

Product: Smart Balance Scooter

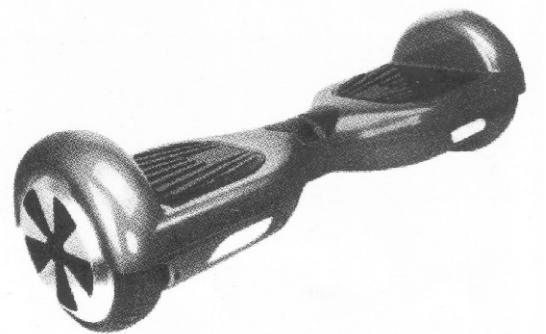
Model: K1

User Manual

Self-balancing scooter, is a new high-tech product with self-balance, It's a good helper for leisure and entertainment.

**Brief
Introduction**

Self-balancing scooter will bring you a new life experience, there will be a surprise waiting for you. Please carefully and completely read the user manual before using it.



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Box contains: Scooter, Charger, Manual.

Protect Function

During operation, if there is system error or illegal operation, the scooter will warn to stop riding in different ways. The indicator lights and beeps that the scooter won't be able to be in balance.

- When standing on the scooter, the tilting angle is over 10°.
- The battery voltage is too slow.
- Over-charge.
- The platform up-warps to prevent operation during riding.
- Over-speed.
- Battery power is not enough.
- The scooter sways back and forth over 30s.
- System in protection mode, the indicator long lighting and beeps during riding.
- The platform tilts over 35°, the scooter will switch off.
- The scooter will switch off in 2s if the tyre locked-rotor.
- The battery is low than protection value, the scooter will switch off in 15s.
- In long time of heavy load discharging (for example, climbing a long and steep slope in a long time), the scooter will switch off in 15s.

Maintenance

1. Storage

Don't put the device in wet condition. Charge the battery at least once a month to protect the battery activity if it's not used in a long time.

2. Changing tyres

Power off the scooter before changing tyres. Use a screwdriver to take off the bolts. Then open the shell, be careful for the connection lines in the shell.

Note: After the maintenance is completed, may occur when connecting the power terminals instant ignition, this is a normal phenomenon, don't be panic.

Indication Icon



Warning: it may hurt yourself or others.



Note: it may be the damage to your device or other equipment.



Tips: notes, usage tips, or additional information.

Self-balancing scooter

Self-balanced Vehicle is a new high-tech outdoor sport products, which uses aerospace attitude control theory, fuzzy algorithms and gyroscope system, to achieve self-balancing forward and backward directions. Use through the body slightly forward and backward, to achieve progress, acceleration, deceleration and braking balance and other traffic operations, left and right directions are similar as a bicycle, rely on the body twist implementation. The balance wheel is a green and environmental device, available to carry, is a good helper for recreation.

Save Space

With its unique design, it's available to take and carry and save your space.

Save Time

The max speed is 10 km, full power can be continuously running 10-20 miles, no longer worry for parking or traffic jams.

Try to charge full power for the device during charging.
The battery protection board will protect to balance the voltage.

Learn to drive a balanced wheel

Use balanced scooter needs attention to the relevant safety issues, so you have to fully understand all precautions of User Manual in the mentioned prior before driving.

Step 1 : Start the vehicle, press the power switch.

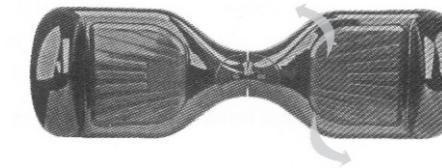
Step 2 : Prepare driving, stand on with one of feet, the sensor works and the indicator will turn green, and the system is in balance condition. Then stand on with the other foot to operate.

Step 3 : Find the balance with the wheel when stand on, try to move by tilting your body front and back.

Step 4 : Control the left and right direction of the wheel.

Step 5 :Get off. Kepp the wheel balanced before get off. One foot get down, and the other foot get off quickly.

Weight on back of left foot to turn right



Weight on front of right foot to turn left

If the wheel is not in balance when foot on the platform and switch on the sensor, it will beep and the indicator light will turn red. The system can not be balanced. And now it's not available to operate.

Max Drive Distance

The max range is relevant with many factors, such as:

Land types: driving on smooth, flat ground will increase the range, to the contrary, it will reduce travel distance.

