

SELF-BALLANCING ELECTRIC SCOOTER

User's Manual



Operating your intelligent electric scooter safely.

1.1 Using the Scooter Safely.

a. Our company would like to ensure that all drivers can operate their intelligent electric self-balancing scooter safely, and enjoy the fun that it will bring. Always remember that learning to ride this scooter is like learning to ride a bicycle, driving a car, or other forms of transportation that you've used. Those previous experiences can be used to help you navigate this self-balancing scooter better.

b. We strongly recommend that you read this instruction handbook before driving your self-balancing scooter for the first time. Also, please check the tires for damage or any loose parts before driving the scooter. If any problems are found, please contact the nearest repair location or dealer.

c. Please read the entire user manual, to learn important safety information, such as:

- the safe speed limit to ride the scooter.
- the indicator light warning.
- the safety shutdown feature.

d. Please do not use your self-balancing scooter in a way which can cause damage to property or endanger someone safety.

e. Please do not modify the self-balancing scooter parts. Altering its parts can damage the scooter, reduce its performance, and cause serious bodily injury.

1.2 Weight Limits for Drivers.

The self-balancing scooter has weight limits for its riders:

Maximum weight limit allowed: 100kg (220lbs).

Minimum weight limit allowed: 20kg (40lbs).

The weight limits ensure your safety as a driver, while reducing the load put on the scooter to protect it from damage.

WARNING! If you weigh more than the limit listed above, you are in danger of being seriously injured and damaging your scooter!

1.3 The Scooter's Maximum Range.

The distance you can travel with the intelligent self-balancing scooter depends on many factors. These include:

a. The terrain: driving on smooth, flat ground will reduce the distance in which you can travel.

b. Weight: the weight of a driver affects the distance scooter can travel. Less weight allows traveling longer distances, while more weight will restrict the distance you can travel.

c. Environmental temperatures: if the scooter is driven within the recommended temperature range outdoors, the distance will be increased. Distance will be reduced when traveling in extreme heat or cold.

d. Maintenance: proper charging and maintenance of the battery will increase travel range. Failure to charge and maintain the battery will reduce traveling distance.

e. Speed and driving style: driving at moderate constant speeds will increase range, while frequent starting, stopping, acceleration and deceleration, will reduce the total distance.

1.4 The Scooter's Speed Limits.

The maximum speed for the intelligent self-balancing scooter is 10km/hour.

When driving beyond the allowed speed limit, an alarm inside of the scooter will be triggered.

The scooter can properly balance a driver when traveling at the recommended speed; however, when the speed is greater than the specified speed limit, the scooter will limit its maximum speed to ensure safety.

1.5 Driving Scooter.

You should fully read and understand this instruction manual before driving the intelligent self-balancing scooter. This manual will now discuss security-related matters that you should be aware of, so please pay attention and understand these details before using the scooter, as they are very important.

2.1 Steps to Use the Intelligent Self-Balancing Scooter.

Step 1: Press the power switch ON to start scooter up.

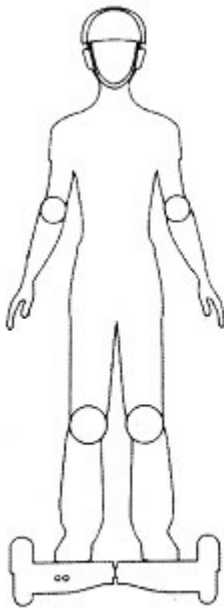
Step 2: Place one foot on a platform until you trigger the green operation indicator light. The scooter has an automatic balancing system that will maintain horizontal orientation of platform. Then place second foot on another platform, and stand strait.

Step 3: After you have successfully stood on the scooter platform and balanced it to your center of gravity, the intelligent self-balancing scooter will now remain stationary. Tilt your body forward to move scooter forward. Tilt body slightly backward to stop, or move scooter backward.

