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Klipsch RP-6000F II Eby

Klipsch Reference Premiere RP-6000F II Floorstanding Speaker User Manual

Model: RP-6000F II Eby

PRODUCT OVERVIEW

The Klipsch Reference Premiere RP-6000F II is a high-performance floorstanding speaker designed to deliver exceptional audio quality for both home theater and music listening. It features advanced acoustic technologies and premium construction to provide a detailed and dynamic sound experience.





Figure 1: Front angled view of the Klipsch Reference Premiere RP-6000F II Floorstanding Speaker.

Key Features:

- **Bigger Tractrix Horn:** A new, larger 90° x 90° silicone composite hybrid Tractrix horn provides crisper, clearer sound.
- **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.
- **Tractrix Ports:** Utilizing Tractrix geometry, the Reference Premiere ports allow for the most efficient, fastest air transfer from the cabinet for cleaner, more powerful bass.
- **Bi-Wiring/Bi-Amping Capability:** Dual input terminals for bi-wiring/bi-amping capabilities separate high and low-frequency current into different speaker cables, reducing distortion for clearer midrange.
- **Just Add Dolby Atmos:** Adding Dolby Atmos speakers is incredibly easy with simple, hidden connections on the

back of the speakers.

- **Advanced Cabinet Design:** Additional bracing and a divided cabinet minimizes vibrations with an improved input panel and furniture grade materials and finishes make this speaker a statement piece for any room.
- **Removable Grille:** Attaches magnetically for an elegant transition from powerful showstopper to discrete performance piece.
- Includes (1) RP-6000F II floorstanding speaker and Dolby Atmos jumper wires.

SETUP

Unboxing and Inspection:

Carefully remove the speaker from its packaging. Inspect the speaker for any signs of damage during transit. Retain the original packaging for future transport or storage.

Speaker Placement:

Proper speaker placement is crucial for optimal sound performance. For stereo listening, position the speakers equidistant from your primary listening position, forming an equilateral triangle. For home theater setups, refer to your receiver's manual for recommended speaker configurations (e.g., 5.1, 7.1, Dolby Atmos).



Figure 2: Example of Klipsch RP-6000F II speakers in a home theater setup.

Consider the room acoustics. Hard surfaces can cause reflections, while soft furnishings can absorb sound. Experiment with speaker distance from walls to adjust bass response. The Tractrix ports are designed for efficient air transfer, contributing to clean bass.

Connecting Your Speakers:

The RP-6000F II speakers feature dual input terminals, allowing for bi-wiring or bi-amping. This can enhance sound clarity by separating high and low-frequency signals. Ensure your amplifier or receiver is powered off before making any connections.



Figure 3: Rear view illustrating the speaker's input terminals and Tractrix port.

For standard connection, use high-quality speaker wire to connect the positive (+) terminal on your amplifier to the positive (+) terminal on the speaker, and the negative (-) terminal on your amplifier to the negative (-) terminal on the speaker. Ensure the polarity is consistent for all speakers in your system.

For Dolby Atmos integration, the speakers include simple, hidden connections on the back for adding compatible Dolby Atmos elevation speakers (sold separately). Use the provided Dolby Atmos jumper wires if applicable.

OPERATING INSTRUCTIONS

Once connected, ensure your amplifier or receiver is powered on and set to the correct input source. Start with a low volume level and gradually increase it to a comfortable listening level. The RP-6000F II speakers are designed to deliver clear, dynamic sound across a wide frequency range.

For optimal performance, allow a break-in period for the speakers. This typically involves several hours of playback at moderate volumes, which helps the speaker components settle and perform at their best.

MAINTENANCE

To maintain the appearance and performance of your Klipsch RP-6000F II speakers, follow these simple maintenance guidelines:

- **Cleaning the Cabinet:** The speaker cabinet is made of MDF with a durable finish. Use a dry, soft cloth to gently wipe down the surfaces. Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Cleaning the Drivers:** The Cerametallic woofers and titanium tweeters are delicate. Use a soft brush or a can of compressed air to remove dust from the cones and horn. Do not touch the driver surfaces directly.
- **Grille Care:** The magnetic grilles can be removed for cleaning. Gently wipe them with a soft, damp cloth if necessary. Ensure they are completely dry before reattaching.
- **Placement:** Avoid placing speakers in direct sunlight or near heat sources, as this can cause discoloration or damage to the cabinet.

TROUBLESHOOTING

If you encounter issues with your Klipsch RP-6000F II speakers, refer to the following common troubleshooting tips:

- **No Sound:**
 - Check all cable connections between the speaker and your amplifier/receiver. Ensure they are secure and correctly connected (positive to positive, negative to negative).
 - Verify that your amplifier/receiver is powered on and set to the correct input source.
 - Ensure the volume is not muted or set too low.
- **Distorted Sound:**
 - Reduce the volume level on your amplifier/receiver. Overdriving the speakers can cause distortion.
 - Ensure the speaker impedance (8 Ohm) is compatible with your amplifier/receiver.
- **Uneven Sound or Missing Frequencies:**
 - Confirm that both speakers are receiving a signal and are connected with correct polarity.
 - Check your amplifier/receiver's balance settings.

If the issue persists, consult the user manual for your amplifier/receiver or contact Klipsch customer support for further assistance.

SPECIFICATIONS

Klipsch Reference Premiere RP-6000F II Specifications

Feature	Detail
Mounting Type	Floor Standing
Material	MDF
Model Name	RP-6000F II Eby
Speaker Type	Tower
Special Feature	Bi-Amping Capability
Recommended Uses For Product	For Televisions
Compatible Devices	Audio Receiver, Amplifiers
Subwoofer Diameter	6.5 Inches
Unit Count	1.0 Count
Controller Type	Corded Electric
Surround Sound Channel Configuration	1
Color	Ebony
Included Components	Speaker
Product Dimensions	17.57"D x 9.29"W x 39.6"H
Item Weight	50 Pounds
Impedance	8 Ohm
Is Waterproof	FALSE
Warranty Type	5 year manufacturer
Number of Items	1
Control Method	Remote
Speaker Size	6.5 Inches
Power Source	Corded Electric
Signal-to-Noise Ratio	6E+1 dB
Woofer Diameter	6.5 Inches
Tweeter Diameter	1 Inches
Audio Driver Type	Dynamic Driver
Subwoofer Connectivity Technology	Wired
Includes MP3 player?	No
Number Of Circuits	1

Feature	Detail
Series Number	6000
UPC	743878046397
Manufacturer	Klipsch
Speaker Maximum Output Power	400 Watts
Frequency Response	20 Hz
Connectivity Technology	Wired
Audio Output Mode	Surround

WARRANTY AND SUPPORT

Your Klipsch Reference Premiere RP-6000F II speaker comes with a **5-year manufacturer warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty service, or additional product information, please visit the official Klipsch website or contact their customer service department. You can find contact details on the Klipsch website or in the documentation included with your product.

For more information, visit the [Klipsch Store on Amazon](#).