Weight: driver's weight can affect travel distance.

Ambient temperature: Store at recommended temperature and driving balance of the car will increase the driving distance, to the contrary, extreme temperatures will reduce the travel distance.

Maintenance: reasonable battery charging and maintenance will increase the travel distance, the opposite will reduce travel distance.

Speed and driving style: keep a moderate speed will increase the distance, contrary frequent start, stop, accelerate, will reduce the travel distance.

Limit Speed

The maximum speed is 10km/h.

When the driver exceeds the maximum allowable speed, the balanced wheel alarm buzzer will warn.

Driver can ride the balanced wheel well in a proper speed. If the driving speed is over limit speed, the wheel will up-warp and control the safe speed.

Charge

Please insert the charger into the wheel first, and then into an AC power socket, otherwise the charger will not start, this may avoid potential risks, to keep safe charging.

The device is equipped with a high power charger, under normal circumstances, only about 135 minutes to complete the charge, 90 minutes will be able to charge about 80% of the electricity, when the red lights on the charger, means it is charging, green means full charge.

Safe Driving Guidance

This section highlights some safety knowledge and warning statements, allowing you to use the balance of the car in front of the safety precautions have some knowledge in order to ensure safe driving, you can balance the car, please be sure to read < User Manual > and comply with the relevant the safety instructions. Please note < user Manual > mentioned all safety warnings and cautions about these safety precautions to improve your car to drive to balance safety and pleasure. Whether you are likely to be due to the loss of control, collision and fall and cause injury using a balanced car and under what circumstances. To avoid injury, you must carefully read and refer to the user manual for instructions support balance of driving the car. Make sure that the product in good condition, and carefully read all product materials and well-known companies in the use of this product.

Notes:

1. When you are learning to drive a wheel, be sure to do security measures, such as wearing a helmet, knee pads, elbow pads and other protective gear.
2. Balanced car is only for personal entertainment, it's prohibited to use for public transportation.
3. Do not use this product in a traffic lane.
4. Do not allow children, the elderly, pregnant women driving.
5. Do not drive after drinking or using drugs.

When driving, make sure the foot is always on the child riding in the mat.

Please wear suitable for sports clothing using a balanced car which help you to better deal with emergency situations. Only one person driving the car balance cannot load more than two people.

Users and their belongs weight should not exceed the specification indicated in the large car load balance, otherwise it would be the driver in the course easier to fall or be injured, or even damage to the car's balance function, except other than this, the driver's weight should not be less than when the driver of the specification indicate the minimum weight, which will cause the driver may not handing balance, particularly in the downhill speed can not be safely reduced or stopped. Let the vehicle speed is to ensure the safety of themselves and others inside, the balance may be ready to stop the car to run at any time. When you drive the car balance a traffic accident, please stay in place waiting for delivery of related departments to handle events. When you drive the car with other drives to balance user, please keep a certain distance from each other to avoid collisions. You should always remember to balance the car while driving, your body situated at a height increase of 10 centimeters, when the head of security at the note through the door.

Pedal Sensor

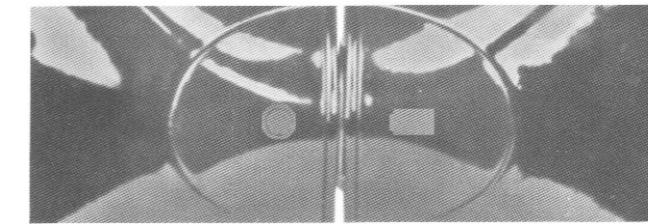
There are four sensors under the pads, when the user steps on the pads, the balanced wheel will automatically be adjusted into balance mode. Make sure feet are on the mats, don't stand on other parts of the platform. Do not put on other things on the pads, it will make the wheel not switched off, and may cause damage to humans and devices.

The display panel

The display panel is in middle part of the wheel, for displaying operating information.

A. Power display area: Green light means full charge; when green turns yellow, means 50% of electricity left; when yellow turns red, means 20% electricity left, and you need to charge soon.

B. Operating indicator: When the operator triggers the foot switch, the indicator will light up. If there is an error during operating, the indicator will turn red.



