

Rockville RM-PREMIUM-65

Rockville RM-PREMIUM-65 6.5" Marine Boat Speakers Instruction Manual

Model: RM-PREMIUM-65

Brand: Rockville

1. INTRODUCTION

Thank you for choosing Rockville RM-PREMIUM-65 6.5" Marine Boat Speakers. These speakers are designed to deliver crisp, clear audio with robust lows and highs, making them ideal for marine and various outdoor vehicle applications. Built with durability in mind, they are fully marinized to withstand harsh salt and freshwater conditions.

This manual provides essential information for the proper setup, installation, operation, and maintenance of your new speakers. Please read it thoroughly before use to ensure optimal performance and longevity.



Figure 1: Rockville RM-PREMIUM-65 Marine Speakers

Product Overview Video

Video 1: An overview of the Rockville RM-PREMIUM-65 speakers, highlighting their features and applications.

2. WHAT'S IN THE Box

Carefully unpack your Rockville RM-PREMIUM-65 speakers and ensure all items are present:

- Pair of 6.5" Marine Speakers
- 9.84 feet of Speaker Wire
- Stainless Steel Mounting Screws



Figure 2: Included components with your RM-PREMIUM-65 speakers.

3. INSTALLATION

The RM-PREMIUM-65 speakers can be installed directly into a panel or into speaker pods such as wakeboard tower speakers or UTV kick panel pods. Ensure the chosen mounting location has sufficient space for the speaker's dimensions (5.787" cutout diameter, 2.56" mounting depth).

Installation into Speaker Pods

1. **Prepare the Pod:** Identify the location for the speaker wire exit. The speaker terminals are located at the bottom of the speaker. Drill a hole in the pod at the desired location for the speaker wire.

Drilling a hole in a speaker pod for wire routing

Figure 3: Drilling a hole in the speaker pod for wire routing.

2. **Connect Speaker Wires:** Use the provided speaker wire with spade terminals. Connect the white wire to the positive (+) terminal and the black wire to the negative (-) terminal on the speaker. The positive terminal is typically connected to a red wire running to a fuse.



Figure 4: Connecting speaker wires to the terminals.

3. **Route Wires:** Feed the connected speaker wires through the drilled hole in the pod, leaving enough slack inside the pod for speaker placement.

Routing speaker wires through the pod

Figure 5: Routing speaker wires through the pod.

4. **Place Speakers:** Carefully fit the speakers into the pods. For a clean aesthetic, align the Rockville emblem at the bottom.



Figure 6: Speakers fitted into pods.

5. **Secure Speakers:** Use the provided stainless steel mounting screws to secure the speakers to the pods. Align the screws with the holes on the speaker and use a drill to fasten them.

Securing speakers into pods with screws

Figure 7: Securing speakers into pods.

Installation Video

Video 2: Detailed instructions on how to install your RM-PREMIUM-65 speakers into panel speaker pods.

4. WIRING AND SETUP

After securing your speakers, the next step is to connect them to your amplifier. Maintain consistency in wiring (e.g., white to positive, black to negative) for all speakers.

1. **Prepare Amplifier Terminals:** Use an Allen key to loosen the speaker terminals on your amplifier.
2. **Connect Speaker Wires to Amplifier:** Insert the white wire (from the speaker's positive terminal) into the positive (+) terminal of an amplifier channel. Insert the black wire (from the speaker's negative terminal) into the negative (-) terminal of the same amplifier channel.

Connecting speaker wires to an amplifier

Figure 8: Connecting speaker wires to the amplifier.

3. **Secure Connections:** Once the wires are correctly inserted, use the Allen key to tighten the amplifier terminals, ensuring a secure connection.
4. **Adjust Amplifier Settings:** Set the amplifier to full range mode, as these are full range speakers. Adjust the level for the amplifier as needed.
5. **Connect Music Source:** Connect your head unit or music source to the amplifier.

Setup Video

Video 3: Step-by-step guide on how to set up your RM-PREMIUM-65 speakers with an amplifier.

5. SPECIFICATIONS

Feature	Specification
Speaker Size	6.5 Inches
Peak Power Handling	600 Watts (per pair)
RMS Power Handling	150 Watts (per pair), 75 Watts (per speaker)
Impedance	4 Ohms
Tweeter	1" PEI Dome Tweeter with Neodymium Magnet
Magnet	11 Oz Y35 Magnet
Sensitivity	93dB
Cutout Diameter	5.787"

Mounting Depth	2.56"
Material	Acrylonitrile Butadiene Styrene (ABS) Basket
Waterproof	Yes (Fully Marinized)
Recommended Uses	Marine, Car, ATV, UTV

6. OPERATING INSTRUCTIONS

Once installed and wired, your RM-PREMIUM-65 speakers are ready for use. Ensure your amplifier is powered on and your music source is connected and playing. Adjust the volume and any equalizer settings on your head unit or amplifier to achieve your desired sound. These speakers are designed for high-power handling and deliver clear audio even at high volumes, but always listen responsibly to prevent hearing damage and speaker distortion.

7. MAINTENANCE

To ensure the longevity and optimal performance of your marine speakers, follow these maintenance guidelines:

- **Cleaning:** Regularly clean the speakers with a soft, damp cloth. Avoid harsh chemicals or abrasive cleaners that could damage the UV-treated cones or rubber surrounds.
- **Inspection:** Periodically inspect all wiring connections for corrosion or looseness. Tighten any loose connections and clean any corrosion to maintain good electrical contact.
- **Environmental Protection:** While fully marinized, prolonged exposure to extreme conditions can still affect performance. If possible, cover the speakers when not in use for extended periods, especially in harsh sunlight or heavy rain.

8. TROUBLESHOOTING

If you experience issues with your RM-PREMIUM-65 speakers, refer to the following common troubleshooting steps:

- **No Sound:**
 - Check all wiring connections from the speakers to the amplifier and from the amplifier to the music source. Ensure they are secure and correctly polarized (positive to positive, negative to negative).
 - Verify the amplifier is powered on and functioning correctly.
 - Confirm the music source is playing and its volume is turned up.
- **Distorted Sound:**
 - Reduce the volume on your head unit or amplifier. Distortion often occurs when the signal is too high.
 - Check amplifier gain settings. If set too high, it can cause distortion.
 - Inspect speaker cones for any physical damage.
- **Low Volume:**
 - Increase the volume on both your music source and amplifier.

- Ensure amplifier gain settings are appropriate for the input signal.
- Verify speaker impedance matches the amplifier's recommended load (4-Ohm).

9. WARRANTY AND SUPPORT

Your Rockville RM-PREMIUM-65 speakers come with a limited warranty. For specific warranty details, please refer to the warranty card included in your package or visit our official support website.

For any questions, comments, or concerns regarding your product, please do not hesitate to contact our customer support team:

- **Phone:** 1-646-758-0144 (Open 24/7)
- **Email:** sales@rockvilleaudio.com
- **Online Support:** rockvillesupport.com/rm-premium-65-black



Figure 9: Rockville Logo