NOTE: If the foot switch trigger for the self-balancing scooter is not level, an alarm will sound and the alarm indicator light will illuminate. When this occurs, the system will not balance automatically and operation of scooter is prohibited.

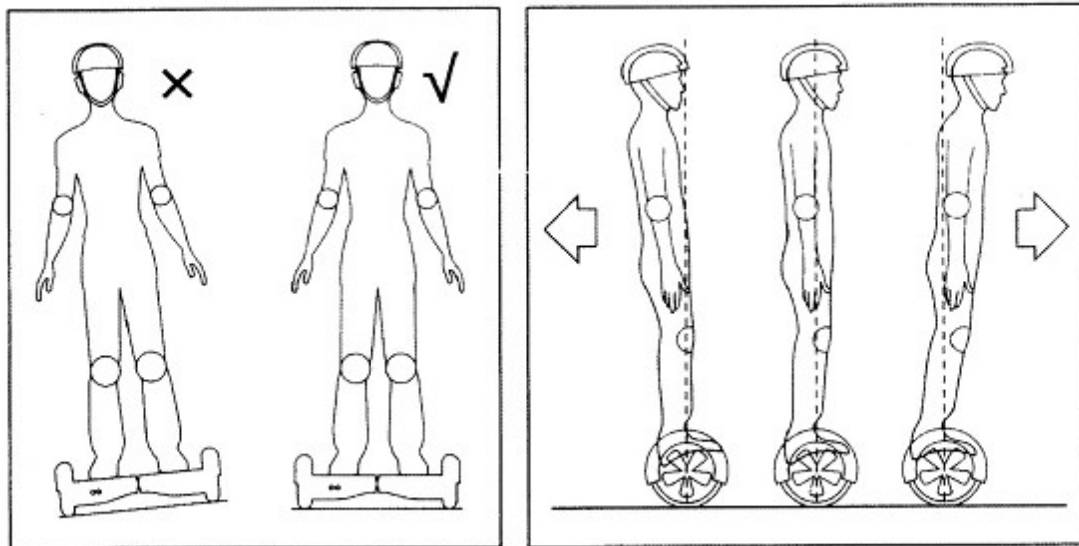
Step 4: Manipulate the scooter to turn left or right. Tilt right foot forward to turn scooter right while maintaining left foot leveled. Tilt left foot forward to turn scooter left while maintaining right foot leveled. Tilt right foot forward and tilt left foot backward to rotate clockwise on a spot. Tilt both feet opposite to each other to rotate scooter in desired direction.

Step 5: When you want to get off of the self-balancing scooter—before you come to a complete stop, place the right foot on the ground first, and place the left foot on the ground next, to keep the scooter balanced.



The right foot
forward to turn left

The left foot
forward to turn right



Intelligent drifting scooter driving

WARNING!

Steering the self-balancing scooter at high speeds is very dangerous and should not be attempted!

Please don't drive scooter on traverse or steep slopes, as it may lead to offsetting the self-balance of your scooter and will affect its overall driving safety.

2.2 Scooter Protection Features.

When the scooter is in operation, any problems within its system will prohibit the scooter from automatically balancing, and the scooter will prompt the driver in various ways.

a. The errors include:

- The scooter will fail to operate.
- The alarm light will remain on.
- The alarm buzzer will sound intermittently.

b. Causes for system errors can include:

- Feet are on the platform forward or back, more than 10°.
- If battery voltage is too low, the scooter halts operation after 15 seconds.
- The scooter is in the process of charging.
- The scooter's platform has become warped.
- The scooter is moving too fast.
- Lack of a battery in the scooter, or power in the battery.
- The scooter vibrating for longer than 30 seconds.
- The system is in Protection Mode.
- The platform is tilted forward or back beyond 35°.
- The tire's rotors are locked into the stop position (after 2 seconds).

WARNING!

