



B L U M I L

USER MANUAL

for

**BLUMIL City**

and

**BLUMIL Junior**





# Table of Contents

|  |           |
|--|-----------|
| <b>Introduction .....</b>                  | <b>4</b>  |
| <b>Safety warnings .....</b>               | <b>5</b>  |
| <b>Installation.....</b>                   | <b>9</b>  |
| Smartphone App .....                       | 9         |
| <b>Then select “Sensor Settings” .....</b> | <b>10</b> |
| Installation of the Blumil .....           | 11        |
| Installation of the steering column .....  | 12        |
| <b>Adjustments.....</b>                    | <b>13</b> |
| Adjustment 1: The Landing Feet .....       | 13        |
| Adjustment 2: Adjusting the height .....   | 14        |
| Adjustment 3: Gravitational centering..... | 15        |
| <b>Riding the BLUMIL.....</b>              | <b>17</b> |
| Switching on/off .....                     | 19        |
| Controlling the Blumil.....                | 20        |
| Mounting and dismounting the Blumil .....  | 21        |
| <b>Blumil Warranty .....</b>               | <b>22</b> |
| <b>Disclaimers .....</b>                   | <b>23</b> |
| <b>Returns.....</b>                        | <b>23</b> |

## Introduction

Congratulations! Welcome to the BLUMIL family!

BLUMIL is a unique seating solution for your **Personal Transporter (PT)**. BLUMIL makes it possible for millions of people around the world to enjoy their PT while seated.

In a world where PT's are designed only for standing, BLUMIL saw the opportunity to enjoy their speed and versatility from a seated position. Thanks to BLUMIL's award-winning design, you can effortlessly move, steer, and stop your PT while seated. BLUMIL's super simple installation process takes less than 30 minutes and all the tools are included!

Grab your helmet and let's go for a ride, you are about to experience TRUE FREEDOM with your BLUMIL!

## Safety warnings

It is your responsibility to ensure that you read and meet all of the rider requirements listed below and are aware of all risks of riding as listed in the BLUMIL and Personal Transporter manuals before attempting to ride with BLUMIL.

- You must be able to stay on your BLUMIL. If you slip off the seat you will fall and risk being injured.
- To control the Personal Transporter with BLUMIL you must be able to move your center of gravity by leaning forward and backward. A rapid stop will require leaning backward aggressively. Be sure you can perform all maneuvers effectively before riding.
- You must be able to deploy and retract the parking mechanism in one swift motion with only one hand.
- You must be able to operate the steering handle.
- You must be prepared to deal with a safety shutdown. A safety shutdown provides approximately 10 seconds to exit the seat of BLUMIL and/or deploy the parking mechanism before the Personal Transporter powers down and falls over.
- You must have reasonable mental aptitude and be free from impairment in order to apply judgment while operating your Personal Transporter with BLUMIL.
- In spite of the precautions taken by Personal Transporter and the makers of the BLUMIL, there is still the potential of a fall. If you cannot survive a fall, you should not ride the BLUMIL.
- Do not ride curbs higher than 2 cm

## **Risks**

It is your responsibility to ensure that you read and understand all of the risks of riding before you attempt to ride the Personal Transporter with BLUMIL.

- Riding the Personal Transporter risks serious injury or death from falls, loss of traction, loss of balance, collisions and other accidents.
- To reduce the risk of injury, read the Personal Transporter manual and the BLUMIL manual to learn how to safely mount, dismount and ride.
- Follow all safety guidelines for riding the Personal Transporter with BLUMIL.
- Do not ride with BLUMIL unless it has been properly adjusted to your individual weight distribution and dimensions.
- When a Personal Transporter fails, it falls over. BLUMIL will only prevent this when the parking mechanism is deployed, as defined in this manual.
- Only mount or dismount BLUMIL while the parking mechanism is properly deployed.
- Deploy and retract the BLUMIL parking mechanism only when on smooth, solid, level surfaces.
- Do not attempt to retract the BLUMIL parking mechanism while the Personal Transporter is “Off”. The Personal Transporter will fall over.
- The parking mechanism must be properly deployed and retracted to avoid injury. This is done with one swift pull or push of the parking lever. Slowly retracting or deploying the parking mechanism may result in the Personal Transporter

being caught in “Standby” mode or “Riderless Balance Mode” without the full stability of the parking mechanism or without the Personal Transporter “Balance Mode” engaged which auto-balances with BLUMIL. Falls and injury may result.

