

# IOTATRAX

## Guide and Manual

Before using the Iotatrax,  
**READ THROUGH THESE INSTRUCTIONS COMPLETELY!**



**Inventist,® Inc.**





## **WARNING**

Whenever you ride the lotatrax you risk serious injury or death from collisions, falls or loss of control. To ride safely, YOU MUST READ AND FOLLOW ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL.

This manual includes basic operational instructions for the lotatrax. It cannot cover all situations where injury or death may occur. OPERATORS MUST USE GOOD JUDGMENT AND COMMON SENSE TO DETECT AND AVOID HAZARDS AND DANGERS that they may encounter when riding the lotatrax. By using the lotatrax, you accept of the inherent risks of operating this product.



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## Introduction

Congratulations on your purchase of the lotatrax. The lotatrax is truly the smallest, greenest, most convenient "People Mover" ever invented. The breakthrough design, innovative technology and gyro-sensors provide an easy, uncomplicated, straightforward ride that is convenient for traveling around the city, a country trail, the beach, school campuses, or anywhere else personal transportation devices are allowed.

This manual will help you set up and use your lotatrax. It is important that you adhere to all safety warnings and cautions that appear throughout and that you use good judgment when riding.

Remember when you learned to ride a bike? You probably started in a safe location and had somebody help you learn. You started slowly. This technique applies to the lotatrax as well.

If you carefully follow all the instructions and warnings in this manual, you should be able to teach yourself to ride the lotatrax.

Riding the lotatrax is a lot of fun, and we hope you'll think so, too.



## **RISK OF INJURY**

Whenever you ride the lotatrax, you risk injury from loss of control, collisions and falls. It is your responsibility to learn how to safely ride the lotatrax in order to reduce the risks of riding.

This manual is designed to help you learn safe riding techniques.

**NO ONE SHOULD USE THE IOTATRAX UNLESS THEY HAVE READ THROUGH THE MANUAL.**

Review all the material frequently to help remind you of proper riding techniques and safely procedures.



# IMPORTANT WARNINGS FOR SAFE USE

For your safety, READ THIS MANUAL IN ITS ENTIRETY, before you use the lotatrax.

**⚠️WARNING:** Always inspect the lotatrax prior to use. Properly inspecting and maintaining your product can reduce the risk of injury. Always check the battery charge before using the lotatrax. Do not ride the lotatrax when its battery is low, as indicated by a blinking red indicator light or shaking of the wheel during operation. The lotatrax may stop operating and cause you to fall. Make sure the tires are properly inflated (75-100 psi).

**⚠️WARNING: ALWAYS WEAR A HELMET WHEN RIDING.** Use an approved bicycle or skateboard helmet that fits properly with the chin strap in place and protects the back of your head. Local LAWS may require riders of wheeled products to wear a helmet and other protective gear. Never ride the lotatrax barefoot or in open-toed shoes or high-heels.

**⚠️WARNING:** Check local laws and regulations to see where and how you may use your lotatrax legally. Follow all applicable laws for vehicles and pedestrians.

**⚠️WARNING:** Avoid obstacles and slippery surfaces, which could result in a loss of balance or traction and cause a fall. See the section on Terrain for more guidelines.

**⚠️WARNING:** Do not exceed the maximum weight of 180 pounds (81 kilograms)—including backpacks and other items that might be carried. Exceeding the weight limit could injure the rider and damage the lotatrax.

**⚠️WARNING:** The lotatrax should not be ridden by young children. Use your judgment about whether a child has the necessary coordination, strength and maturity to use the lotatrax. Only children 13 years old or older should be permitted to ride the lotatrax.

