

# ELECTRONIC SMART SCOOTER USER MANUAL



## 1. Safety

### 1.1 About

Our company hopes that all drivers safely enjoy our electronic unicycle for as long as they wish! You can compare it to learning a bike- it might not be so easy at first, but it is extremely gratifying and once you learn, you'll know for life!

Before each ride, please check tire for damage or loose parts; if you notice anything was off, please contact the agent for repair.

Please read the instructions for all relevant safety information, including the speed limit, indicator light warning, and more.

Please do not use our drifting unicycle in a dangerous manner without exercising safety.

Please do not arbitrarily modify our unicycle parts; not only will this affect the unicycle, it may even damage the performance of the unicycle or cause serious harm.

### 1.2 Weight Limit

There are two reasons for weight limit:

1. Ensure the safety of drivers.
2. Reduce the overload of the electronic unicycle damage.

Drivers biggest weight limit: 275 lbs.

The driver of the minimum weight limit: 45 lbs.

### 1.3 Distance

The electronic unicycle's biggest range (distance traveled) is related to many factors, such as:

Terrain: driving on smooth, flat ground increases distance (rough terrain will decrease).

Weight: the weight of the drivers affects the distance.

Maintenance: reasonable charging and maintenance of the battery can increase the range.

Speed and driving style: maintaining a consistent speed will allow you to travel for a greater distance. Stopping and accelerating too much will cause your unicycle to lose battery power quicker.

### 1.4 Speed Limit

The maximum speed of the electronic unicycle is 6 mph

When driving over maximum allowable speed, you will be alarmed by the unicycle's buzzer.

The electronic unicycle should be kept under the specified speed to keep the balance of the driver; when the speed is over than the specified speed, the unicycle will be harder to drive and balance.

## 2. Driving

You must fully understand the instruction manual before driving; it is very important for you to understand these security issues.

### 2.1 Starting

Step 1: Start the electronic unicycle by pressing the power switch.

Step 2: Step carefully on to the unicycle with one foot at a time. The automatic balancing system will trigger when there is one foot on the unicycle; slowly get the other foot on the unicycle to begin driving.

Step 3: Manipulation of the unicycle after successful standing and balancing, the electronic unicycle will remain in a stationary state. If you lean slightly forward, the unicycle will move forward. If you lean slightly backwards, the unicycle will move backwards. Please make sure that you only increase the angle of your lean very slightly. If you lean to quickly, the unicycle will move quickly and it will be easy to lose your balance.

**NOTE: If the unicycle is not balanced while getting on, the unicycle will beep and an indicator light will flash.**

Step 4: Manipulation of the drifting unicycle left and right- if you lean your left foot forward, the unicycle will turn right. If you lean your right foot forward, the unicycle will turn left.

Step 5: To get off the unicycle, make sure that it is stopped and you are balanced. You must be standing completely straight in order to get off. Once the unicycle is in a balanced state, please take one foot off slowly and then the other.

### **WARNING!**

Prohibited in the case of high-speed sharp steering, in case of appear dangerous situation.

Please don't drive the transverse slopes or turned, it will lead to the electronic unicycle balance

Angle offset, affect driving safety.

## **2.2 Auto-functions**

If there are ever any system errors or irregularities, the unicycle will notify you in different ways. The unicycle will usually buzz/beep to tell the driver something is wrong.

If you lean more than 10 degrees.

The battery voltage is too low.

The unicycle is charging.

The platform is warped.

You are driving too fast.

Lack of battery.

System enter into protection mode, alarm and buzzer will sound/flash.

Tire becomes locked.

The battery voltage is too low; the unicycle will stop.

Too much power will be drawn from certain terrain (such as long distance up a slope) will cause the unicycle to power off.

### **WARNING!**

When the electronic unicycle into the outage status, the system will automatically lock machine, machine can press lock unlock. When the battery has been depleted or system to produce the safe parking information, please do not continue to drift driving a unicycle, otherwise, the unicycle would make unicycles cannot balance due to lack of electricity, in this case the driver will get hurt. If the battery reaches a minimum, continue to drift driving unicycle, will affect the life of batteries.

## **2.3 Practice**

When you drive the unicycle outdoors, for your safety, please ensure that you can drive the unicycle skillfully:

Please wear comfortable casual sportswear and wear flat shoes, let the body maintain flexibility.

Please practice driving the unicycle in an open, safe area until you are comfortable going, stopping, turning, and getting on/off the unicycle.

After you are comfortable with flat surfaces, make sure you practice driving on different terrains. The unicycle will speed up and slow down while transitioning between terrain, which is an easy place to lose balance.

If you are not ready or comfortable driving the unicycle, please avoid dangerous areas such as: areas with a lot of pedestrians or obstacles; make sure there is room to pass/avoid these obstructions so that you can drive the unicycle safely and without danger.