- Do not attempt to ride when the battery indicator displays no bars.
- The Personal Transporter floats to a stop as the center of gravity is shifted opposite the direction of travel. Failure to begin stopping early enough can result in collision, accident, serious injury or death. Always give yourself enough room to safely stop.

**CAUTION:** *Due to the lower center of gravity with BLUMIL, the distance required for stopping may be greater, requiring more time to stop.*

- Be aware that the Personal Transporter programming causes the BLUMIL to re-align itself in a parallel direction to any slope (it will realign itself to face downhill). The rider must always have a hand on the steering lever to control this movement.
- Keep obstructions such as straps, clothing, jewelry, and bags away from the wheels and other moving parts.
- Be aware of the foot rest at all times as it may catch on walls, steep inclines, or other obstructions and cause Personal Transporter instability with BLUMIL.
- Do not deploy the parking mechanism while moving, this may result in fall and injury.
- Do not go onto surfaces steeper than 10°.
- Do not ride Blumil if the pressure in tyres is not enough or uneven.

- Do not attempt to use any stairs to move between different levels, as it may result in an accident.
- Avoid surfaces covered in ice, oil or other slippery substances.
- While using and servicing the Blumil, some body parts may get caught in/squeezed in the elements of Blumil. You need to be very careful. After regulating the Blumil, always make sure that the bolts are screwed securely.
- If the seat is exposed directly to sunlight, its temperature may significantly increase.
- Please keep away from children under the age of 5 (choking hazard).
- Protect from fire and flammables.
- Do not ride over puddles or avoid getting the wheelchair wet in any other way.
- To carry the Blumil, use the sides.



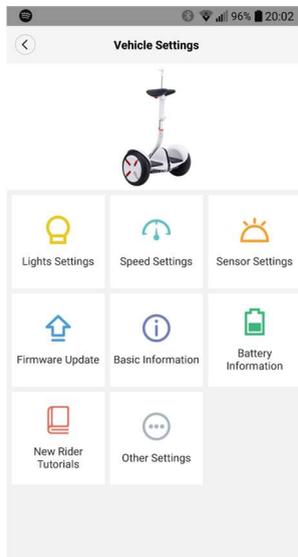
## Installation

As the Blumil fits the Ninebot/Segway mini pro, please refer to the appropriate section of the manual of the Personal Transporter.

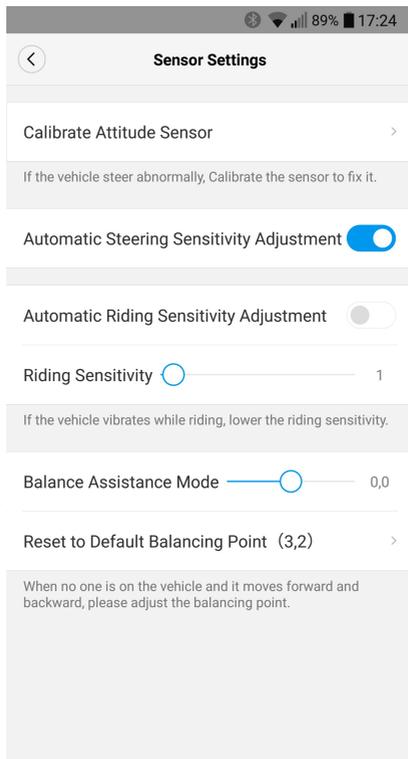
## Smartphone App

At the beginning, download the Ninebot smartphone app. This is necessary to properly set up the Ninebot/Segway mini pro for use with the Blumil.

