

# SELF BALANCING SCOOTER

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## USER'S MANUAL



Also See Supplied Warning Sheet With Unit

## 1.1 Description

Self Balancing Scooter is a high-tech electric transporter, which based on dynamic balance principles can be controlled forwards, backwards, and stopping. The advantages of the Self Balancing Scooter are: easy operation, flexible control, low carbon, green environmental protection and suitable for pavements. The Self Balancing Scooter is widely used in leisure, walking, scenic tours, security patrol and other fields. The instructions below will allow you to better use the Self Balancing Scooter. Remember, it's as if you are learning to ride a bicycle, drive a car, or use other means of transportation.

This manual is only for the Self Balancing Scooter. Please give special attention to the notes below as you will learn a lot of important safety information. Such as the speed limit, indicator light warning, and safety shutdown. Please do not use the Self Balancing Scooter to jeopardize anyone's property. Please do not modify scooter parts, it will not only affect the scooter it could damage the performance and produce serious harm.

## 1.2 Driving Risk

Self Balancing Scooter is for personal transport. The technology and production process has strict testing for every Self Balancing Scooter. Driving not according to the manual may cause danger. Falling, losing control, collisions, including failure to obey the Self Balancing Scooter manual, may cause injury even death. In order to minimize the risk, ensure you read Self Balancing Scooter manual carefully.

Weight Limit: 45-265 LBS.



Under or over the weight limit may put you in danger of falling.

Before driving, please check battery charge.

Failure to obey the Self Balancing Scooter Manual may cause injury.

## 1.3 Driving Distance

Landform: A smooth, flat surface will increase the driving distance.

Weight: The weight of the driver can affect driving distance.

Ambient Temperature: Please ride and store Self Balancing Scooter under recommended temperature, which will increase driving distance.

Maintenance: Reasonable battery charging and maintenance will increase the distance.

Speed and Driving Style: Maintaining a moderate speed will increase distance, additionally, frequent start/stop, acceleration and deceleration will reduce the distance.

## 1.4 Speed Limit

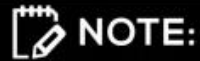
The maximum speed of the Self Balancing Scooter is 8mph. When driving over the maximum speed, a buzzer will sound. Self Balancing Scooter can keep the driver in balance within the specified speed limit. Self Balancing Scooter will take the initiative to tilt the driver to make the speed in a safe range.

## 2.1 Drive Self Balancing Scooter

Step 1: Start Self Balancing Scooter. Open the charge port and press the power button.

Step 2: Prepare driving. Put Self Balancing Scooter on a flat ground. Put one foot on the pad that will trigger pedal switch to run indicator light, after the system enters the self-balancing mode, put your other foot on the pad.

Step 3: Control Self Balancing Scooter. After standing up successfully, keeping the balance of the center of gravity can maintain the Self Balancing Scooter's stationary state. Use small forward or backward movements through the body; do not move to a large extent.



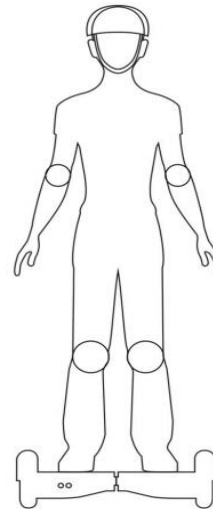
**NOTE:**

If driver stands on Self Balancing Scooter when it is not at a level state the buzzer will alarm and warning indicator will light up. At that time the system cannot enter self-balancing status and driver is forbidden to operate Self Balancing Scooter.

Step 4: Control Turning. Lean your body to turn in chosen left/right direction.

