

Pro-Ject PJ292792

Pro-Ject Debut PRO S Turntable User Manual

Model: PJ292792

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Pro-Ject Debut PRO S Turntable. Please read these instructions carefully before using your turntable to ensure optimal performance and longevity of the product.

PACKAGE CONTENTS

Before proceeding with setup, verify that all components are present in the packaging:

- Pro-Ject Debut PRO S Turntable Unit
- Pick it S2 C integrated cartridge/headshell
- 10" Aluminum S-Shaped Tonearm (pre-installed)
- Precision aluminum platter with TPE damping
- TPE-Damped Die-Cast Aluminum Record Platter
- Dustcover
- Premium semi-symmetrical phono cable
- Power supply
- Counterweight
- Anti-skate weight
- Setup tools (e.g., alignment protractor, stylus force gauge)

SETUP

Proper setup is crucial for the performance of your turntable. Follow these steps carefully.

1. Unpacking and Placement

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



Image: The Pro-Ject Debut PRO S Turntable, showcasing its sleek satin black finish and the S-shaped tonearm. This view highlights the overall design and footprint of the unit, important for placement considerations.

The turntable features height-adjustable TPE-damped metal feet. Adjust these feet to ensure the turntable chassis is perfectly level. This minimizes resonance and improves playback stability.



Image: An angled view from below the turntable, illustrating the motor suspension system and the adjustable TPE-damped metal feet. Proper adjustment of these feet is essential for leveling the turntable and isolating it from vibrations.

2. Platter and Belt Installation

Carefully place the TPE-damped die-cast aluminum record platter onto the spindle. Locate the drive belt and loop it around the motor pulley and the sub-platter rim. Ensure the belt is not twisted.

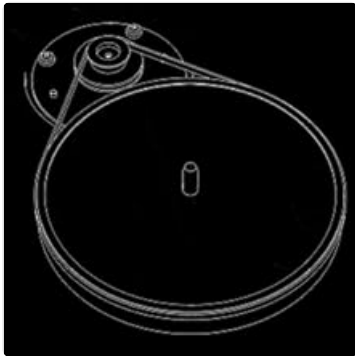


Image: A schematic diagram illustrating the turntable's platter and belt drive mechanism. This visual aid helps in correctly installing the drive belt around the motor pulley and the sub-platter.

3. Tonearm and Cartridge Setup

The Debut PRO S comes with a 10" S-shaped aluminum tonearm and a Pick it S2 C integrated cartridge/headshell pre-installed. You will need to balance the tonearm and set the tracking force.

1. **Balance the Tonearm:** Gently release the tonearm clamp. While supporting the tonearm, rotate the counterweight until the tonearm floats freely and horizontally.
2. **Set Tracking Force:** Once balanced, rotate the tracking force scale ring on the counterweight to '0' without moving the counterweight itself. Then, rotate the entire counterweight counter-clockwise until the desired tracking force (typically specified by the cartridge manufacturer, usually around 1.8g for the Pick it S2 C) is indicated on the scale.
3. **Set Anti-Skate:** Attach the anti-skate weight to the small fishing line and loop it over the anti-skate post. The recommended setting for the Pick it S2 C cartridge is typically the second groove from the tonearm pivot.



Image: A detailed view of the S-shaped tonearm, highlighting the counterweight and anti-skate mechanism. This image is crucial for understanding the physical components involved in balancing the tonearm and setting the tracking force.



Image: A close-up of the tonearm's pivot area, clearly showing the anti-skate weight and its attachment point. This detail assists users in correctly setting the anti-skate force.

The tonearm also supports VTA (Vertical Tracking Angle) and Azimuth adjustment for fine-tuning cartridge performance. Refer to advanced setup guides if you wish to adjust these parameters.

4. Connections

Connect the premium semi-symmetrical phono cable from the turntable's RCA outputs to the phono input of your amplifier or phono preamplifier. Ensure the ground wire is connected to the ground terminal on your amplifier to prevent hum. Connect the power supply to the turntable's power input and then to a suitable wall outlet.

OPERATING INSTRUCTIONS

Once set up, operating your Pro-Ject Debut PRO S Turntable is straightforward.

