

Ollie-B

User Manual

Welcome to the Ollie-B User Manual. Please read this manual carefully before operating Ollie-B. Failure to follow the instructions in this manual may result in suboptimal performance, damage to the machine, or personal injury.

Safety Precautions

- ◆ Before proceeding with any operation described in this manual, make sure you understand the instructions. If you have any trouble whatsoever, contact us at info@dbd-tools.com. We are here to help you.
- ◆ Ensure Ollie-B is connected to a grounded and undamaged power outlet. If you live outside the EU and didn't receive a power cable suitable for your country's power outlets, contact us and we will send you one. **Do not use damaged extension cords.**
- ◆ Ollie-B is designed for indoor use only. Make sure you don't operate it in wet or damp conditions.
- ◆ Use Ollie-B in a well-ventilated area and clean the machine and surrounding workspace periodically to prevent buildup of brake pad and rotor particles, which may cause irritation in sensitive individuals.
- ◆ Avoid modifying any part of Ollie-B. Unauthorized modifications may result in serious injury or death.
- ◆ Keep the work area around Ollie-B clear of obstructions.
- ◆ Do not wear loose clothing or accessories that might get caught in moving parts. Tie back long hair.
- ◆ Never operate Ollie-B without its safety covers properly in place.
- ◆ Do not touch any moving parts while operating Ollie-B.
- ◆ Ensure proper ventilation to prevent overheating during extended use.
- ◆ Follow this manual's troubleshooting steps or contact support if any issues arise.

Assembly and Installation

For your convenience, Ollie-B is shipped almost completely assembled. Follow these steps to complete the setup:

1. Unpack Ollie-B and its power cable from the box.
2. Mount the transport wheels to both sides of the machine using the included M6 screws (T25 key) – see the last page of this manual for drawing.
3. Position Ollie-B in a well-lit, well-ventilated and level area with sufficient space for operation.
4. Connect the power cable to the power plug on Ollie-B and a grounded outlet.
5. Ensure the rollers are clean and free from debris before use.



ATTENTION: DO NOT PLACE ANY OBJECT OR PART OF THE BODY CLOSE TO THE ROLLERS, CENTERING MECHANISM OR INSIDE COVERS WHILE OLLIE-B IS TURNED ON (REGARDLESS OF IT NOT BEING ACTIVELY USED AT THE MOMENT).



ALWAYS TURN OFF AND UNPLUG THE MACHINE BEFORE PERFORMING ANY MAINTENANCE OR SERVICE PROCEDURES AS WELL AS WHEN MOVING IT AROUND.

Operation

Ollie-B can be operated with the display-mounted buttons or with the centering mechanism switch. The display is shown and explained in Figure 1. **The centering mechanism switch operation is described separately in the next section.**