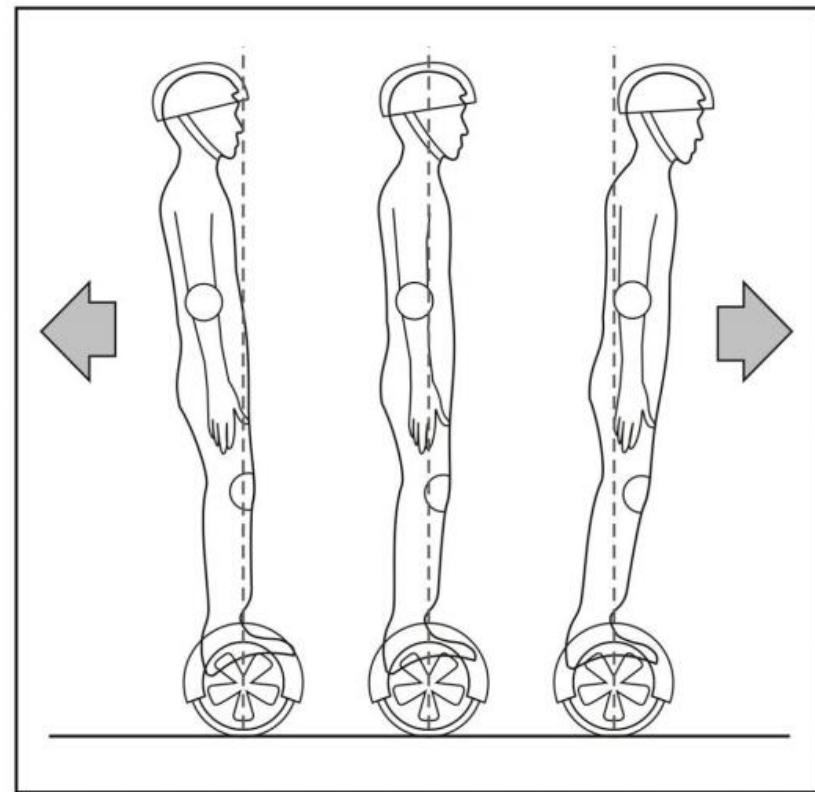
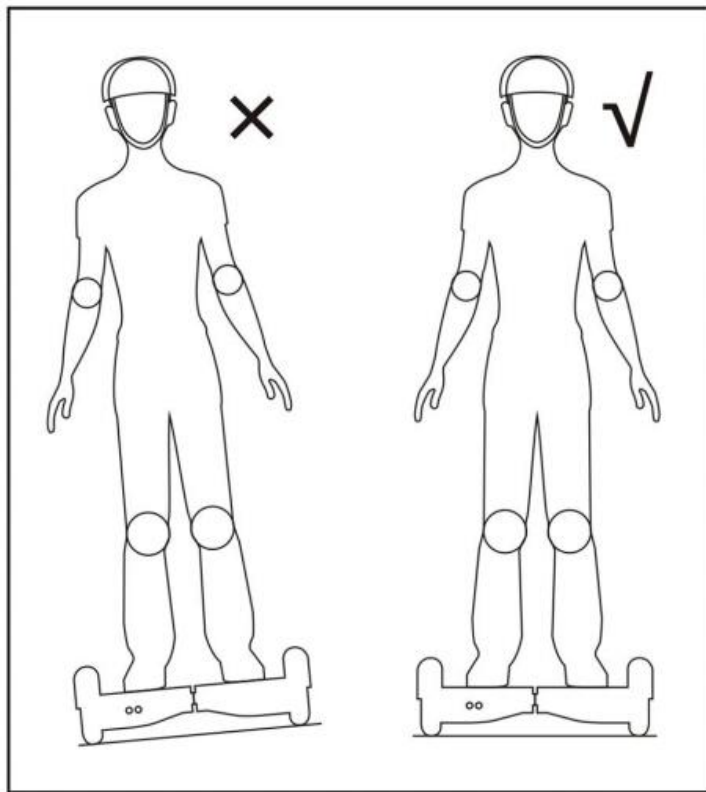
Step 5: Getting off. Keep the Self Balancing Scooter balanced, step one foot down BEHIND the unit, then the other foot secured quickly.

