	Speaker
Product Dimensions	7.63"D x 11.94"W x 14.15"H
Item Weight	17 Pounds
Impedance	8 Ohm
Warranty Type	Limited
Number of Items	2
Control Method	Remote
Power Source	Corded Electric
Frequency Response	25 KHz
Connectivity Technology	Wired
Audio Output Mode	Surround
Speaker Maximum Output Power	400 Watts

WARRANTY AND SUPPORT

Warranty Information

This product comes with a Limited Warranty. Please refer to the official Klipsch website or contact customer support for detailed warranty terms and conditions, including coverage period and claim procedures.

Customer Support

For technical assistance, troubleshooting, or service inquiries, please visit the official Klipsch website or contact their customer support department. When contacting support, please have your product model number (RP-502S II Eby) and UPC (743878046458) available.

Manufacturer: Klipsch

Model: RP-502S II Eby

UPC: 743878046458