

## Pro-Ject RM3 Carbon

# Pro-Ject RM3 Carbon Turntable Instruction Manual

Model: RM3 Carbon (RPM3CWHT)

## 1. INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your Pro-Ject RM3 Carbon turntable. Designed for high-fidelity audio playback, this turntable features a carbon tonearm and a sleek high-gloss white finish. Please read this manual thoroughly before initial use to ensure proper function and longevity of your device.

## 2. SAFETY INSTRUCTIONS

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- Always disconnect the turntable from the power supply before cleaning or maintenance.
- Keep the turntable away from water, moisture, and direct sunlight.
- Place the turntable on a stable, level surface to prevent vibrations and ensure proper operation.
- Do not attempt to disassemble or repair the unit yourself. Refer all servicing to qualified personnel.
- Use only the power adapter supplied with the unit.

## 3. PACKAGE CONTENTS

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Verify that your package contains the following items:

- Pro-Ject RM3 Carbon Turntable Unit
- Platter
- Drive Belt
- Counterweight
- Anti-skating Weight
- Power Supply Unit
- Felt Mat
- Instruction Manual

## 4. SETUP

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## 4.1 Placement

Place the turntable on a firm, level surface, free from vibrations. Ensure adequate ventilation around the unit.

## 4.2 Platter and Belt Installation

1. Carefully place the platter onto the central spindle.
2. Locate the drive motor pulley. Gently stretch the drive belt around the platter's sub-platter and the motor pulley.



Image: The Pro-Ject RM3 Carbon turntable, showing the black platter, white plinth, and carbon fiber tonearm. This image illustrates the assembled unit before operation.

## 4.3 Tonearm Balance and Tracking Force Adjustment

The cartridge is typically pre-mounted. Follow these steps to balance the tonearm and set the tracking force:

1. Remove the stylus protector.
2. Lower the tonearm lift.
3. Carefully move the tonearm between the tonearm rest and the platter.
4. Adjust the counterweight by rotating it until the tonearm floats horizontally.
5. Return the tonearm to its rest. Hold the counterweight stationary and rotate the tracking force ring until the "0" mark aligns with the black line on the tonearm.

6. Rotate the counterweight (including the ring) counter-clockwise to set the recommended tracking force for your cartridge (refer to cartridge specifications, typically 1.8g - 2.2g).

#### 4.4 Anti-skating Adjustment

Attach the anti-skating weight thread to the second groove of the anti-skating stub for typical cartridges. Adjust as necessary based on listening tests.

#### 4.5 Connecting to an Amplifier

Connect the turntable's RCA output cables to the "Phono" input of your amplifier or a dedicated phono preamplifier. Ensure the ground wire is connected to the ground terminal on your amplifier/preamplifier to minimize hum.

#### 4.6 Power Connection

Connect the power supply to the turntable's power input and then plug it into a suitable wall outlet.

### 5. OPERATING INSTRUCTIONS

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#### 5.1 Powering On/Off

Press the power button located on the plinth to turn the turntable on or off. The platter will begin to rotate when powered on.

#### 5.2 Playing a Record

1. Place a record on the platter, ensuring it is centered.
2. Lift the tonearm using the tonearm lift lever.
3. Carefully position the stylus over the desired starting groove of the record.
4. Gently lower the tonearm lift lever to allow the stylus to descend onto the record.

#### 5.3 Stopping Playback

1. Lift the tonearm using the tonearm lift lever.
2. Return the tonearm to its rest.
3. Press the power button to stop the platter rotation.

### 6. MAINTENANCE

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#### 6.1 Cleaning the Turntable

Wipe the plinth and platter with a soft, dry, anti-static cloth. Avoid using abrasive cleaners or solvents. For the high-gloss finish, use a specialized cleaning solution if necessary, applied to the cloth, not directly to the surface.

#### 6.2 Cleaning the Stylus

Use a dedicated stylus cleaning brush or fluid. Always brush from back to front, never side to side, to avoid damaging the stylus cantilever.

#### 6.3 Drive Belt Replacement

Over time, the drive belt may stretch or degrade. If you notice inconsistent speed or reduced performance, replace the belt with an original Pro-Ject replacement part. Refer to section 4.2 for belt installation.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power / Platter not spinning	Power cable disconnected; Power outlet faulty; Power button off.	Check power connections; Try a different outlet; Ensure power button is pressed.
No sound or very low volume	Incorrect amplifier input; Phono stage not engaged; Cables loose; Stylus protector still on.	Connect to "Phono" input; Activate phono stage; Secure all cables; Remove stylus protector.
Distorted sound or skipping	Incorrect tracking force; Damaged stylus; Dirty record; Turntable not level.	Adjust tracking force (Section 4.3); Inspect/replace stylus; Clean record; Level the turntable.
Humming noise	Ground wire not connected; Interference from other electronics; Motor issue.	Ensure ground wire is connected; Relocate turntable away from interfering devices; Contact support if motor hum persists.
Inconsistent speed	Worn drive belt; Motor issue.	Replace drive belt (Section 6.3); Contact support if issue persists.

## 8. SPECIFICATIONS

**Model:** RM3 Carbon (RPM3CWHT)

**Brand:** Pro-Ject

**Product Dimensions:** 21 x 18 x 10.5 inches

**Item Weight:** 15.92 pounds

**Material:** Engineered Wood

**Color:** High-Gloss White

**Motor Type:** DC Motor

**Voltage:** 15 Volts

**Signal-to-Noise Ratio:** 71 dB

## 9. WARRANTY AND SUPPORT

Pro-Ject products are covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Pro-Ject website. For technical support or service inquiries, please contact your authorized Pro-Ject dealer or the manufacturer's customer service department.

**Manufacturer:** Pro-Ject

**Website:** [Pro-Ject Audio Systems Store](#)