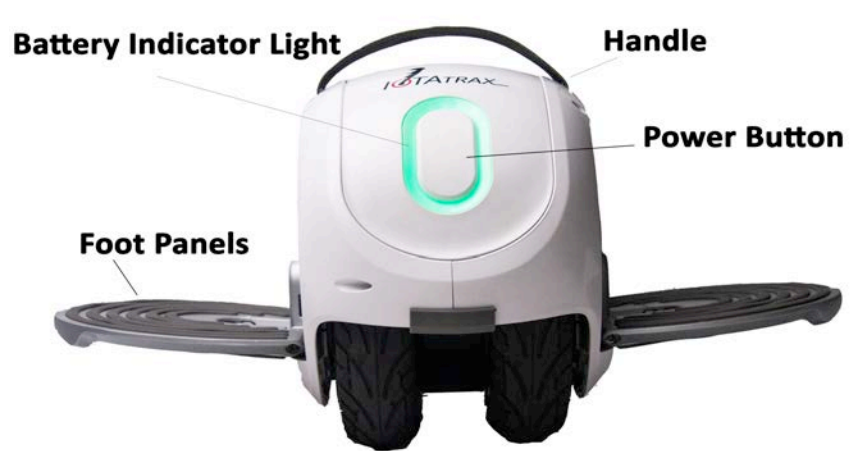
**⚠️WARNING:** Do not lift the lotatrax off the ground when the unit is turned on. This will cause the wheels to spin freely which could result in injury to yourself or damage to things around you.

**⚠️WARNING:** Do not modify the lotatrax. Modifications could interfere with operating the lotatrax and could result in serious injury and/or damage. Modifications void the lotatrax Limited Warranty.

**⚠️WARNING:** Since the lotatrax balances by accelerating in response to your leaning forward, if you lean too far forward too quickly, the motor will not be able to catch up with you and you may fall. The lotatrax will tilt backward at the maximum speed. DO NOT attempt to accelerate further or you will fall.

**⚠️WARNING:** Never drink and drive. This goes for the lotatrax as well.

# lotatrax Components



# Getting Started

After unpacking your lotatrax for the first time, follow all the steps below before you start riding.

## Charging the Battery

Your lotatrax comes with a built-in lithium-ion battery pack. Before you use the lotatrax for the first time, you must fully charge the battery. Be sure to charge the battery in a clean, dry location.

1. Plug one end of the power cord into the lotatrax. Plug the other end into a grounded AC outlet. The red charging light on the charger unit will turn on.
2. The charger may take up to 2 hours to complete its charge. The red light on the charger will turn green once it is finished.

**IMPORTANT: If you are not regularly using your lotatrax, you should fully recharge the battery at least every sixty (60) days. If the battery power drops to low, you may not be able to recharge it. A battery subject to draining due to it being improperly charged is not covered under the warranty.**

## Power Level Indicators

Once the battery is fully charged, the indicator light on top of the lotatrax will be green when you turn the unit on. This is what the lights on the lotatrax mean:

- Green light: indicates that the lotatrax battery level is above 30% and ready to be used.
- Yellow light: indicates that the battery level is between 10% and 30%.
- Red light: indicates that the battery is below 10% and should be charged.
- **Red light and beeping: the lotatrax will notify you when the battery charge is dangerously low by beeping when you are riding it. If the beep warning occurs, slow down and safely step off. Do not attempt to ride again until the battery is recharged. If you continue to ride the lotatrax on a low battery, you can fall.**

# Riding Guidelines

After unpacking your lotatrax for the first time, follow all the guidelines found in the next few pages before you start riding.

## **Riding Form**

- Learn to ride the lotatrax in a large, safe area free from all forms of traffic.
- Keep your posture upright, but relaxed with your body aligned over the lotatrax and your feet centered on the platforms.
- Be alert. Scan both far ahead and in front of you—your eyes are your best tool for safely avoiding obstacles and slippery surfaces.
- Hold your arms comfortably at your side.
- Start at a slow and comfortable pace. **Never aggressively accelerate or lunge forward.**

## **Preparation**

1. Always wear an appropriate safety helmet and other protective gear.
2. Wear comfortable clothes and shoes. Never ride the lotatrax barefoot or in open-toed shoes or high-heels.
3. Make sure the tires are properly inflated: 100 psi when you are learning. 75 psi when you know how to ride and want to make smaller radius turns.
4. Make sure the battery is charged.