After you have connected with your PT via Bluetooth go to **“Vehicle Settings”**



Then select **“Sensor Settings”**



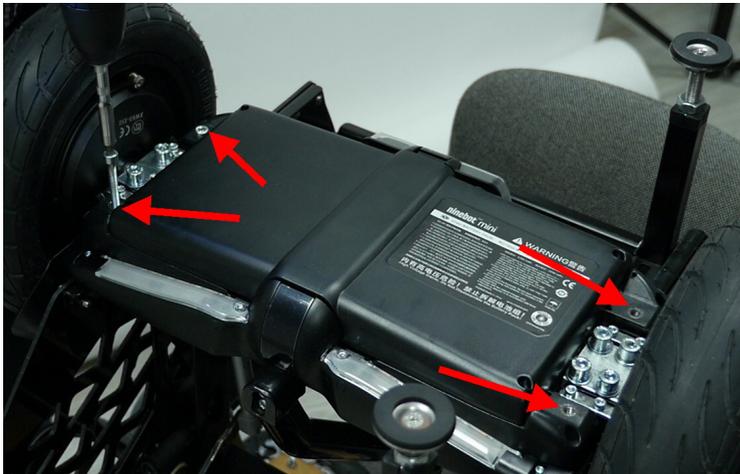
**Make sure the “Balance Assistance Mode” is set to 0,0.**

Failure to do so will result of malfunctioning of the Blumil.

**Switch off “Automatic Riding Sensitivity Adjustment” and then set “Riding Sensitivity” to 1.**

## Installation of the Blumil

1. Remove the foot mats from the Mini Pro
2. Place the Blumil frame upside down on a stable surface
3. Place the Mini Pro on the Blumil
4. Use the 4 attached, long screws to join the Blumil with the Mini Pro. Make sure that the Blumil presses tightly on the Mini Pro and that there are no gaps



## Installation of the steering column

1. Remove the Mini Pro steering stem, by unscrewing the 2 screws that are under the red cap



2. Attach the Blumil steering with the same 2 screws



## Adjustments

This adjustment process is simple and typically takes only 10 minutes. Now that the installation is complete there are just two adjustments that need to be made to ensure you are properly fitted to your BLUMIL.

### Adjustment 1: The Landing Feet

To perform this adjustment, you must first place your assembled BLUMIL on a smooth level surface. Then begin by dismounting your BLUMIL and deploy the parking mechanism by pulling the parking lever until you hear the “click”. This sound indicates that your BLUMIL parking mechanism is securely locked. Now, look to see if both rubber feet are touching the ground. If they both make contact with the ground at the same time, you are all set. If they do not, then you must lower the second one to make contact until they both make contact with the ground at the same time. **It is crucial that you are sure the front and rear feet touch the ground at the same time.** Finalize this adjustment by tightening the retaining nuts against the tubes that the feet thread into.

## Adjustment 2: Adjusting the height

There are 5 available levels to adjust the height of the seat. Each level is 2 cm higher than the previous one. This gives the possibility of an optimal height setting, suited to the height and needs of the individual user.

To raise or lower the seat, unscrew the 4 mounting screws, 2 on each side.



Then set the desired height by placing 4 screws in the holes at the same level. Finally, all screws must be tightened firmly.

### Adjustment 3: Gravitational centering

Adjust the seat plate to position yourself so you satisfy the gravitational centering necessary for the Personal Transporter to effectively respond when you lean forward and backward for safe, controlled travel and stopping.

To perform this adjustment, place one hand on a solid surface. In one swift motion, fully retract the parking mechanism by pushing the lever.

If you drift forward while sitting upright, you are positioned too far to the front. To correct this issue, deploy the parking mechanism and dismount. Now loosen the 4 bolts described in Adjustment 2 and slide the seat plate back a bit. Be sure to tighten the bolts before testing your new seating position.

If you drift backward while sitting upright, you are positioned too far to the rear. To correct this issue, deploy the parking mechanism and dismount. Now loosen the 4 bolts described in Adjustment 2 and slide the seat plate forward a bit. Be sure to tighten the bolts before testing your new seating position. Please be aware, that only securely tightened bolts allow safe using of Blumil.

When the seat is properly positioned your Personal Transporter will remain stationary.