Usage and control of information

Power button

Power button: Press the button in 2S to switch on
(it will automatically turn off the power in 10 mins without operation)

Switch off

Press the switch button 2S, it will turn off
Do not ride with carrying other things.
Please comply with local traffic laws, be courteous to pedestrians during riding.
Please be careful during riding.
Relax your feet while driving, knees slightly bent, so will you maintain a balance on uneven ground.

Note the steering movements of the body center of gravity and balance, and prevent weight shift or falling too fast and the car.

Do not be distracted while driving, such as answering the phone, listen to music or engage in any other activities.

Does not allow rain slippery roads, long-distance running backwards, speed backwards, backwards at high speed cornering, speeding.

This is not a means of transport in order to design, test, or related proof way to becoming healthcare equipment; therefore, the user must use the balance of the car without external help.

Do not drive in dimly lit or dark places.

Avoid obstacles and smooth driving surface, snow, the ice, the slippery floor.

Please avoid sporadic cloth objects such as running on small branches, trash or small stone pavement.

Avoid narrow space or a place with obstacles.

Please balance the car in line with the conditions of use environment, if the environment needs to get his permission to use, please obtain their consent.

Please suddenly start or stop.

Avoid driving on the steep slopes.

Prohibit the use of the car at the time of this balance safe environment. There security environment is flammable gases, vapors, liquids, dust or fibers and other factors which may cause a fire or explosion hazard workplace incidents.

Note:

During driving, you may encounter many unanticipated and unexpected dangers, so any time require careful driving.

Not according to the user's manual use, resulting in personal injury accident The Company does not assume any responsibility.

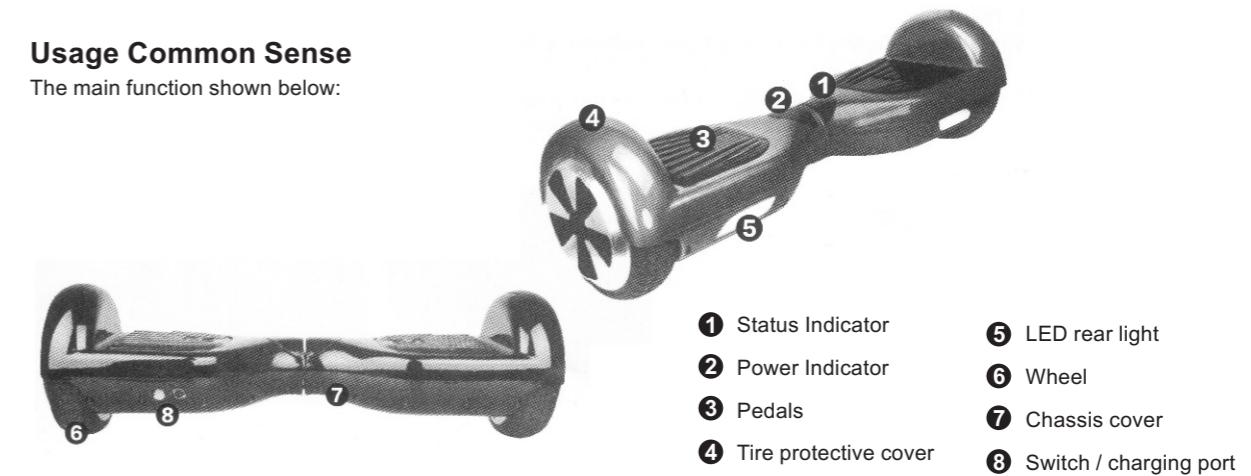
Parameters

Item	Specification	Parameter content	Explanation
Function	The maximum speed	10km/h	
	Range	10-20km	Depending on rider weight and road conditions and ambient temperature
	battery	36V/4.4AH/158WH	
	The maximum degree	15°	
	working temperature	-10-40°	
	Maximum load	100kg	
	Charger voltage	AC100-240V 50/60Hz	
	Charging time	130 minutes	90 minutes to charge about 80%

Appearance weight	size	584x186x178mm	
	pedal distace	110mm	
	Chassis to ground distance	30mm	
	body Weight	10.6kg	
Protect measure	Limit Speed Protection	Starts on speed of over 10km/h	Beeps and up-ward Prevent speeding

Usage Common Sense

The main function shown below:



FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation