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Pro-Ject Debut Carbon DC

Pro-Ject Debut Carbon DC Turntable User Manual

Model: Debut Carbon DC (9120050435933)

1. INTRODUCTION

Thank you for choosing the Pro-Ject Debut Carbon DC Turntable. This manual provides essential information for the proper setup, operation, and maintenance of your turntable. Please read these instructions carefully before using the device to ensure optimal performance and longevity.

The Pro-Ject Debut Carbon DC is a high-fidelity turntable designed for exceptional audio reproduction, featuring an 8.6-inch carbon fiber tonearm and a pre-mounted Ortofon 2M Red cartridge.

2. SAFETY INSTRUCTIONS

- Always disconnect the turntable from the power supply before cleaning or performing any 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 repair the unit yourself. Refer all servicing to qualified personnel.
- Avoid touching the stylus with your fingers to prevent damage.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Pro-Ject Debut Carbon DC Turntable with pre-mounted Ortofon 2M Red Cartridge
- Connect-It E RCA Cable
- Removable Power Supply

- Felt Platter Mat
- Dust Cover
- Counterweight
- Anti-skate weight

4. SETUP

4.1 Unpacking and Placement

Carefully remove all components from the packaging. Place the turntable on a firm, level surface, away from direct heat sources or strong vibrations. Ensure adequate ventilation around the unit.

4.2 Platter and Belt Installation

1. Place the main platter onto the turntable spindle.
2. Locate the drive belt. Carefully stretch the belt around the inner rim of the platter and around the motor pulley. Ensure the belt is not twisted.



Image: The Pro-Ject Debut Carbon DC Turntable fully assembled, showing the platter, tonearm, and Ortofon 2M Red cartridge. This image illustrates the overall appearance of the turntable after initial setup.

4.3 Tonearm Balance and Tracking Force

The Ortofon 2M Red cartridge is pre-mounted. However, proper tonearm balance and tracking force adjustment are crucial for optimal sound and record preservation.

1. With the anti-skate weight removed, carefully unclip the tonearm and move it away from the tonearm rest.
2. Rotate the counterweight on the rear of the tonearm until the tonearm floats freely and is perfectly balanced horizontally.
3. Once balanced, return the tonearm to its rest. Hold the counterweight steady and rotate the numbered ring until '0' aligns with the line on the tonearm.
4. Rotate the entire counterweight counter-clockwise until the desired tracking force is set. For the Ortofon 2M Red, the recommended tracking force is typically 1.8 grams.



Image: A close-up view of the Ortofon 2M Red cartridge mounted on the carbon fiber tonearm of the Pro-Ject Debut Carbon DC turntable. This highlights the stylus and cartridge assembly.

4.4 Anti-Skate Adjustment

The anti-skate mechanism prevents the tonearm from being pulled inwards towards the center of the record. Attach the small loop of the anti-skate weight's thread to the second groove of the anti-skate stub on the tonearm support.

4.5 Connecting to an Amplifier

Connect the supplied RCA cable from the turntable's output jacks to the 'Phono' input on your amplifier or a dedicated phono pre-amplifier. If your amplifier does not have a 'Phono' input, you will need an external phono pre-amplifier. Connect the ground wire from the turntable to the ground terminal on your amplifier or phono pre-amplifier to minimize hum.



Image: A side view of the Pro-Ject Debut Carbon DC Turntable, illustrating the rear panel with RCA output jacks and the power input. This shows where to connect audio cables and the power supply.

4.6 Power Connection

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

4.7 Dust Cover

Carefully attach the dust cover to the hinges on the rear of the turntable. The dust cover protects the turntable from dust when not in use.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

The power switch is located on the underside of the turntable, near the front left corner. Flip the switch to the 'ON' position to start the platter rotation. Flip it to 'OFF' to stop.

5.2 Playing a Record

1. Place a record on the platter, ensuring it is centered.
2. Turn on the turntable using the power switch.
3. Carefully lift the tonearm using the cueing lever.
4. Position the tonearm over the desired starting groove of the record.
5. Gently lower the tonearm using the cueing lever. The stylus will make contact with the record and playback will begin.
6. At the end of the record, lift the tonearm using the cueing lever and return it to the tonearm rest.

5.3 Changing Playback Speed (33/45 RPM)

The Pro-Ject Debut Carbon DC requires manual adjustment to change playback speed between 33 and 45 RPM.

1. Turn off the turntable.
2. Carefully remove the felt mat and lift the platter off the spindle.
3. Locate the motor pulley. It has two different diameter steps.
4. For 33 RPM, place the drive belt around the smaller diameter step of the motor pulley.
5. For 45 RPM, place the drive belt around the larger diameter step of the motor pulley.
6. Replace the platter and felt mat.

6. MAINTENANCE

6.1 Cleaning the Turntable

Use a soft, lint-free cloth to gently wipe the turntable chassis and dust cover. Avoid using abrasive cleaners or solvents. For the platter, use a slightly damp cloth if necessary, ensuring it is dry before use.

6.2 Stylus Care

The stylus is delicate. Use a soft stylus brush, brushing gently from back to front, to remove dust and debris. Never use your fingers to clean the stylus. A dirty stylus can damage your records and degrade sound quality.

6.3 Drive Belt Inspection

Periodically inspect the drive belt for signs of wear or stretching. A worn belt can lead to inconsistent playback speed. Replace the belt if it appears damaged or loose.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; power outlet faulty; power switch off.	Check power connections; try a different outlet; ensure power switch is ON.
No sound from one or both channels	RCA cables not connected correctly; phono input not selected; damaged stylus; amplifier issues.	Check RCA connections; select correct input on amplifier; inspect stylus; test amplifier with another source.
Humming noise	Ground wire not connected; proximity to other electronic devices; faulty cables.	Connect ground wire; move turntable away from other electronics; try different RCA cables.
Incorrect playback speed	Drive belt incorrectly positioned; worn drive belt.	Adjust drive belt to correct motor pulley step; replace drive belt if worn.
Distorted sound	Dirty or damaged stylus; incorrect tracking force; worn record.	Clean or replace stylus; re-adjust tracking force; try a different record.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact your dealer or Pro-Ject customer support for assistance.

8. SPECIFICATIONS

Feature	Detail
Model Name	Debut Carbon DC
Item Model Number	9120050435933

Feature	Detail
Product Dimensions	12.6 x 16.34 x 4.65 inches
Item Weight	12.35 pounds (5600 Grams)
Brand	Pro-Ject
Maximum Rotational Speed	45 RPM (also supports 33 RPM)
Included Components	Turntable with pre-mounted Ortofon 2M Red Cartridge, Connect-It E RCA Cable, removable Power Supply, felt platter mat, and dust cover
Special Features	Carbon Tube Tone-Arm, Balanced Steel Platter, Decoupled Motor, Pre-Mounted Ortofon 2M Red Cartridge
Material	Engineered Wood, Plastic
Color	Piano Black
Compatible Devices	Speaker, Personal Computer, Desktop, Smartphone, Tablet, Laptop (via appropriate audio interfaces/pre-amps)

9. WARRANTY AND SUPPORT

Specific warranty information for the Pro-Ject Debut Carbon DC Turntable is typically provided with the product packaging or available from your authorized dealer. Please retain your proof of purchase for warranty claims.

For technical support, service, or further inquiries, please contact your local Pro-Ject dealer or visit the official Pro-Ject Audio Systems website.