**CAUTION:** *This adjustment is unique for each rider's weight distribution which may vary slightly from person to person. It is crucial that you test for this before letting someone use your Personal Transporter with BLUMIL.*

**CAUTION:** *Slow or partial retraction of the Parking Mechanism can leave the BLUMIL unbalanced and lead to falls and injury.*

**CAUTION:** *If you do not have the strength to swiftly lift or press the parking lever, you should not attempt to ride your Personal Transporter with BLUMIL.*

## **Adjustment 4: Setting the lever**

Depending on the needs, the lever, with which the parking mechanism is operated, can be located on the right or left side.

Use the screws to set the lever at an angle that will be tailored to the needs and abilities of the wheelchair user.

## Riding the BLUMIL

**Now that the BLUMIL and Personal Transporter base are one, and the assembled product is properly fitted to you, it is time to ride!**

Here are some basic steps you should take to familiarize yourself to the unique riding style of BLUMIL. BLUMIL is an incredible device, but it is not a toy. It must be treated with respect. Pay particular attention to the warnings and instructions given in the Personal Transporter and BLUMIL manuals.

Follow all Personal Transporter and BLUMIL safety guidelines when riding. Always wear a helmet – seriously!

For your first ride with BLUMIL, begin on a flat surface with good traction, and free from obstacles overhead or underneath.

**CAUTION:** *Be sure that you have followed the adjustments section of this manual prior to riding. Failure to do so could result in un-centered positioning, putting you at risk of serious injury.*

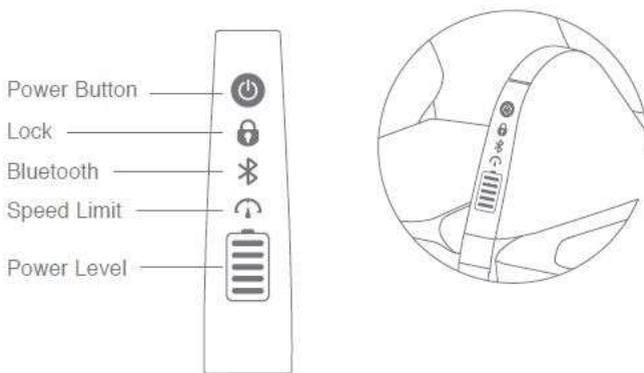
**CAUTION:** *Do not attempt to ride on challenging terrain until you are well experienced with BLUMIL.*

**CAUTION:** *You must have an even and smooth surface to deploy the parking mechanism. Ensure both legs touch the ground at the same time. If you need to engage the parking mechanism while going uphill you must do so while oriented perpendicularly to the hill (with one shoulder facing uphill and the other facing downhill).*

## Switching on/off

Prior to riding your Blumil, you need to switch it on.

The PT is switched on by pressing the On / Off button. Turning on is signaled by sound. The PT is switched off by pressing the same button.

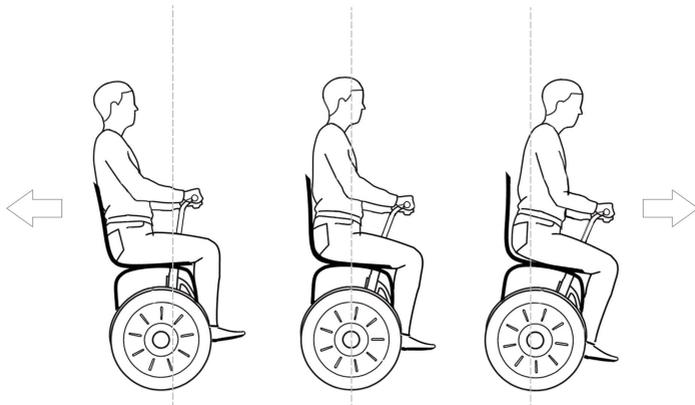


Before lowering the lever to raise the feet, always make sure that the Mini Pro is switched on and the LEDs are on. After 10 minutes of inactivity, as the legs are lowered, the trolley automatically switches off. Before starting, turn it on again.