## **7 Steps to Riding Your lotatrax**

Once you have charged the battery, follow these eight easy steps:

1. Grab the handle of the lotatrax and set it on the ground vertically and turn the power on. The green light on the front of the unit will light up. The lotatrax can face either direction but we recommend riding with the green light leading the way.
2. Unfold the foot platforms by gently pushing the spring-loaded push buttons located at the sides of the unit and then moving the platforms into the down position.
3. Put one foot on one platform and stand up straight. Put your weight on your foot and allow the unit to lean to the side until the foot platform touches the ground. Keep your weight evenly distributed between the front and back of the platform so

that the unit sits still. Once you have the first foot placed evenly and the unit is not moving, step on the other foot platform with your other foot. Gradually put weight on that foot to tilt the unit back to an upright position. You may want to hold onto a chair or a friend when you are first learning to get on.

4. When you're ready to move forward, shift your weight forward gradually. Keep your hips under you; do not bend over at the waist. Do not aggressively accelerate or lunge forward.
5. Shift your body weight backward to slow down, stop, or go backwards.
6. To turn, lean the lotatrax in the direction you want to go. As you push one foot closer to the ground, the opposing foot panel rises. The gearless differential system will keep the pressure of the tires in equilibrium, allowing both wheels to stay in contact with the ground.
7. When you are ready to get off, just come to a stop, let the unit lean all the way to one side, and step off. Keep the lotatrax steady as you turn the unit off.

**REMEMBER:** Do not lift the lotatrax off the ground when it is turned on.

## Learning Tips

- Remember to keep your body relaxed through your back and legs. Stand naturally. Do not lock your knees.
- Make sure the tires are properly inflated: 100 psi when you are learning. 75 psi when you know how to ride and want to make smaller radius turns.
- Avoid riding *across* steep slopes.
- Lean uphill when riding *across* gentle slopes.
- Avoid *turning* on slopes or ramps.
- Stay centered on narrow sidewalks or elevated paths.
- Practice controlled stopping.

**IMPORTANT:** The top speed of the lotatrax is eight (8) miles per hour (13 kilometers per hour). When you approach the maximum speed, the lotatrax will try to prevent you from accelerating further. It will move forward beneath you in order to shift your weight backward. You may feel that you are being 'pushed' back or that you cannot make it go any faster. **Do not continue leaning or bending forward to try and increase your speed or you will fall.** Beyond the speed limit, the motor does not have enough power to catch you. Lean back and slow down.

Be sure to visit our website at [www.lotatrax.com](http://www.lotatrax.com) to see videos that include strategies and helpful tips designed to get you riding your lotatrax quickly and comfortably.

# Terrain and Avoiding Hazards, Slips and Trips

The lotatrax is highly maneuverable and allows you to easily navigate over pavement and around obstacles. However, to prevent the loss of traction, you must always be careful when riding and learn to identify and avoid slippery, wet surfaces, loose materials, steep slopes, potholes and obstacles.

Stop and step off the lotatrax over unsafe surfaces or terrain.

The lotatrax tires must be able to grip the ground for you to stay upright. Slips occur when the lotatrax loses traction, potentially causing loss of control and a fall. Abrupt maneuvers, and riding over slippery surfaces, loose objects and materials, or steep slopes can cause the lotatrax to lose traction.

- When you reach the upper speed limit, the lotatrax will 'push' you back. You may feel it's oscillating, that it is moving forward underneath you to make you lean back, or that it takes extra effort to accelerate. **Do not continue leaning or bending forward to try and increase your speed or you will fall.** Beyond the speed limit, the motor does not have enough power to catch you. Lean back and slow down.
- Avoid abrupt maneuvers, such as fast or sudden stopping or starting.
- Avoid riding on slippery surfaces such as snow, ice, wet floors, wet grass, or any other surface that might cause slipping.
- Avoid riding over loose objects or materials such as small branches, litter, gravel, sand or small stones.
- Avoid riding on slopes 10 degrees or greater.
- Avoid sharp turns as the foot platform may scrape the ground and throw you off balance.
- Avoid holes, grooves, curbs, steps and other obstacles.
- Avoid riding over any surface where the foot platforms may strike an object.
- Use caution when riding over any terrain change such as pavement to grass, over a threshold or speed bump. When in doubt, avoid the bumps.
- Avoid riding the lotatrax in heavy rain or other adverse weather conditions.
- Do not ride at night when visibility is poor and you cannot see your surroundings clearly.