DO NOT turn sharply at high speed to avoid dangerous situations  
DO NOT drive and turn around quickly on slopes,  
it may cause dangerous issues.



The right foot forward turn left

The left foot forward turn right



## 2.2 Protection Function

During operation, if there is a system error Self Balancing Scooter will prompt driver in different ways.

Battery Voltage is too low and/or battery shortage.

Riding process, the following is forbidden in uphill.

Over-speed.

Car body rocking back and forth over 30 seconds.

System enters protection mode, alarm indicator will light up, buzzer will alarm.

Platform forward or backward more than 35 degrees, vehicle will turn the engine off.

Wheel blocked, Self Balancing Scooter will turn the engine off after 15 seconds.

Battery is insufficient below protection, Self Balancing Scooter will turn engine off after 15 seconds.

Sustained high discharge current performance Self Balancing Scooter will turn engine off after 15 seconds.



It can be dangerous to continue to drive the Self Balancing Scooter when the battery is exhausted. Continued driving under low power will affect battery life.

## 2.3 Practice Driving

Learn how to drive Self Balancing Scooter in an open area until you are able to get on and off, go forward and backward, turn and stop easily.

Dress in casual clothes and flat comfortable shoes.

Drive on a flat ground.

Self Balancing Scooter is designed to be a personal transporter driven on flat ground, if you drive on different terrain, please slow down and exercise caution.

If you are not skilled at driving Self Balancing Scooter, please avoid pedestrians.

When you go through a door, please make sure the scooter can pass through normally.

Exercise respectful use.

## 3.1 Safe Driving

This section provides some safety knowledge and cautionary statements, letting you learn about the safety precautions before using the Self Balancing Scooter. To ensure that you can safely drive Self Balancing Scooter, please be sure to read product the manuals and comply with the relevant safety instructions. Please note all the safety warnings and safety cautions that are mentioned in the product manual, will make driving the Self Balancing Scooter safer and more fun.



At any time using the Self Balancing Scooter, it may cause injury if you lose control, collide or fall down.

When you are driving Self Balancing Scooter, make sure to take all the safety measures, such as: wearing your helmet, knee pads, elbow pads, and other protective gear.

Self Balancing Scooter is only used for personal entertainment use.

It is prohibited to use on motorway/roads.

Do not drive Self Balancing Scooter if you have a history of heart disease, high blood pressure or are currently pregnant.

Do not carry items while you are driving.

Comply with local traffic laws, give way to pedestrians.

Please be alert to objects in front of you, keeping good vision will help you to drive Self Balancing Scooter safer.

Make sure your feet are always riding on the pads.

Please wear suitable sports apparel to drive Self Balancing Scooter, so that you are able to handle an emergency better.

Self Balancing Scooter can only be driven by one person, it cannot be driven by two or more people. Driver and their belongings should not exceed the maximum load. It can make it easier for the driver to fall or get injured during the course of driving.

Driver should not be less than 45lbs, the Self Balancing Scooter may not be able to operate correctly, especially on downhill, where the driver can't reduce speed or stop safely.

Ensure the speed within a safety range.

When you drive the Self Balancing Scooter along with other users, please keep a certain distance between each other to avoid a collision.

You should always keep in mind your height has increased, be careful when you pass through doors.

When turning, please keep your balance.

Do not allow distractions when driving Self Balancing Scooter, such as answering the phone, texting, listening to music, or engaging in any other activity.

The personal transport is not a form of medical equipment. Therefore, the user must use it without external force.

Do not drive in a dark area.

Do not drive on a road with obstacles, such as twigs, small stones, etc.

Avoid driving on a particularly smooth surface such as: rain, snow, ice, slippery floors.

Avoid driving in a narrow space and on a steep slope.

Avoid driving in an unsafe place around flammable gas, steam, liquid, dust, or fiber which could cause fire and/or explosion accidents.