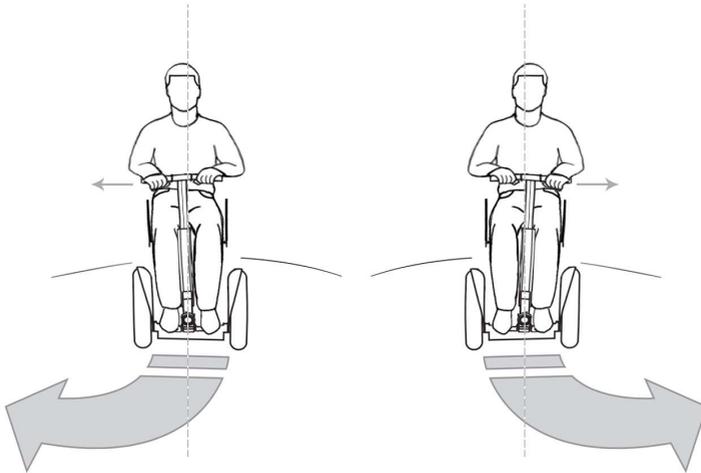
## Controlling the Blumil

Turn the power on and check if the control lights are on, signaling the batteries are on. Then release the parking mode by swiftly moving the handle. Slightly lean forward to start moving. To accelerate lean more. Be careful – until you master riding the BLUMIL, do not move with full speed. To reverse, slightly lean back. To stop, move your body to upright position. To turn move the steering column left or right. Always remember, that due to changed center of gravity, Blumil has long braking range. Stay alert, particularly when moving among other people or vehicles. Never turn the parking mode on while riding – that may result in fall and injury! If the battery is low, stop and turn on the parking mode.

Drawing 1. moving forward/backward and braking



Drawing 2. Turning left and right



### **Mounting and dismounting the Blumil**

To mount or dismount the Blumil, turn on the parking mode. Then remove the steering column, and put it aside. Put your hands firmly on the seat and move your body to the edge, then move your feet to the ground, while supporting yourself on your right hand (if getting off on the right side). Then lean forward and move your body (dynamically pushing with your hand if possible) to your next seat, until your back is resting. Mounting the Blumil is similar, you just push with your hand from the seat onto the Blumil.

## Blumil Warranty

### **BLUMIL Limited Warranty**

BLUMIL is covered by a 1 year manufacturer's warranty against any defects in materials and workmanship, beginning on the date of purchase, and only for the original purchaser under non-commercial use. Any replacement part or product that has been installed in accordance with the seller's instructions assumes the remaining original warranty or a maximum of 90 days from the date of repair or replacement, whichever is longer.

### **Procedure for Warranty Service**

Prior to returning any part or product for warranty service, you must first contact the certified reseller from whom you purchased your BLUMIL product. If no such reseller exists, you must contact BLUMIL via email at [info@blumil.com](mailto:info@blumil.com). If the part or product in question is found to be defective and warrantable you will be responsible for shipping the part or product back to BLUMIL or the certified reseller from whom you purchased your BLUMIL product. BLUMIL or the certified reseller shall be responsible for return shipping to you. If product is not warrantable, you may purchase a replacement part and must pay for shipping.

## **Warranty Exclusions**

The BLUMIL warranty does not cover and shall be void for defects or damages resulting from casualty, accident, collision, inclement weather, water damage, misuse or abuse, neglect, alterations, improper installation, operation, or maintenance. This is NOT a warranty of the Personal Transporter or any Personal Transporter components. Personal Transporter warranty issues must be addressed directly with Personal Transporter Manufacturer.

## **Disclaimers**

Segway® is a registered trademark of Segway Inc. Ninebot™ and the shape icon are trademarks of Ninebot (Tianjin) Technology Co., Ltd. Blumil is not affiliated with, has not been reviewed or endorsed by above mentioned companies. The Segway® and Ninebot™ limited warranty does not cover damages to the Segway® or Ninebot™ resulting from alterations or modifications to the vehicle, including but not limited to the installation of the BLUMIL seating system.

## **Returns**

If you are dissatisfied with the Blumil for any reason, you may return it for a full refund, less dollar \$150.00 restocking fee, if you return it to Blumil or its Reseller within 30 days from the date of original purchase. All returned Products must be returned in resalable condition in the original packaging. All

shipping, handling, duties, customs, import tax or any other government imposed tax, imposed as a result of any such return shall be at your sole expense. Allow 21 days from our receipt of the returned BLUMIL for your receipt of the refund.