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› Klipsch Reference R-40M Bookshelf Speakers User Manual

## Klipsch R-40M

# Klipsch Reference R-40M Bookshelf Speakers User Manual

Model: R-40M | Brand: Klipsch

## INTRODUCTION

Thank you for purchasing the Klipsch Reference R-40M Bookshelf Speakers. These speakers are designed to deliver a clean, natural, and immersive audio experience, perfect for home theater setups or dedicated stereo listening. Featuring updated Tractrix Horn technology and spun-copper woofers, the R-40M speakers provide exceptional sound clarity and detail.



Figure 1: Front angled view of the Klipsch R-40M Bookshelf Speaker, showcasing its black finish and copper-colored woofer.

## SETUP

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### 1. Unpacking

Carefully remove the speakers from their packaging. Ensure all components are present:

- (2) Klipsch R-40M Bookshelf Speakers

Retain the packaging for future transport or storage.

### 2. Speaker Placement

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

- **Stereo Setup:** Place the speakers equidistant from your primary listening position, forming an equilateral triangle.
- **Height:** Position the tweeters at approximately ear level when seated.
- **Distance from Walls:** Experiment with placing speakers a few inches to a few feet from walls to adjust bass response. Closer placement generally increases bass.
- **Symmetry:** Ensure both speakers are placed symmetrically within the room to achieve a balanced soundstage.



Figure 2: Example of Klipsch R-40M speakers integrated into a home audio setup, demonstrating typical placement near a television.

### 3. Connecting Your Speakers

The R-40M speakers are passive and require connection to an amplifier or A/V receiver. Use high-quality speaker wire for the best performance.

1. Identify the positive (+) and negative (-) terminals on both your amplifier/receiver and the R-40M speakers. The positive terminal is typically red, and the negative is black.
2. Strip approximately 1/2 inch (1.25 cm) of insulation from the ends of your speaker wire.

3. Unscrew the binding posts on the back of the speaker.
4. Insert the bare wire or banana plug into the corresponding terminal. Ensure no stray wire strands are touching the opposite terminal, which could cause a short circuit.
5. Tighten the binding posts securely.
6. Connect the other end of the speaker wire to the corresponding terminals on your amplifier/receiver. Ensure positive (+) on the speaker connects to positive (+) on the amplifier, and negative (-) to negative (-). This maintains correct audio phase.



Figure 3: Rear view of the Klipsch R-40M speaker, highlighting the speaker wire binding posts (red for positive, black for negative) and the rear-firing port.

Once connected, the operation of your R-40M speakers is controlled by your amplifier or A/V receiver. Refer to your amplifier's manual for specific instructions on power, volume, and input selection.

### **Key Features:**

- **90° x 90° Tractrix Horn:** This updated horn design provides precise directivity control, ensuring a wide and accurate soundstage with clear high frequencies.
- **Linear Travel Suspension (LTS) Aluminum Tweeter:** The 1-inch LTS tweeter minimizes distortion, delivering detailed and enhanced high-frequency performance.
- **Spun-Copper Thermoformed Crystalline Polymer (TCP) Woofers:** The 4-inch TCP woofers, derived from Klipsch's Reference Premiere series, feature steeper cone angling for smoother response and improved accuracy in the mid-range and bass.
- **Magnetic Grilles:** The speakers come with low-profile magnetic grilles that can be easily removed for a different aesthetic or for cleaning.



Figure 4: The Klipsch R-40M speaker with its magnetic grille detached, revealing the Tractrix horn and spun-copper woofer.



Figure 5: An illustration detailing the advanced 90° x 90° Tractrix Horn design, which enhances sound directivity and accuracy.

## MAINTENANCE

To ensure the longevity and optimal performance of your Klipsch R-40M speakers, follow these simple maintenance tips:

- **Cleaning Cabinets:** Use a dry, soft cloth to wipe down the speaker cabinets. Avoid abrasive cleaners or solvents, as they may damage the finish.
- **Cleaning Grilles:** The magnetic grilles can be gently removed and dusted with a soft brush or vacuumed with a low-power attachment.
- **Dusting Drivers:** If the grilles are removed, carefully dust the woofer and tweeter with a soft, dry brush. Avoid touching the speaker cones directly.
- **Avoid Direct Sunlight/Heat:** Do not expose the speakers to direct sunlight or extreme heat, as this can degrade the cabinet finish and driver materials over time.

## TROUBLESHOOTING

If you encounter issues with your Klipsch R-40M speakers, consult the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Sound	Incorrect wiring; Amplifier off/wrong input; Speaker wire disconnected.	Check all speaker wire connections for correct polarity (+ to + and - to -). Ensure amplifier is powered on and set to the correct input. Verify speaker wires are securely connected at both ends.
Distorted Sound	Overdriving amplifier; Loose speaker wire connections; Damaged speaker driver.	Reduce amplifier volume. Check speaker wire connections for tightness. If distortion persists at low volumes, contact Klipsch support.
Weak Bass	Incorrect speaker placement; Out-of-phase wiring.	Move speakers closer to a wall or corner (within reason). Verify speaker wire polarity is consistent for both speakers.
Unbalanced Sound (one speaker louder/quieter)	Incorrect amplifier balance settings; Faulty speaker wire; Damaged speaker.	Check your amplifier's balance control. Swap speaker wires between left and right channels at the amplifier to determine if the issue follows the speaker or the amplifier/wire.

## SPECIFICATIONS

Feature	Detail
Model Name	R-40M
Speaker Type	Bookshelf
Recommended Uses	Home Theater, Home Audio
Woofer Diameter	4 Inches (Spun-Copper TCP)
Tweeter	1-inch LTS Aluminum with Kapton Suspension
Horn Technology	90° x 90° Tractrix Horn
Cabinet Material	MDF with Scratch-Resistant, Textured Wood Grain Vinyl
Speaker Maximum Output Power	200 Watts
Color	Black
Product Dimensions (H x W x D)	11.7" (H) X 5.8" (W) X 8.5" (D)
Item Weight	14 Pounds
Included Components	(2) R-40M bookshelf speakers
Manufacturer	Klipsch
UPC	743878046335

## WARRANTY INFORMATION

The Klipsch R-40M Bookshelf Speakers come with a full warranty. For specific details regarding the duration and terms of your warranty, please refer to the warranty card included with your product or visit the official Klipsch website. Extended protection plans may also be available for purchase.

- **2-Year Protection Plan:** Available for purchase.
- **3-Year Protection Plan:** Available for purchase.
- **Complete Protect:** Monthly plan covering eligible past and future purchases.

## SUPPORT

For further assistance, technical support, or service inquiries regarding your Klipsch R-40M Bookshelf Speakers, please visit the official Klipsch support website or contact their customer service department. You can find contact information and FAQs on the Klipsch website.

Visit the [Klipsch Store on Amazon](#) for more products and information.