#### **4.1 Usage of Battery**

This section describes the charging method of Self Balancing Scooter. How to maintain the battery, security issues, and battery specifications. For user safety and improved battery performance, please follow these operations while using the battery.

#### 4.2 Battery Power

You must stop driving if Self Balancing Scooter displays low power. It can affect lifetime of your battery and cause dangerous problems. Do not use the battery if there is an odor or overheating occurs.

Do not touch any leaking materials.

Children and animals are forbidden to touch battery.

The charger must be taken out before installing or driving. It may cause danger.

Battery contains dangerous substances, do not open the battery, and do not insert anything into the battery.

Please use the charger provided by Self Balancing Scooter.

Do not charge the battery that has over discharged. It should be disposed of for safety.

Self Balancing Scooter battery should be used to obey to local laws.

#### 4.2 Charging the Battery

Ensure the charging port is completely dry.

Open the charging port.

Plug the charging cable into the Self Balancing Scooter, make sure the green indicator lights up, then connect the cable with the power supply. (100v – 240v; 50-60Hz)

The red light indicates that it began charge. Otherwise, check to see if you have the cable connected correctly.

When the indicator light goes from red to green, it indicates that power is fully charged. At this time, please stop charging, over-charging will affect lifetime.

Use local standard plug/outlet.

Charge and store battery as suggested, otherwise it will damage the battery. The charging time is about 1-3 hours.

Keep the charger in a clean and dry environment.



#### 4.3. Temperature

The best charge temperature is 32°- 104° If extreme cold or heat, charging time will be lengthened and battery may not fully charge.

#### 4.3. Detailed Parameters of the Battery

Contents	Parameters
Battery Type	Lithium Battery
Charging Time	2-3 hours
Voltage	36V
Initial Capacity	2-4 Ah
Working Temperature	5°F -155°F
Charging Temperature	32°F-104°F
Storage Time	12 months
Storage Humidity	5%-95%



**WARNING!**

Lithium Battery is considered dangerous articles.  
Shipping lithium should be allowed only by local law.





# SELF BALANCING SCOOTER

*THIS IS NOT A TOY*

Always wear helmet and protective attire when riding.

Use caution when mounting Self Balancing Scooter.

**WARNING:** Riding a Self Balancing Scooter does present potential risks and caution is required. Like any riding product, a Self Balancing Scooter has inherent hazards associated with its use (for example, falling off or riding it into a hazardous situation). Like any riding product Self Balancing Scooter can and are intended to move and it is therefore, of course, possible to lose control or otherwise get into dangerous situations. Both children and adults responsible for supervising them must recognize that if such things occur, a rider can be seriously injured or die, even when using safety equipment and other precautions. RIDE AT YOUR OWN RISK AND USE COMMON SENSE.

**WARNING: PARENTAL AND ADULT RESPONSIBILITY AND SUPERVISION IS NECESSARY:** Because products, like Self Balancing Scooter, can and do present potential hazards plainly associated with their use, it is well recognized THE NEED FOR EXERCISE OF PARENTAL RESPONSIBILITY IN SELECTIONG RIDING PRODUCTS APPORPRIATE TO THE AGE OF A CHILD, OR PARENTAL SUPERVISION IN SITUATIONS IN WHICH CHILDREN OF VAIROUS AGES MAY HAVE ACCESS TO THE SAME RIDING PRODUCTS, IS IMPORTANT. Not every product is appropriate for every age or size of child, and different age recommendations are found within this category of product which are intended to reflect the nature of the hazards and the expected mental or physical ability, or both, of a child to cope with the hazards.

**The recommended rider age is 12 and older.** Any rider unable to stand comfortably on the Self Balancing Scooter should not attempt to ride it. A parent's decision to allow his or her child to ride this product should be based on the child's maturity, skill and ability to follow rules.

**Keep this product away from small children and remember that it is intended for use only by persons who are, at a minimum, completely comfortable and competent while operating the Self Balancing Scooter.**

**DO NOT EXCEED THE WEIGHT LIMIT OF 264lbs. (120kg) AND MINIMUM 45lbs (20kg).** Rider weight does not necessarily mean a person's size is appropriate to fit or maintain control of the Self Balancing Scooter.

