Polk Audio MC60

Polk Audio MC60 6.5-inch In-Ceiling Speaker Instruction Manual

Model: MC60

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1. INTRODUCTION

Thank you for choosing the Polk Audio MC60 6.5-inch In-Ceiling Speaker. This speaker is designed to provide high-quality audio performance while seamlessly integrating into your living space. Its moisture-resistant design makes it suitable for various indoor and enclosed environments, including bathrooms, kitchens, sunrooms, and covered porches. This manual provides essential information for safe installation, operation, and maintenance of your MC60 speaker.
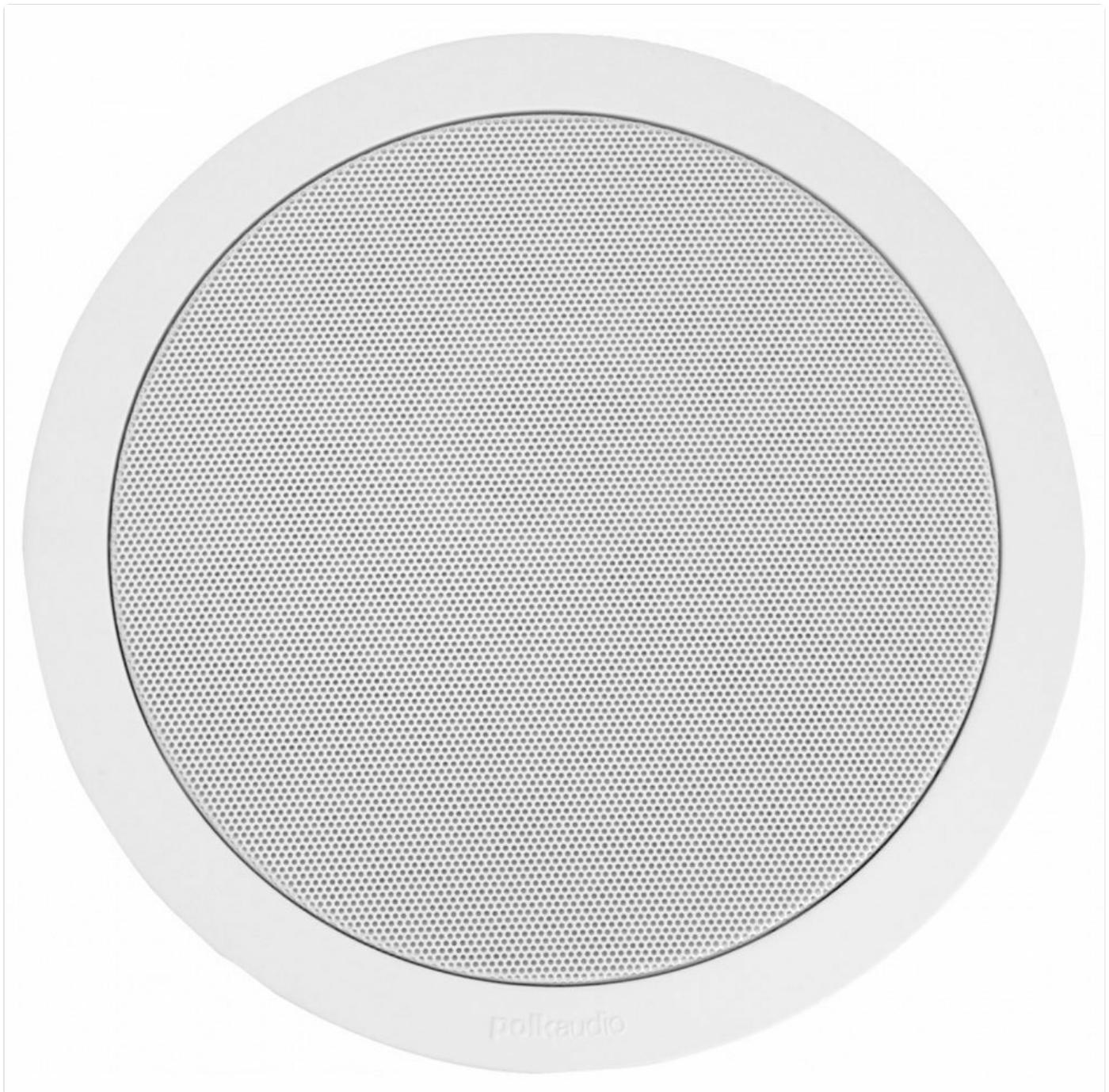
Figure 1.1: Polk Audio MC60 In-Ceiling Speaker without grille, showcasing the woofer and tweeter assembly.

2. SAFETY INFORMATION

Please read all safety instructions before installing or using your Polk Audio MC60 speaker. Keep this manual for future reference.

- **Electrical Safety:** Ensure all wiring is performed by a qualified professional and complies with local electrical codes. Disconnect power before installation.
- **Mounting Safety:** Verify that the mounting surface (ceiling) can safely support the weight of the speaker. Use appropriate tools and follow installation guidelines carefully to prevent injury or damage.
- **Moisture Exposure:** While the MC60 is moisture-resistant, it is not waterproof. Avoid direct water exposure or submersion.
- **Ventilation:** Ensure adequate air circulation around the speaker to prevent overheating, although in-ceiling speakers typically have sufficient passive cooling.
- **Cleaning:** Use only a soft, dry cloth for cleaning. Avoid abrasive cleaners or solvents.