When the smart self-balancing scooter goes into the outage status, the system will automatically lock the machine. When the battery has been depleted, please do not continue to drive the scooter. If the scooter is driven at that time, the scooter will not balance due to the lack of electricity, and the driver can be injured. Continuing to drive the scooter when the battery is low will shorten battery life.

2.3 Intelligent Self-Balancing Scooter Driving Practice.

Before driving the scooter outdoors, please ensure you are skilled enough to operate this self-balancing scooter.

Please wear comfortable, casual sportswear and flat shoes, allowing your body to maintain its flexibility.

Please practice driving the self-balancing scooter in an open field, until you can move the scooter forward, backward, left and right; and until you can stop the scooter and get off of the platform safely.

Please watch instructional videos widely available on the Internet showing how to start riding self-balancing electric scooters. Just search Google or YouTube for "how to ride self balancing scooter", and you will find many valuable instructional videos.

Make sure the ground is flat and level before driving.

You can practice driving in different types of terrain; however, you must slow down in unfamiliar terrain. At no time should you raise the scooter off of the ground when it powered ON. Turn scooter OFF before carrying it.

The intelligent self-balance scooter is designed to be used as supplemental transport, and should only be operated at slow speeds when traveling on uneven road surfaces.

If you are not skilled at driving the self-balance scooter, please allow nearby pedestrians to safely pass before continuing, and avoid dangerous obstacles at all times.

Driving Safety Instructions.

This section will highlight several safety tips and includes a warning statement. While operating the self-balance scooter, you will need to consider important safety issues. Proper understanding of the safety issues mentioned in this manual will improve your driving safety.

WARNING!

Under no circumstances are you to use the intelligent self-balancing scooter to collide and cause harm to anyone. To avoid damage, carefully read and refer to the instruction manual. Please ensure the product is in good condition, and carefully read and familiarize yourself with this product.

When using self-balancing scooter, please make sure to wear a helmet, knee pads, elbow pads, and other safety gear as needed.

The intelligent self-balancing scooter is for personal entertainment only! It is prohibited to use the scooter in public traffic.

Children operating the scooter should be no less than 20kg in weight and should be overseen at all times by an adult. People with history of heart disease, high blood pressure, pregnant women and people with disabilities, should not drive the intelligent self-balancing scooter.

No driving self-balancing scooter after drinking alcoholic beverages or using drugs.

Please make sure you can see clearly in the front of the scooter and the rear. Having good vision keeps you safer while driving the scooter.

It is easier to keep the scooter balanced on flat, smooth surfaces, by driving with the legs relaxed and slightly bent.

When driving, ensure the soles of your feet are directly on the scooter's platform mat.

NOTE: Wearing sports attire when driving the scooter allows you to handle emergency situations better.

No more than one person is permitted to ride the self-balancing scooter at the same time.

Drivers, riders and their belongings should have a combined weight of no more than the maximum weight indicated in this manual. If the maximum weight is higher than the allowed weight, then self-balancing scooter can be damaged. All drivers should weigh the minimum amount required in order to operate the scooter.

If the total weight will exceed the maximum allowed amount, the scooter will be difficult to control, especially when going downhill. In this case driver is unable to safely reduce the speed or stop at all.

The scooter must be kept at a reasonable speed to ensure the safety of yourself and others, and to allow the intelligent self-balancing scooter to come to a safe and complete stop.

If an accident occurs while driving the self-balancing scooter, please remain on the scene and wait for assistance and medical attention.

When driving the self-balancing scooter with other drivers, please maintain a safe distance between each other to avoid a collision.

Please remember that total height increases when driving on top of self-balancing scooter, so pay attention when passing under doorways and overhead objects.

When steering the scooter, use caution and do not turn too fast. This will prevent the center of gravity being offset which can result in you falling from the scooter.

Avoid distractions when driving the self-balancing scooter. Please do not use the phone, listen to music, or engage in any other distracting activities while operating the scooter.