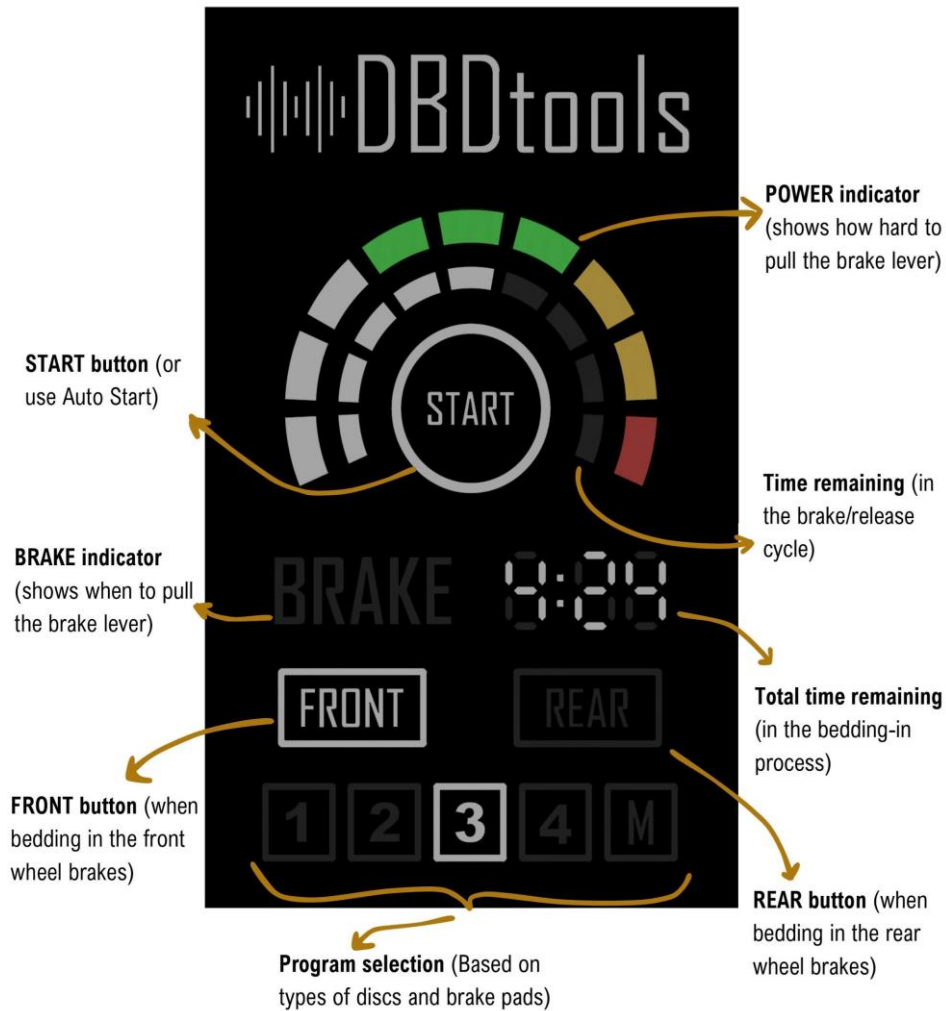
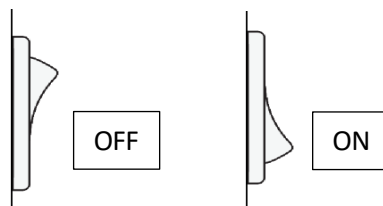


Figure 1: Display

1. Power on

Turn on Ollie-B using the power button located on the back. The display lights up and an audible signal is produced, indicating readiness.



2. Wheel selection

Select the desired wheel (front or rear) to perform a bedding-in procedure on. This is done using the buttons on the display.

3. Protocol Selection

Choose the appropriate protocol for the rotor size using the display buttons. The protocols are optimized for both rotor size, as well as tire type. The protocols vary in speed and power delivery to optimize grip and noise for the different tire types that mostly coincide with rotor sizes.

Protocol	Rotor Size
1	Road Bikes Only, 140 mm and 160 mm
2	160 mm and 180 mm
3	200 mm and above
4	All (for special applications)
M	Manual mode

The protocol selection is also shown on the magnet you received with your Ollie-B:



Protocol 4 is used when it is not possible to ensure a good grip between the tire and the rollers.

It is based on Protocol 2, so if you are bedding in 140 mm rotors, finish the procedure one braking/cooldown cycle earlier and add a braking/cooldown cycle for 200 mm+ rotors by restarting the protocol.

Manual mode runs the machine constantly without prompting the user to brake/release the brake.

4. Wheel Placement

Place the bike's wheel into the centering mechanism (Figure 2). The mechanism will automatically align the wheel and adjust its position for the wheel size and tire width. The rollers start spinning. At this stage, do not press down with the bike's wheel. Wait for a few seconds as Ollie-B calibrates itself to compensate for tire friction.