3. PACKAGE CONTENTS

Carefully unpack your speaker and check for the following items:

- Polk Audio MC60 In-Ceiling Speaker (Single Unit)
- Paintable White Matte Grille
- Installation Template
- Instruction Manual (this document)

If any items are missing or damaged, please contact your dealer or Polk Audio customer support.

4. SETUP & INSTALLATION

The Polk Audio MC60 speaker features an easy one-cut, drop-in installation process. Pre-construction brackets are available separately if needed.

4.1 Planning Your Installation

- **Location:** Choose a location in your ceiling free from obstructions like electrical wires, plumbing, or HVAC ducts. Consider the acoustic properties of the room and desired sound coverage.
- **Wiring:** Plan your speaker wire routing from your amplifier/receiver to the speaker location. Ensure you use appropriate gauge speaker wire for the distance.
- **Environment:** The MC60 is suitable for humid indoor/enclosed areas such as bathrooms, kitchens, sunrooms, and covered patios due to its moisture-resistant design and rustproof stainless-steel hardware.

4.2 Installation Steps

1. **Prepare the Opening:**
   Using the provided template, mark the desired cutout area on your ceiling. Carefully cut the opening using a drywall saw or appropriate tool. Ensure the cut is clean and precise.
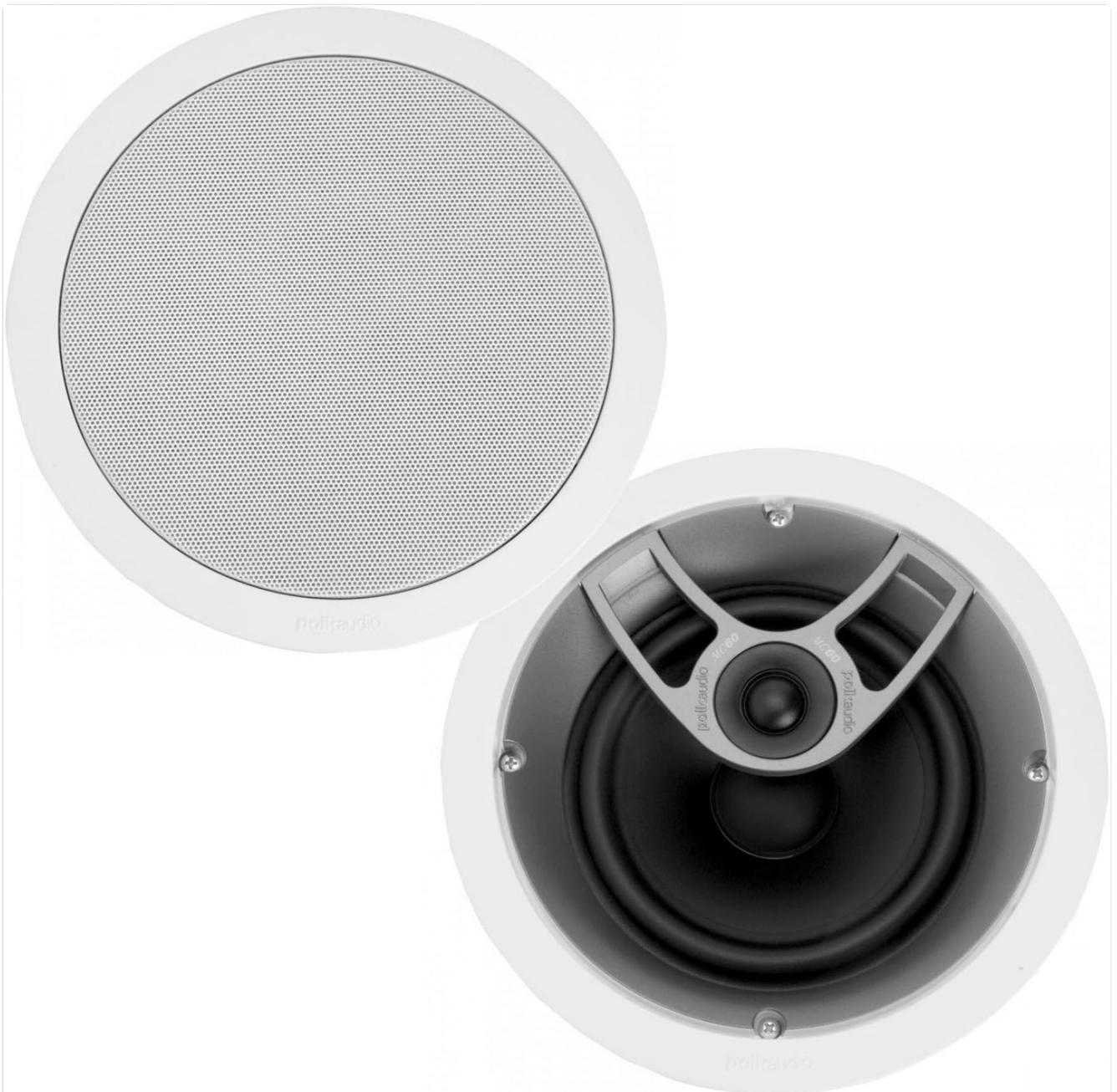
Figure 4.1: The MC60 speaker shown with and without its paintable white matte grille, illustrating its design for flush installation.

