Polk Audio MC60

Polk Audio MC60 2-Way In-Ceiling 6.5" Speakers Instruction Manual

Model: MC60

1. INTRODUCTION

Thank you for choosing Polk Audio MC60 2-Way In-Ceiling 6.5" Speakers. These speakers are designed to provide high-quality audio performance in various indoor and enclosed environments, including bathrooms, kitchens, and covered patios, thanks to their moisture-resistant design. This manual provides essential information for proper installation, operation, and maintenance of your speakers.

Figure 1: Polk Audio MC60 In-Ceiling Speaker (front view with grille removed and installed)

2. PACKAGE CONTENTS
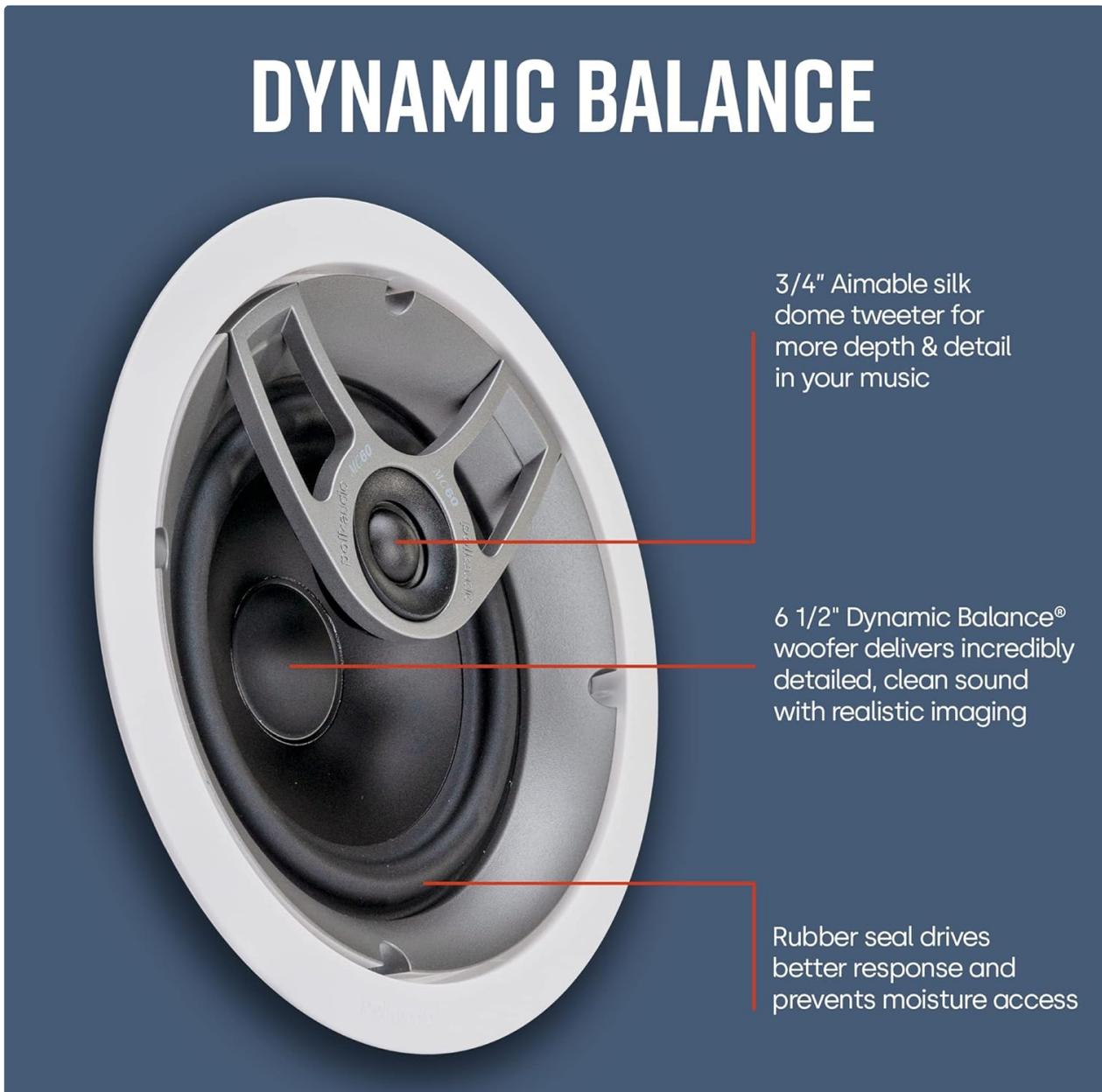
Ensure all items are present in the package:

- 2 x Polk Audio MC60 2-Way In-Ceiling 6.5" Speakers
- 2 x White Paintable Grilles
- Installation Template

3. KEY FEATURES

- **Dynamic Balance Technology:** Ensures smooth, wide-range response and clear, detailed highs for uniform sound coverage.
- **Moisture-Resistant Design:** Features rustproof stainless steel hardware and durable butyl rubber surrounds, suitable for damp and humid environments.
- **Aimable Tweeter:** A 0.75-inch metalized soft dome tweeter in a ball-and-socket swivel mount allows for precise sound direction.

- **Easy Installation:** Designed for simple one-cut, drop-in installation with Perfect Fit templates and rotating cams.
- **Paintable Grille:** The white grille can be painted to match your ceiling decor.

Figure 2: Illustration of Dynamic Balance technology, highlighting the 3/4" aimable silk dome tweeter, 6 1/2" Dynamic Balance woofer, and rubber seal for moisture prevention.

4. INSTALLATION

Proper installation is crucial for optimal performance and safety. If you are unsure about any steps, consult a qualified installer.

4.1 Planning Speaker Placement

- Choose locations free from obstructions like studs, electrical wires, or plumbing.
- For stereo sound, position speakers equidistant from the primary listening area.
- The moisture-resistant design allows installation in damp and humid indoor/enclosed areas such as bathrooms, kitchens, and covered porches.

Figure 3: Example of Polk Audio MC60 speakers installed in a moisture-resistant environment like a bathroom.

4.2 Mounting Instructions

1. **Prepare the Opening:** Use the provided Perfect Fit template to mark the cutout area on your ceiling. The cutout diameter is 8.19 inches (20.8 cm). Ensure there is sufficient mounting depth of 3.94 inches (10 cm).
2. **Cut the Opening:** Carefully cut the marked opening using an appropriate tool.
3. **Run Speaker Wires:** Route speaker wires from your amplifier to the speaker openings. Ensure wires are rated for in-wall/in-ceiling use and meet local building codes.
4. **Connect Wires:** Connect the speaker wires to the terminals on the back of the speaker. Observe correct polarity (+ to + and - to -).
5. **Insert Speaker:** Gently insert the speaker into the cutout opening.
6. **Secure Speaker:** Tighten the rotating cams with a screwdriver. These cams will pivot and clamp the speaker firmly to the ceiling, ensuring vibration-free efficiency. Do not overtighten.
7. **Attach Grille:** Place the magnetic grille onto the speaker frame. The grille can be painted to match your ceiling before installation.

A PERFECT FIT
Easy one-cut, pop-in installation with Perfect Fit templates

Cutout Dimensions

Overall Dimensions

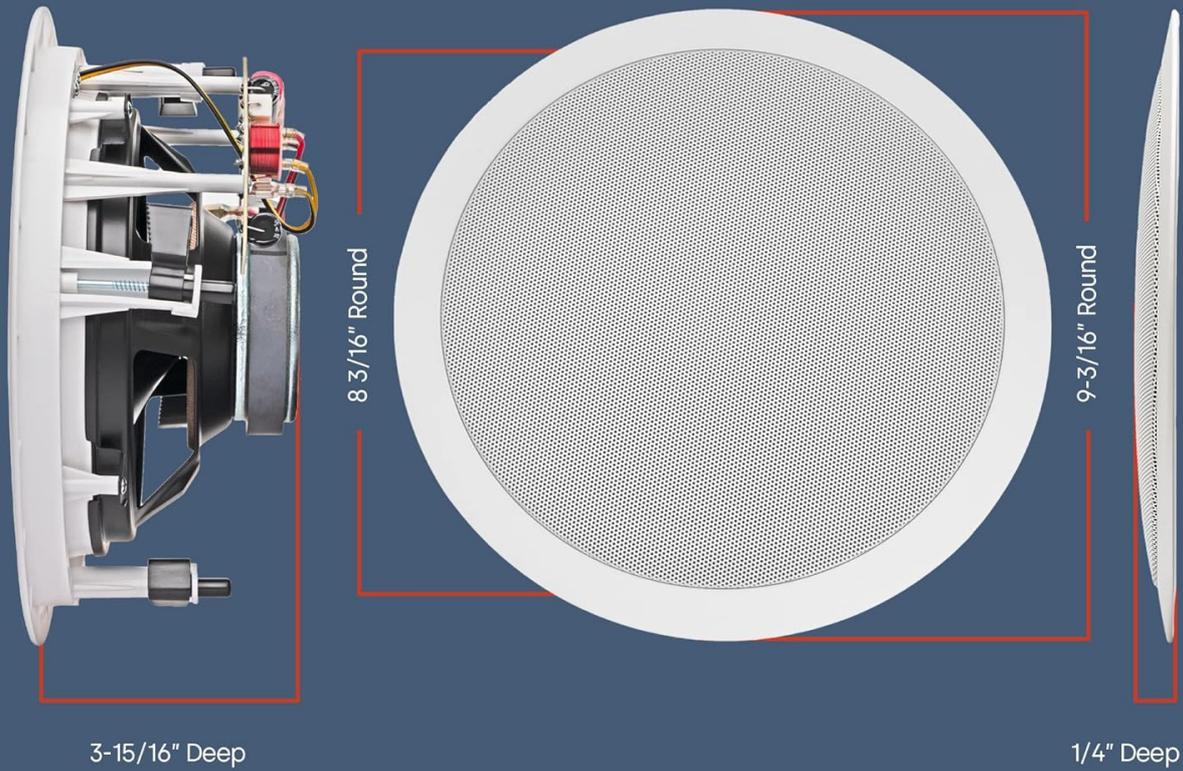8 3/16" Round

9-3/16" Round

3-15/16" Deep

1/4" Deep

Figure 4: Detailed dimensions for the Polk Audio MC60 speaker, showing a cutout diameter of 8 3/16" and an overall frame diameter of 9 3/16", with a depth of 3 15/16".

FINE TUNED INSTALLATION

Simple Setup
Secures with Rotating Cam system, tightens to ceiling with just a screwdriver

Paint to Match
Mimics the look of recessed lighting, paint to match and it virtually disappears

Aimable Tweeter
Metalized soft dome tweeter in a ball-and-socket swivel mount

Moisture-Resistant
Rubber seal prevents moisture, use in bathrooms, kitchens and covered porches

Figure 5: Illustration of installation features including the simple setup with rotating cam system, paint-to-match grille, aimable tweeter, and moisture-resistant rubber seal.

4.3 Wiring

The MC60 speakers have an impedance of 8 ohms. Connect them to an amplifier or receiver capable of handling an 8-ohm load. For optimal performance, use high-quality speaker wire of appropriate gauge for the length of the run.

5. OPERATION

Once installed and connected, your Polk Audio MC60 speakers are ready for use.

5.1 Adjusting the Aimable Tweeter

The 0.75-inch silk dome tweeter can be aimed to direct high-frequency sound towards your primary listening area. Gently swivel the tweeter within its mount to achieve the desired sound dispersion. This helps optimize the soundstage and detail in your music.

5.2 Audio Playback

Connect your audio source (e.g., smartphone, tablet, MP3 player, desktop, television, projector, laptop) to your amplifier/receiver. Select the appropriate input and begin playback. The MC60 speakers are designed for excellent ambient acoustic performances with extraordinary detail and natural musicality, even at low volumes.

Figure 6: Polk Audio MC60 speakers seamlessly integrated into a modern living space, providing sound that is heard but not seen.

6. CARE AND MAINTENANCE

The Polk Audio MC60 speakers are built for durability and moisture resistance, requiring minimal maintenance.

- **Cleaning:** To clean the speaker grilles and frames, use a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners.
- **Grille Painting:** If you choose to paint the grilles, ensure they are clean and dry. Use a thin coat of spray paint to avoid clogging the grille perforations, which could affect sound quality.
- **Moisture:** While moisture-resistant, avoid direct water spray or submersion. Ensure the rubber surrounds remain intact to prevent moisture access to internal components.

7. TROUBLESHOOTING

If you encounter issues with your MC60 speakers, refer to the following common problems and solutions:

- **No Sound:**

    - Check all cable connections from the amplifier to the speakers. Ensure polarity is correct.
    - Verify the amplifier is powered on and the correct input source is selected.
    - Test with another audio source or speaker if possible to isolate the problem.

- **Distorted Sound:**

    - Reduce the volume level on your amplifier. Overdriving the speakers can cause distortion.
    - Check speaker wire connections for any loose strands or short circuits.
    - Ensure the amplifier's impedance rating matches the speaker's 8-ohm impedance.

- **Uneven Sound or Poor Imaging:**

    - Adjust the aimable tweeter to direct sound towards your listening position.
    - Verify speaker placement and ensure they are equidistant from the listening area.

8. SPECIFICATIONS

Model Name	Polk Audio MC60
Speaker Type	In-Ceiling
Woofer Diameter	6.5 Inches
Tweeter Diameter	0.75 Inches
Impedance	8 Ohms
Sensitivity	91 dB
Frequency Response	60 - 20,000 Hz
Speaker Maximum Output Power	100 Watts
Cutout Diameter	8.19 inches (20.8 cm)
Mounting Depth	3.94 inches (10 cm)
Frame Diameter	9.18 inches (23.3 cm)
Product Dimensions (D x W x H)	9.2"D x 3.9"W x 9.2"H
Color	White
Specific Uses	Humid indoor/enclosed areas (e.g., bathroom, kitchen, covered porch)

9. WARRANTY INFORMATION

The Polk Audio MC60 speakers come with a Limited Warranty. Please refer to the warranty card included with your product or visit the official Polk Audio website for detailed terms and conditions regarding coverage, duration, and service procedures.

10. CUSTOMER SUPPORT

For further assistance, technical support, or warranty claims, please contact Polk Audio customer service:

- **Website:** Visit the official Polk Audio website for FAQs, support resources, and contact information.
- **Online Store:** Polk Audio Store on Amazon