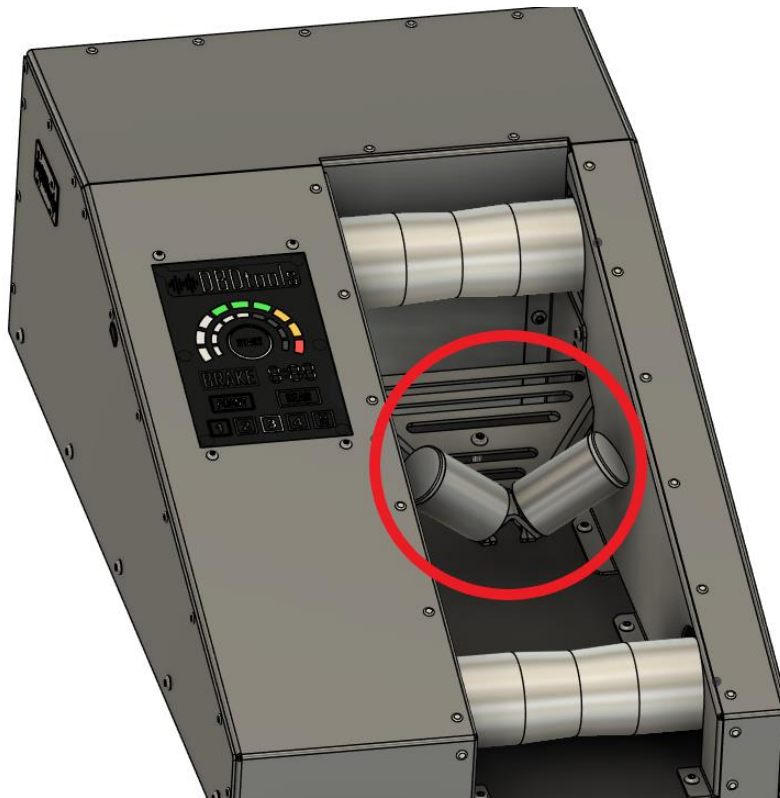


Figure 2: Centering Mechanism

5. Bedding-In Cycles:

The display indicates when to apply and release the brake. Once the BRAKE indicator turns on, gradually pull the brake lever to achieve the target braking force displayed in the green zone. Once you start braking, the timer will start counting down bars under the POWER indicator. The total time remaining in the bedding-in procedure will also start counting down. When the current cycle time bar reaches 0, the BRAKE indicator will turn off. Release the brake and wait for the timer to count down the cooldown period. Repeat until the protocol is completed.



During the braking cycle, apply enough force to the wheel to prevent tire from slipping. If you hear a significant reduction in tire speed, your tire is slipping. Ollie-B is more than strong enough to keep spinning the rollers if you lock up the brake. **Do not let the tire stop spinning during the bedding-in process.**



Allow Ollie-B to complete the braking and cooldown cycles. Removing the bike from the centering mechanism mid-cycle will reset the protocol.

6. Completion

Remove the bike from the rollers once the bedding-in process is done.

To bed in the other wheel, simply select the correct direction on the display. Be careful to select the correct direction for the rear wheel as selecting FRONT will cause the bike's drivetrain to rotate backwards and potentially drop your chain depending on the bike's setup.

Hands-Free Operation

Ollie-B's centering mechanism also serves as a protocol selector and direction changer. If the centering mechanism is pressed and released quickly, the protocol selection changes. If the brake is applied in the first two seconds when the rollers start spinning, the rotation direction is changed. You can simply place the bike's wheel onto the centering mechanism with the brake engaged and the direction of rotation will be changed. Afterwards, release the brake and perform the bedding-in procedure. The default rotation direction upon startup is always REAR as this prevents the drivetrain of the bike from spinning backwards when placing the wheel onto the machine.

Maintenance

Ollie-B is designed to require very little regular maintenance. The following table lists the maintenance procedures and frequency.

Procedure	Frequency
Wipe down rollers and surfaces to remove dirt and debris.	Daily.
Inspect the rollers for wear and clean them with isopropyl alcohol.	Weekly.
Check the centering mechanism switch and adjust its position if necessary. The switch should click after 1-3 mm of centering mechanism roller travel.	As necessary.