## **ACCEPTABLE RIDING PRACTICES AND CONDITIONS**

**Always check and obey any local laws or regulations, which may affect the locations where the Self Balancing Scooter may be used. Keep safely away from cars and motor vehicle traffic at all times, and only use where allowed and with caution.**

Ride defensively. Watch out for potential obstacles that could catch your wheel or force you to swerve suddenly or lose control. Be careful to avoid pedestrians, skaters, skateboards, scooters, bikes, children or animals who may enter your path, and respect the rights and property of others.

The Self Balancing Scooter is intended for use on flat, dry surfaces such as pavement or level ground, without loose debris, such as sand, leaves, rocks or gravel. Wet, slick, bumpy, uneven rough surfaces may impair traction and contribute to possible accidents.

Do not ride your Self Balancing Scooter in mud, ice, puddles or water. Watch out for potential obstacles that could catch your wheel or force you to swerve suddenly or lose control. Avoid sharp bumps, drainage grates, and sudden surface changes.

Do not attempt to do stunts or tricks on your Self Balancing Scooter. The Self Balancing Scooter is not made to withstand abuse from misuse, such as jumping, curb grinding or any other type of stunts. Racing, stunt riding, or other maneuvers also enhance risk of lose control, or may cause uncontrolled rider actions or reactions.

Never allow more than one person at a time to ride the scooter.

Do not ride at night or when visibility is limited.

Never use near steps or swimming pools.

Do not allow hands, feet, hair, body parts, clothing, or similar articles to come in contact with moving parts or wheels while the motor is running.

Never use headphones or a cell phone when riding.

Never hitch a ride with a vehicle.

Do not ride your Self Balancing Scooter in wet or icy weather and never immerse the Self Balancing Scooter in water, as the electrical and drive components could be damaged by water or create other possibly unsafe conditions. Never risk damaging surfaces, such as carpet or flooring, by use of a Self Balancing Scooter indoors.

## **PROPER RIDING ATTIRE**

Always wear proper protective equipment, such as an approved safety helmet (with chin strap securely buckled), elbow pads and kneepads. A helmet may be legally required by local law or regulation in your area. A long-sleeved shirt, long pants, and gloves are

recommended. Always wear athletic shoes (lace-up shoes with rubber soles), never ride barefooted or in sandals, and keep shoe laces tied and out of the way of the wheels, motor and drive system.

#### **USING THE CHARGER**

The charger supplied with the Self Balancing Scooter should be regularly examined for damage to the cord, plug, enclosure and other parts. In the event of such damage, the Self Balancing Scooter must not be charged until the charger has been repaired or replaced.

Use only with the recommended charger.

Use caution when charging.

The charger is not a toy. Charger should be operated by an adult.

Do not operate charger near flammable materials.

Unplug charger and disconnect from Self Balancing Scooter when not in use.

Do not exceed charging time.

Always disconnect from the charger prior to wiping down and cleaning your Self Balancing Scooter with damp cloth.

**FAILURE TO USE COMMON SENSE AND HEED THE ABOVE WARNINGS INCREASES RISK OF SERIOUS INJURY. USE WITH APPROPRIATE CAUTION AND SERIOUS ATTENTION TO SAFE OPERATION.**

#### **SB 1918 (CALIFORNIA) DECLARATION**

YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS SELF BALANCING SCOOTER/ELECTRIC RIDE-ON PRODUCT. TO DETERMINE IF COVERAGE IS PROVIDED, YOU SHOULD CONTACT YOUR INSURANCE COMPANY OR AGENT.

**DO NOT RETURN TO STORE. CALL TOLLFREE (800) 339-0681 FOR SERVICE  
OUTSIDE OF THE UNITED STATES CALL (305) 414-2709**