# Riding Etiquette

It is important to use proper etiquette when riding your lotatrax.

- Be careful and considerate of others.
- Always ride under control at a speed that is safe for you and those around you.
- Always be prepared to stop.
- Respect pedestrians by always yielding the right of way.
- Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing. Pass on the left whenever possible. When approaching a pedestrian from the front, stay to the right and slow down.
- In heavy pedestrian traffic, slow down and proceed at a walking speed. Pass only if there is ample space to do so safely. Do not weave in and out of pedestrian traffic.
- If it is legal in your area to ride in the street, always stay in marked bike lanes.

# Maintenance and Care

- Store your lotatrax in a place away from moisture.
- If you will not be using the lotatrax for an extended length of time, you should fully recharge the battery at least once every sixty (60) days to keep it from draining completely. The battery cannot be removed. Should you need a new battery, please see our web site for a list of authorized service representatives or contact us at [customerservice@inventist.com](mailto:customerservice@inventist.com).
- **IMPORTANT: If you are not regularly using your lotatrax, you should fully recharge the battery at least every sixty (60) days to keep it from draining completely. If the battery power drops to low, you may not be able to recharge it. A battery subject to draining due to it being improperly charged is not covered under the warranty.** Should you need a new battery, please see our web site for a list of authorized service representatives or contact us at [customerservice@inventist.com](mailto:customerservice@inventist.com).
- To clean the lotatrax, use a damp cloth and a mild detergent.

# **Safety Guidelines for Continued Use:**

## **An important message to all users**

Periodically review this information and make sure that you understand all warnings, cautions, instructions and safety topics. Do not let others ride your lotatrax until they have read this manual.

Remember: you are required to inspect and maintain this product to insure your safety.

Any type of wheeled activity can be hazardous. Wheels can, and are intended to move and it is therefore possible to get into dangerous situations and/or lose control and/or fall off. If such things occur you can be seriously injured or die.

- Always wear proper protective equipment, such as an ANSI, SNELL, CPSC or ASTM approved helmet and elbow and knee pads and wrist guards. Long sleeve shirts, gloves, long pants, closed-toe shoes (lace-up with rubber soles is best), and elbow and knee pads are mandatory. Keep shoe laces out of the way of the wheel.
- The lotatrax should not be ridden by young children. Use your judgment about whether a child has the necessary coordination, strength and maturity to use the lotatrax. Only children 13 years old or older should be permitted to ride the lotatrax.
- Never ride in traffic. Watch your surroundings for pedestrians, bikes, roller skaters, skateboard and scooter riders. Use the lotatrax in areas free from fixed or moving hazards, such as poles, curbs, hydrants, walls, parked cars and traffic.

**FAILURE TO USE COMMON SENSE AND GOOD JUDGMENT AND HEED THESE WARNINGS CAN CAUSE SERIOUS INJURY. USE AT YOUR OWN RISK AND WITH APPROPRIATE AND SERIOUS ATTENTION TO SAFE OPERATION. USE CAUTION AT ALL TIMES.**

Understand that no safety gear can fully protect you. Only you can reduce the risks of using the lotatrax by using it safely and with control at all times.



## Limited Warranty

### Limited Warranty for U.S. Consumers

#### 1. Warranty

Inventist Inc. warrants to the original consumer purchaser of the lotatrax (“Purchaser”) that the product will be free from defects in materials and manufacture on the date of purchase and will remain serviceable for a period of ninety (90) days after the date of Purchaser’s purchase, subject to the exclusions in the following paragraph.

#### 2. Exclusions from Warranty Coverage

This Limited Warranty does not cover damage to the lotatrax or any component part caused by any of the following: all external causes such as (but not limited to) dropping, accident, collision, abuse, vandalism, negligence, improper handling, maintenance, or storage, neglect; misuse such as riding over obstacles, overloading, racing, or otherwise using the lotatrax contrary to the instructions and warnings contained in the user manual and DVD provided by Inventist; normal wear and tear, deterioration of paint, trim and appearance items that results from use and/or exposure to the elements; cleaning with a high-pressure water system, abrasives or solvents; damage and/or defects caused by unauthorized and/or improper attempts to repair, alter, disassemble or otherwise modify the lotatrax or any of its components; damage caused by improper electrical connection, improper tire inflation, exposure to chemicals, water or excessive temperatures; and/or any damage and/or failure resulting from earthquake, fire, flood or other casualty or acts of God.