Do not drive the scooter in the heavy rain or on wet roads. Avoid driving the scooter backwards and at high speeds.

The self-balancing scooter does not include a first aid kit or medical equipment.

Do not drive the scooter in dim light or in dark places.

Avoid surfaces that may cause bodily injury and damage to the scooter such as snow, water, and ice.

Please avoid objects scattered in the road such as trash, branches, stones, and other objects.

Avoid driving in tight, narrow spaces, and up or down steep slopes.

Please operate the self-balancing scooter only where it is legal to do so. When in doubt, please obtain permission before driving the self-balancing scooter.

Please do not come to any sudden stops when using the scooter.

Avoid operating the self-balancing scooter in dangerous environments that contain flammable gas, steam, liquids, dust, or fibers which may cause fire or explosion.

Proper Battery Charging and Maintenance.

This section lists the battery specifications and will explain how to charge the self-balancing scooter battery, how to extend the battery life, and how to increase performance.

4.1 Low Battery Power.

When the self-balancing scooter flashing indicator light is red and flashing, the power is too low. Driving should be stopped immediately. A low battery will not have enough energy to drive normally, and the system will prevent the driver from continuing operation. It is easy to damage the scooter at this time.

If any of the following occurs, do not use the battery:

- A smell is emitted from the battery.
- The temperature of the battery gets very high.
- The battery is leaking.

Battery removal should be limited to professionals only, and only authorized companies may replace parts on the self-balancing scooter. Do not touch the battery when it is leaking, and please do not allow children or animals to come into contact with the battery.

Be sure to remove the battery from the charger before operating the scooter.

Batteries contain dangerous chemicals; do not open the battery and do not tamper with the battery or insert anything into it.

Lithium batteries should be discarded properly.

The self-balancing scooter's battery should only be used in accordance with local laws.

4.2 Charging the Battery.

Ensure the charger is dry.

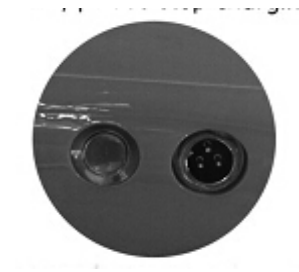
Open cover of the self-balancing scooter charge port.

Insert the charger connector into the wall outlet (100-240W or 50-60Hz) and confirm the indicator light is green.

When the indicator light is lit on the charger, connect the charger to the charging port on a side of the scooter.

When the green LED indicator on chargers is ON, charging is complete. Please stop charging the battery at this time. Overcharging can damage the battery. Please disconnect charger as soon as LED light on charger turn GREEN.

If the indicator light is not on, please check all connections.



Pay attention to the plug type. Make sure you use a standard local plug.

The self-balancing scooter has a total charge time of about 2-3 hours. Charging the battery longer will affect battery life.

Please keep the charging environment clean and dry.

If the charger is wet, do not charge the battery until it dries.

4.3 Battery Temperature.

To get the maximum efficiency from your self-balancing scooter, the battery temperature must be kept within the specified temperature range.

Before starting the charging process, the battery temperature must be within the recommended temperature range.

When the temperature is at or close to the recommended range, the charging efficiency will be at its highest. In extreme heat or cold, charging time will be lengthened, and the battery may not fully charge.

4.4 Detailed Battery Parameters.

Item	Parameter
Battery type	Lithium battery
Charging time	2 to 3 hours
Voltage	36V
Initial capacity	2-4AH
Working temperature	-15°C-50°C
Charging temperature	0-40°C
Storage time(-20°C and 25°C	12 months
Stored relative humidity	5%-95%

4.5 Important Details for Lithium Batteries Shipping.

WARNING!

Lithium batteries are considered very dangerous. Get approval by the responsible local parties or authorities before transporting a battery.

Note: If you need to load your lithium-ion battery-equipped scooter for air transport or other modes of transportation, please contact a designated dealer to obtain further information.