Specifications

- ◆ Power Requirement: 230V AC
- ◆ Rated Power Output: 550W continuous.
- ◆ Compatible Wheel Sizes: 20" to 29", up to 4" tire width
- ◆ Weight: 30 kg
- ◆ IP rating: none, indoor use only

Troubleshooting

The following table lists possible issues and solutions to them. If your problem is not listed or these procedures do not solve your problems, contact us for help.

Symptom	Description	Solution
Display does not turn on.	Power supply disconnected.	Check power connections.
Machine has low power, struggles to spin the wheel.	Too little downward force on the wheel causes tire to slip.	Check if the rollers really stop by putting a sticker or mark on them. Try applying more force to the wheel. If the issue persists, contact support.
Display shows error code E37.	Thermal protection triggered.	Wait for the machine to cool down, turn off and on.
Display shows error code E25.	Motor current too high during calibration.	Do not apply the brake or downward force before the BRAKE sign illuminates. If the issue persists, contact support.
Display shows error code E69.	Motor current too high – overload.	Apply less braking force – stay in the green zone of the display. If the issue persists, contact support.
Machine doesn't start protocol when a wheel is placed onto the centering mechanism.	Centering mechanism switch misaligned. Switch doesn't click when placing a wheel onto the centering mechanism.	Adjust centering mechanism switch.

Transport Wheel Installation:

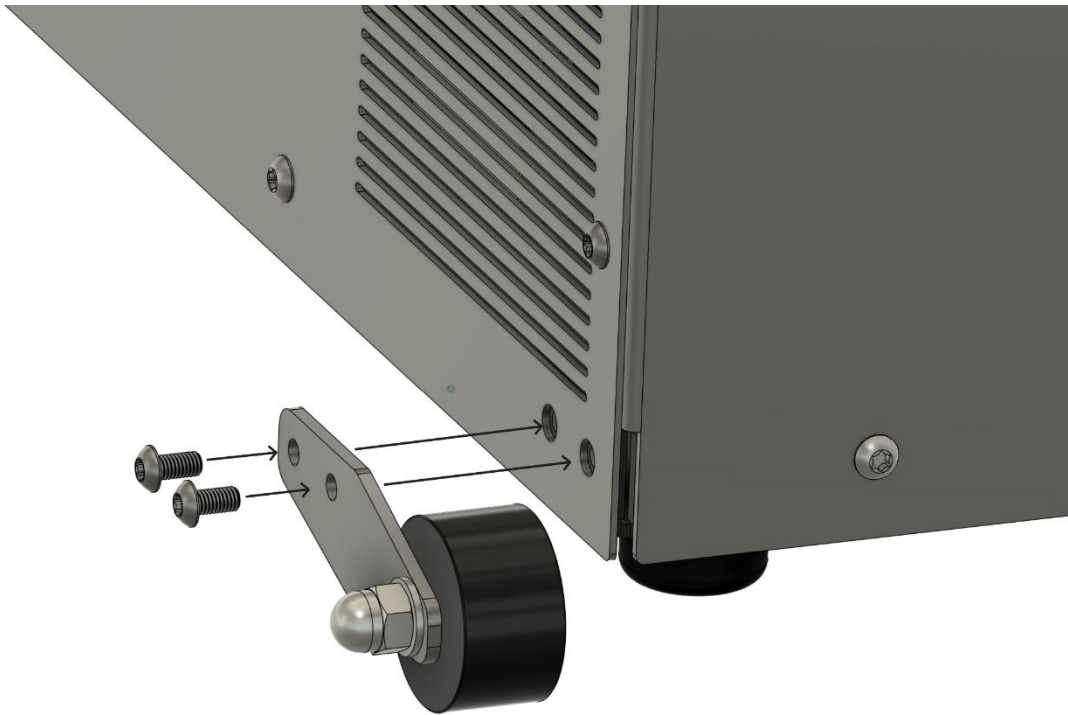


Figure 3: Install the Transport Wheels using a T25 key. Observe correct orientation - left and right wheels are different.



This concludes the Ollie-B User Manual. If you have any other questions, you can contact us at support@dbd-tools.com.