1. Powering On and Speed Selection

Locate the power switch, typically on the underside or side of the plinth. Turn the turntable on. The Debut PRO S supports multiple speeds, including 33 1/3, 45, and 78 RPM. Adjust the speed according to the record you are playing. For 78 RPM records, a special stylus may be required.



Image: An overhead view of the Pro-Ject Debut PRO S Turntable, providing a clear perspective of the platter, tonearm, and the overall layout. This angle is useful for understanding the operational components.

2. Playing a Record

1. Place a record on the platter.
2. Ensure the correct playback speed is selected.
3. Gently lift the tonearm using the cueing lever.
4. Position the stylus over the lead-in groove of the record.
5. Slowly lower the cueing lever to allow the stylus to descend onto the record.
6. At the end of the record, lift the tonearm using the cueing lever and return it to the tonearm rest. Secure it with the tonearm clamp.

MAINTENANCE

Regular maintenance will help preserve the performance and appearance of your turntable.

- **Cleaning the Chassis:** The turntable features an 8-coat hand-painted satin black MDF chassis. Use a soft, dry, lint-free cloth to gently wipe the surface. Avoid abrasive cleaners or solvents.
- **Cleaning the Stylus:** Use a dedicated stylus cleaning brush or fluid to carefully clean the stylus before or after each play. Always brush from back to front.
- **Dustcover Care:** The included dustcover protects the turntable from dust. Clean it with a soft, damp cloth. Do not use harsh chemicals.
- **Belt Inspection:** Periodically inspect the drive belt for wear or stretching. Replace if necessary to maintain accurate playback speed.

TROUBLESHOOTING

If you encounter issues with your turntable, refer to the following common problems and solutions.

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|-----------------------------|---|---|
| No sound or very low sound | Incorrect input selected on amplifier | Select correct phono input |
| | Cables not connected properly | Check all RCA and ground connections |
| | Stylus damaged or missing | Inspect stylus; replace if necessary |
| | Phono stage not engaged or incorrect type | Ensure phono preamplifier is active and set to MM (Moving Magnet) |
| Humming noise | Ground wire not connected | Ensure ground wire is securely connected |
| | Interference from other electronics | Move turntable away from other electronic devices |
| | Loose connections | Check all cable connections |
| Skipping or distorted sound | Incorrect tracking force or anti-skate | Re-adjust tracking force and anti-skate |
| | Turntable not level | Level the turntable using the adjustable feet |
| | Dirty or damaged record/stylus | Clean record and stylus; inspect stylus for damage |
| | Vibrations | Ensure turntable is on a stable, isolated surface |
| Incorrect playback speed | Incorrect speed selected | Verify speed switch setting |
| | Worn or stretched drive belt | Inspect and replace drive belt if necessary |

SPECIFICATIONS

| Feature | Detail |
|--------------------------------|--|
| Model Name | Debut PRO S |
| Item Model Number | PJ292792 |
| Brand | Pro-Ject |
| Product Dimensions (L x W x H) | 13.39 x 18.11 x 5.51 inches |
| Item Weight | 15.4 pounds (7 Kilograms) |
| Tonearm Style | S Shape Tonearm, 10" Aluminum |
| Cartridge | Pick it S2 C integrated cartridge/headshell |
| Platter | Precision aluminum platter with TPE damping, TPE-Damped Die-Cast Aluminum Record Platter |
| Chassis Material | Engineered Wood (MDF) with 8-coat hand-painted satin black finish |
| Motor Type | AC Motor with motor suspension |
| Special Features | VTA & Azimuth Adjustment, 78 RPM Support, Height-adjustable TPE-damped metal feet |
| Color | Black |
| Compatible Devices | Laptop, Desktop, Personal Computer, Headphone, Speaker (via appropriate amplification) |

WARRANTY AND SUPPORT

Warranty Information: Specific warranty terms and conditions for the Pro-Ject Debut PRO S Turntable are typically provided with

the product packaging or can be found on the official Pro-Ject Audio Systems website. Please retain your proof of purchase for warranty claims.

Customer Support: For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Pro-Ject Audio Systems customer support or your authorized dealer. Contact information can usually be found on the manufacturer's website or in the product documentation.