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› **RecPro RV 6-inch Coaxial Water-Resistant Speaker with RGB LED Lighting (Model RP-2357) User Manual**

RecPro RP-2357

RecPro RV 6-inch Coaxial Water-Resistant Speaker with RGB LED Lighting

MODEL: **RP-2357**

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your RecPro RV 6-inch Coaxial Water-Resistant Speaker with RGB LED Lighting. Designed for both indoor and outdoor environments, including marine applications, this speaker delivers quality audio performance and customizable lighting. Please read these instructions thoroughly before installation and use to ensure optimal performance and safety.

Safety Information

- **Electrical Connections:** Ensure all wiring is performed by a qualified individual and adheres to local electrical codes. Disconnect power before making any electrical connections.
- **Water Resistance:** While water-resistant, these speakers are not designed for submersion. Ensure proper mounting to prevent water accumulation around connections.
- **Volume Levels:** Prolonged exposure to high volume levels can cause hearing damage. Adjust volume to a comfortable level.
- **Mounting:** Securely mount speakers to a stable surface to prevent detachment during vehicle movement or environmental conditions.

Product Overview

The RecPro RV 6-inch Coaxial Speaker is engineered for durability and performance in various settings. Key features include:

- **Water-Resistant Design:** Suitable for marine, RV, and outdoor use.
- **RGB LED Lighting:** Integrated lighting for aesthetic enhancement.
- **Free-Air Design:** Facilitates easy installation in diverse locations.
- **Quality Components:** Features a cast aluminum basket and high-temperature voice coil for robust performance.
- **Durable Construction:** Tough, rigid plastic exterior resistant to corrosion and UV light.

- **High Power Handling:** Up to 150 watts max power handling.

Figure 1: Speaker components including the high-temperature voice coil, cast aluminum basket, and heavy-duty connection.

Figure 2: Key features of the speaker, emphasizing its 150-watt max power handling, resistance to corrosion and UV light, and waterproof design.
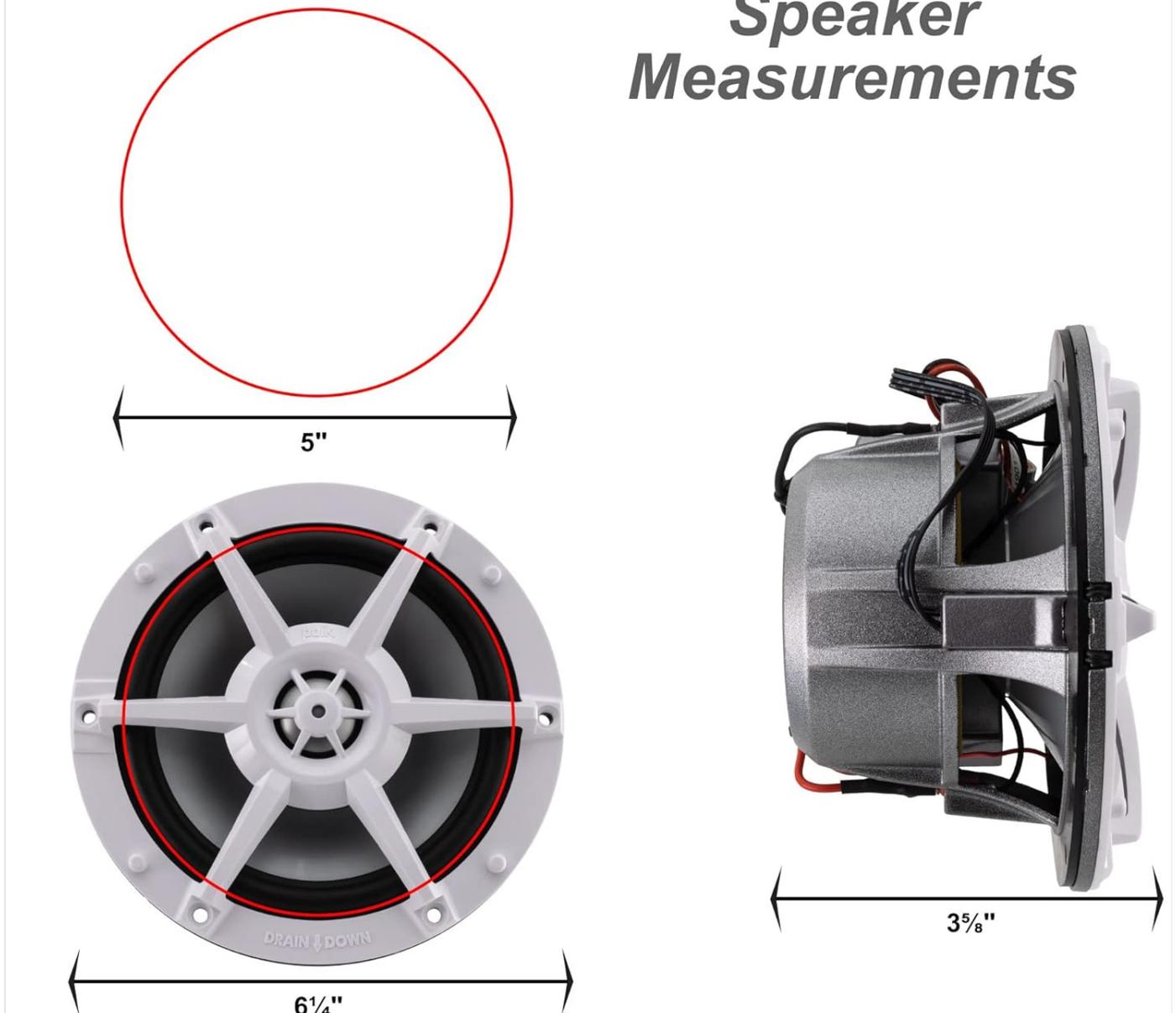
Figure 3: Speaker measurements, showing a 5-inch cutout diameter, 6 1/4-inch overall diameter, and 3 1/8-inch mounting depth.