2. **Run Speaker Wire:**
   Route the speaker wire through the ceiling to the cutout opening. Leave enough slack to comfortably connect to the speaker terminals.

3. **Connect Speaker Wire:**
   Strip approximately 1/2 inch (12mm) of insulation from the ends of the speaker wires. Connect the positive (+) wire from your amplifier to the red (+) terminal on the speaker, and the negative (-) wire to the black (-) terminal. Ensure a secure connection and no stray wire strands are touching.

4. **Insert Speaker:**
   Carefully insert the speaker into the cutout opening. The precision flange should sit flush against the ceiling surface.

Figure 4.2: Angled view of the Polk Audio MC60 speaker, highlighting its low-profile design for ceiling integration.

5. **Secure Speaker with Rotating Cams:**
   The MC60 uses rotating cams for secure installation. Using a screwdriver, tighten the screws located on the front baffle of the speaker. As you tighten, the cams will rotate outwards and clamp firmly onto the ceiling material. Do not overtighten.

6. **Adjust Tweeter (Optional):**
   The 0.75-inch tweeter is aim-ready, allowing you to direct high frequencies for optimal sound in your listening area. Gently pivot the tweeter to the desired angle.

Figure 4.4: Close-up of the MC60's aim-ready swivel tweeter, designed for directing high frequencies.

7. **Attach Grille:**
   Align the paintable white matte grille with the speaker frame and gently press it into place until it is securely seated. The grille can be painted to match your ceiling decor.

Figure 4.5: The Polk Audio MC60 speaker with its paintable white matte grille installed, providing a discreet appearance.

5. Operation

Once installed and connected to your audio system, the Polk Audio MC60 speaker is ready for use.

- **Power On:** Turn on your amplifier or receiver.
- **Audio Source:** Select your desired audio source (e.g., music player, TV, streaming device).
- **Volume Control:** Adjust the volume on your amplifier/receiver to a comfortable listening level.
- **Dynamic Balance Technology:** The MC60 incorporates Polk's proprietary Dynamic Balance technology, which helps to design out distortion-causing driver and system resonances, ensuring clear and natural sound reproduction even at low volumes.
- **Wide Sound Coverage:** The 6.5-inch midrange woofer and 0.75-inch aim-ready swivel tweeter work together to provide a wide-range response and clear, detailed highs, ensuring uniform sound coverage, especially in larger rooms.

6. Maintenance

The Polk Audio MC60 speaker requires minimal maintenance to ensure long-lasting performance.

- **Cleaning:** Dust the speaker grille and frame periodically with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, but ensure no moisture enters the speaker components.
- **Grille Painting:** If you choose to paint the grille, use a thin coat of spray paint. Avoid clogging the perforations, as this can affect sound quality.
- **Inspection:** Periodically check the speaker for any signs of damage or loose connections.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No sound from speaker	Loose speaker wire connection Amplifier/receiver off or incorrect input selected Faulty speaker wire	Check and re-secure speaker wire connections at both the speaker and amplifier. Ensure amplifier is on and correct input is selected. Test with a different speaker wire if available.
Distorted or unclear sound	Over-driven amplifier Loose speaker wire connection Damaged speaker component	Reduce volume on amplifier. Check speaker wire connections. Contact customer support if distortion persists at normal listening levels.
Uneven sound distribution	Tweeter not aimed correctly Speaker placement issues	Adjust the aim-ready swivel tweeter towards the primary listening area. Review speaker placement relative to listening positions.

If the problem persists after trying these solutions, please contact Polk Audio customer support.

8. SPECIFICATIONS

Technical specifications for the Polk Audio MC60 In-Ceiling Speaker:

Model Name	MC60
Speaker Type	2-Way In-Ceiling Speaker (Woofer, Tweeter)
Woofer Diameter	6.5 Inches
Tweeter Diameter	0.75 Inches (Aim-ready swivel)
Material	Polymer composite (woofer), Silk/polymer blend (tweeter)
Impedance	8 Ohms
Speaker Maximum Output Power	100 Watts
Product Dimensions	3.9"D x 9.2"W x 9.2"H
Item Weight	3.1 Pounds

Color	White (with paintable grille)
Special Feature	Moisture-resistant design, rustproof stainless-steel hardware, durable butyl rubber surrounds
Connectivity Technology	Wired (compatible with devices using Bluetooth-enabled amplifiers)
Mounting Type	Ceiling Mount

9. WARRANTY & SUPPORT

Polk Audio products are built with quality and reliability in mind. Your MC60 speaker comes with a duration-based warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Polk Audio website.

Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Polk Audio customer support through their official website or the contact information provided in your product packaging. You can also visit the **Polk Audio Store on Amazon** for more product information and resources.