#### 3. Exclusion and Limitation of Other Warranties

The preceding warranty is the exclusive warranty applicable to the lotatrax and supersedes any prior, contrary or additional representations, whether oral or written. Any implied warran-

ties, including any warranty of merchantability or warranty of fitness for a particular purpose are limited in duration to the one year period of the preceding warranty.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

#### 4. Exclusive Remedy

If the lotatrax fails to conform to the preceding warranties, the Purchaser must notify Inventist within a reasonable time and in no event more than thirty (30) days after the discovery of the nonconformity by telephone to 360-833-2357 (country code 1) or by e-mail to [customerservice@inventist.com](mailto:customerservice@inventist.com). Inventist will provide a Return Authorization number and form. Purchaser must deliver the Product, together with proof of date of purchase to Inventist at the following address: Inventist Returns, 4901 NW Camas Meadows Dr., Camas, WA 98607 USA. Purchaser shall be responsible for and must prepay any shipping expense for return of the Product. Inventist will examine the Product and, in the event of a breach of warranty, will provide, at its sole option and within a reasonable period of time: (1) repair of any nonconforming lotatrax or components or (2) replacement of any nonconforming lotatrax or components with conforming product or components. Repaired or replacement products will conform to the warranty for the unexpired duration of the warranty period for the original, nonconforming Product. Inventist may use used or repaired material for all warranty claims. THE REMEDY SELECTED BY INVENTIST IN ACCORDANCE WITH THIS PARAGRAPH SHALL BE THE EXCLUSIVE AND SOLE REMEDY FOR ANY BREACH OF WARRANTY.

## 5. Exclusion of Consequential, Incidental, and Other Damages

Inventist and its distributors and dealers SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES for breach of any warranty or for damages arising from nondelivery or from the use, misuse, or inability to use the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

## 6. Choice of Law; Disputes; Severability

The laws of the State of Washington (excluding application of its

choice-of-law rules) shall govern all matters arising out of or relating to this Limited Warranty, including without limitation, its validity, interpretation, construction, performance and enforcement. No action arising out of any claimed breach of warranty or breach of any remedial promise arising out of or relating to this Limited Warranty may be brought more than one (1) year after the cause of action has accrued. If any part of this warranty is found to be void or unenforceable, then the remainder shall have full force and effect, and the invalid provision shall be partially enforced to the maximum extent permitted by law.

### Warranty for Consumers Outside the U.S.

For consumers who buy their lotatrax outside the U.S., the terms of the preceding warranty apply. In addition, Inventist grants to such consumers any additional warranty rights prescribed by the domestic statutory law regarding consumer warranties in effect where the consumer buys the lotatrax, and

Inventist does not curtail or limit those rights that cannot be excluded or limited under that law. The U.N. Convention on Contracts for the International Sale of Goods will not apply to the sale of the lotatrax.

### Warranty for Commercial Buyers Worldwide

For buyers of the lotatrax who use the product in their trade, business, or profession or for commercial activity, Sections 1, 2, 4, 5, and 6 of the preceding "Limited Warranty for U.S. Consumers" apply, but Section 3 of the Limited Warranty does not apply. Instead, the following provision applies:

#### Exclusion and Limitation of Other Warranties

The express warranty contained in Sections 1 and 2 of the preceding "Limited Warranty for U.S. Consumers" is the exclusive warranty applicable to the lotatrax and supersedes any prior, contrary or additional representations, whether oral or written. INVENTIST DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES,

WHETHER EXPRESS, IMPLIED, OR STATUTORY, INCLUDING ANY **WARRANTY OF MERCHANTABILITY, ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF PERFORMANCE, COURSE OF DEALING, OR USAGE OF TRADE.**

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Designed in the USA/Assembled in China  
Patent Pending