Setup and Installation

Proper installation is crucial for speaker performance and longevity. Due to its free-air design, this speaker can be installed without a dedicated enclosure, simplifying the process.

1. **Choose Mounting Location:** Select a flat, stable surface that can accommodate the speaker's dimensions (refer to Figure 3). Ensure there is sufficient depth for the speaker magnet and wiring.

2. **Prepare Mounting Hole:** Using the provided template or the dimensions in Figure 3, carefully cut a 5-inch diameter hole for the speaker. Drill pilot holes for the mounting screws.

3. **Wiring Connections:**

   - **Audio Wiring:** Connect the speaker's positive (+) and negative (-) terminals to the corresponding outputs on your audio amplifier or head unit. Ensure correct polarity for optimal sound.

   - **RGB LED Wiring:** Connect the RGB LED wires to a compatible LED controller (sold separately). Follow the

controller's instructions for power and signal connections.

4. **Mount Speaker:** Place the speaker into the prepared opening. Secure it using the provided mounting screws, tightening them evenly to prevent distortion of the speaker frame.

5. **Test Functionality:** After installation, test both the audio and RGB LED lighting to ensure all connections are correct and the speaker is functioning as expected.

Operating Instructions

Once installed, operating your RecPro speaker is straightforward:

- **Audio Playback:** Turn on your audio source (e.g., RV stereo, marine head unit). Adjust the volume and audio settings (bass, treble, balance, fader) on your audio device to achieve your desired sound quality.

- **RGB LED Control:** The RGB LED lighting requires an external LED controller (not included). Refer to the instructions provided with your LED controller to select colors, patterns, brightness, and other lighting effects. Ensure the LED controller is powered on and properly connected to the speaker's LED wiring.

Maintenance

Regular maintenance helps preserve the appearance and performance of your speakers:

- **Cleaning:** Use a soft, damp cloth to wipe down the speaker grilles and frame. Avoid abrasive cleaners or solvents, which can damage the finish or components. For stubborn dirt, a mild soap solution can be used, followed by rinsing with clean water and drying thoroughly.

- **Inspection:** Periodically check all mounting screws and wiring connections to ensure they are secure. Loose connections can lead to poor sound quality or intermittent operation.

- **Environmental Protection:** Although water-resistant and UV-resistant, prolonged exposure to extreme weather conditions can still affect the speaker's lifespan. Consider covering speakers when not in use for extended periods in harsh environments.

Troubleshooting

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

Problem	Possible Cause	Solution
No sound from speaker	Loose or incorrect audio wiring; amplifier off or faulty; audio source issue.	Check all audio connections for proper polarity and secure fit. Ensure amplifier is powered on and functioning. Verify audio source is playing.
Distorted or poor sound quality	Incorrect wiring polarity; damaged speaker cone; amplifier clipping; improper audio settings.	Check wiring polarity. Inspect speaker cone for damage. Reduce amplifier gain or volume. Adjust bass/treble settings on audio source.
RGB LEDs not lighting up or incorrect colors	Loose or incorrect LED wiring; faulty LED controller; power issue to LED controller.	Verify all LED wiring connections are secure and correct. Ensure LED controller is powered on and functioning. Consult LED controller manual for troubleshooting.
Intermittent operation	Loose connections; faulty wiring; power fluctuations.	Inspect all wiring and connections for tightness. Check power supply to audio system and LED controller.

Specifications

Feature	Detail
Model Number	RP-2357
Brand	RecPro
Speaker Type	Coaxial, Outdoor, Woofer
Size	6 inches
Color	White
Max Power Handling	150 Watts
Waterproof	Yes
UV Resistant	Yes
Mounting Type	Boat Mount, Coaxial (Free-Air Design)
Included Components	Speaker (1 unit)
UPC	193652085836
Manufacturer	RecPro

Warranty and Support

For warranty information, technical support, or service inquiries, please contact RecPro customer service. Details regarding product warranty coverage and how to obtain support are typically available on the manufacturer's official website or through your purchase documentation. Please have your model number (RP-2357) and proof of purchase ready when contacting support.

Contact Information: Refer to the RecPro official website or your product packaging for the most current contact details.