### 3. Safety Instructions

This section highlights a few safety procedures and warnings to let you have certain knowledge of security considerations. In order to ensure that you can safely drive the unicycle, please be sure to read the operation instruction handbook and comply with the relevant safety instructions. Please pay attention to the operation instruction handbook mentioned in all the safety warning and use the matters needing attention, understanding of these security issues can improve your driving safety and pleasure.

#### **WARNING!**

- Under no circumstances use the electronic unicycle if you are likely to lose control; this could cause collision or falling which will cause harm to you or others. In order to avoid damage, you must carefully read and refer to the instruction manual. Please ensure that the product is in good condition, and carefully read and be familiar with the company to provide all of the products material before using this product.
- When you are learning how to drive the unicycle, please make sure that you wear a helmet, elbow pads, gear, etc. You should also wear this gear at all times while driving the unicycle.
- The electronic unicycle applies only to personal entertainment, it is prohibited to use in public transportation.
- It is strictly prohibited in the motor vehicle to use the company's products.
- Children shall not be less than 45 lbs. weight and should be accompanied by adults
- History of heart disease, high blood pressure, pregnant women, people that aren't comfortable driving the unicycle, or people with disabilities/injuries are prohibited from using the unicycle.
- Do not drink or use drugs if you plan on driving your unicycle. Use of the unicycle while under the influence is prohibited.
- Driving the unicycle, please pay attention to comply with local traffic laws.
- Please keep an eye out for things that are far away; make sure you can see clearly when you are driving.
- Make sure your legs are slightly relaxed with a slight bend of the knee in order to drive the unicycle; this will make it easier to balance.
- While driving, ensure that the soles of your feet are always step on the mat.
- Drifting unicycle can only use by one person and no more than that
- Users of the unicycle should always be within the weight range (make sure to include anything you are carrying)- this may make the unicycle hard to drive/stop.
- If there is an accident on your unicycle or an accident is cause, make sure to call your local emergency services.
- When you are in company with other people using their unicycle, please keep a certain distance between each other in order to avoid a collision.
- Always remember, when you are driving unicycle, you are taller- please keep an eye out for doorframes or other high objects.
- Pay attention to your balance and center of gravity while driving, stopping, and turning- not having a good center of gravity will cause you to fall or lose control.
- Don't get distracted when driving drifting unicycle; such as: answering the phone, listening to music, or engaging in any other activities.
- Do not drive the unicycle in the rain or snow; bad weather driving is not recommended.
- Don't drive the unicycle in a dim, low-light or dark place.
- Avoid driving in an area that is narrow or has you have little place to move.
- Please avoid roads with scattered objects; such as: branches, garbage, stones, cobblestones, etc.

## 4. Battery Maintenance

This is information on how to charge and maintain the battery. Please follow these directions if you'd like to extend the battery life to its longest potential.

### 4.1 Low Battery

When the power indicator light is red light and flashing, you must stop driving and charge your unicycle. The unicycle will begin to skip/stop when it is running out of battery, so it is important that when it is low battery that you stop driving and begin to charge. Accidents/injuries could occur if you force the unicycle to drive while it is low battery.

Do not use the battery/unicycle, if:

1. It begins emitting a smell or gets too hot.
2. Any liquid/materials leak out.

DO NOT remove/replace the battery at any time; this can only be done by an experienced/designated technician.

Don't touch the battery if any liquid/materials leak out.

Do not let any children or animals near the wiring or unicycle while it charges. Parental supervision is necessary.

### 4.2 Charging

Make sure the unicycle is completely dry before charging. Open the charging cover of the unicycle.

Plug the socket of the charger to the power supply (110-220V; 50-60Hz), make sure the green indicator light of the charger is on, and then connect the charger with the unicycle.

When the indicator light on the charger turns red to green, that means the battery is full charged. Overcharging will do harm to the battery, so please make sure to unplug the unicycle from the charger when it is done.

Please pay special attention to use the correct plug; using the wrong one will damage the battery or the unicycle.

The suggested charge time for the unicycle is 2 hours; taking the unicycle off of the charger before it is fully charged will shorten the lifecycle of the battery.

Do not charge when the charge port is moist or damaged.

### 4.3 Battery

To keep the unicycle in the best efficiency, make sure the battery works in the suggested working temperature range (-15 to 40 degrees).

Make sure the unicycle is in the recommended temperature when charging, extreme Cold or heat, charging time will be longer and maybe cannot be full charged.

### 4.4 Specifications

Item	Parameter
Battery Charge Time	1.5 hours
Voltage	59.2V
Max Charge	42V
Standard capacity	2200mAh
Storage Temperature	0-40 C / 6 month
Storage humidity	5%-95%
Size (W x H)	17.7" x 15.5"
Weight	24.2 lbs.
Power Supply	110/220V
Motor	350 Watt
Weight Limit	275 lbs.