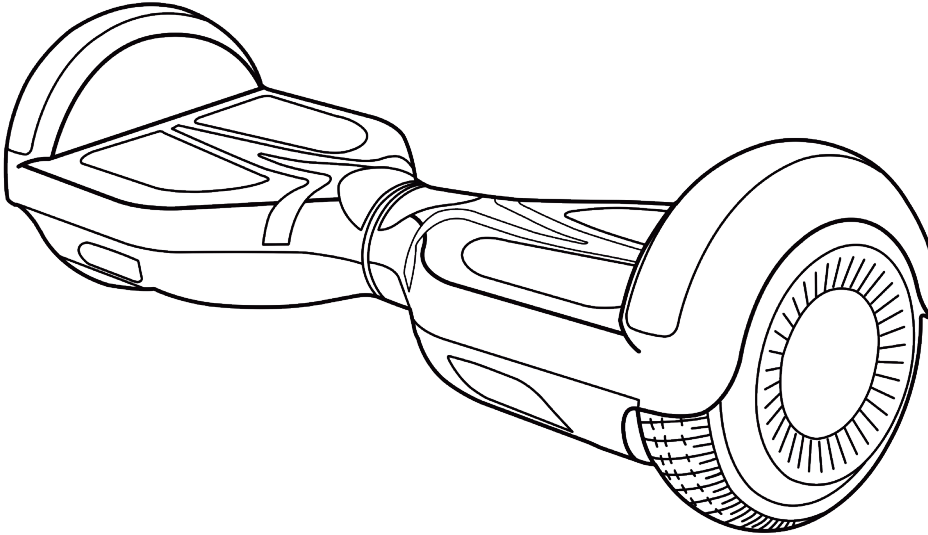
SIMATE Hoverboard

Electric Balance Scooter



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Product Introduction

Product Name:

- SIMATE Electric Balance Scooter

Main Parts of the Product:

- Body
- Footboard
- Tires
- Battery
- Charger

Product Function:

- Electrically powered, user controls the direction and speed of the vehicle by shifting their body weight.

Safety Reminders

1、Before using the electric balance scooter, make sure you fully understand and follow all safety rules and instructions.

2、It is not recommended to use the electric balance scooter on steep slopes, crowded or slippery conditions.

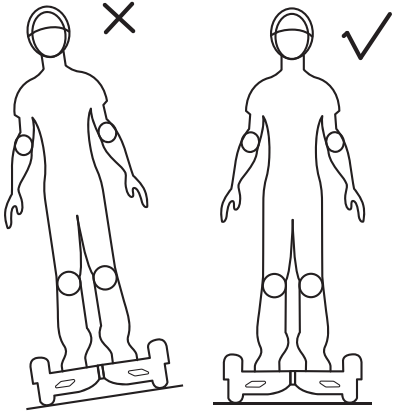
3、Always use the balance scooter in a safe location and be aware of your surroundings to prevent potential dangers.

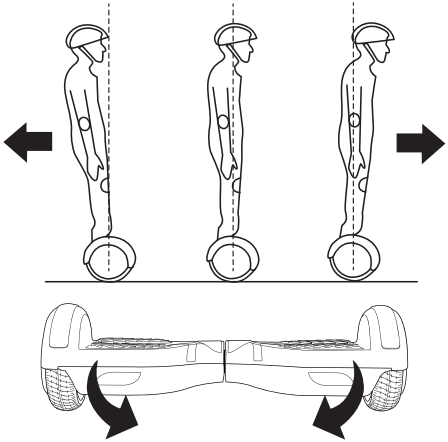
4、The balance scooter is not suitable for use in rainy or watery environments as moisture can damage electrical components.

5、Always use safety equipment that meets safety standards, including but not limited to helmets, knee pads, and gloves.

How to Use

- Make sure the balance scooter is fully charged and turned off.
- Turn on the power, place your feet on the footboards on both sides of the balance scooter on a flat ground.
- Keep your balance, and then lean forward slightly to start moving.
- Lean left or right to turn. To stop, keep your body balanced and lean back slightly.



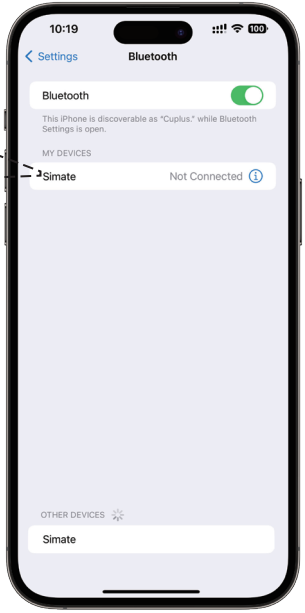


How to connect simate bluetooth

1. Turn on the Bluetooth on your phone

2. Find the device "Simate"

3. Connect and you can play music now.



Charging and Battery Maintenance

- Use the charger that comes with the product for charging, other types of chargers are not recommended.
- When charging, first plug the charger into the power outlet, then connect the other end of the charger to the charging port of the balance scooter.
- Charge immediately when the battery level is below 15%. The charging time typically takes 2-3 hours depending on the remaining battery level.
- Do not use the balance scooter while charging the battery to prevent overheating or damage to the battery.
- If the electric balance scooter is not used for a long time, keep the battery level above 50% to prevent excessive battery discharge.

Product Cleaning and Maintenance

a、Before cleaning the balance scooter, make sure the power is turned off and all power connections are disconnected.

b、Wipe the surface of the balance scooter with a damp cloth, do not use corrosive cleaning agents.

c、Avoid water from entering the electrical components.

Common Questions and Solutions:

Problem: The electric balance scooter can't start.

Solution: Check whether the power of the electric balance scooter is turned on and ensure the battery is sufficiently charged. If it still can't start, the battery or circuit may have a problem, please contact the manufacturer or professional repair personnel.

Problem: The electric balance scooter moves slowly or can't move.

Solution: Check the battery level, if the power is below 15%, it needs to be charged. Also, if the user's weight exceeds the load limit of the electric balance scooter, it may affect the running speed or the inability to move.

Problem: The electric balance scooter suddenly stops while running.

Solution: This may be due to the battery running out of power, it needs to be charged. If the power is sufficient, there may be a problem with the circuit or motor, please contact the manufacturer or professional repair personnel.

Problem: The electric balance scooter makes abnormal noises or vibrations while driving.

Solution: Check the tires and body to see if there is any damage or loose parts. If the problem persists, there may be a problem with the internal parts, please contact the manufacturer or professional repair personnel.

Problem: The battery charging time of the electric balance scooter has become longer.

Solution: This may be due to battery aging, the battery needs to be replaced. If the battery is new or has not been used for a long time, check if the charger is working properly, or contact the manufacturer or professional repair personnel.

These are for reference only, if the problem cannot be solved or is complex, please contact the manufacturer or professional repair personnel of the electric balance scooter. In any case, it is not recommended to disassemble the electric balance scooter yourself to avoid causing further damage or affecting warranty terms.

Why does my hoverboard keep beeping?

Hoverboards often beep or emit sound signals to indicate a specific issue or condition.

Here are some common reasons why your hoverboard might be beeping:

- Low battery: One of the most common reasons for your hoverboard beeping is that the battery level is low. If this is the case, you'll need to recharge your hoverboard to stop the beeping.

- Overload: If the hoverboard is carrying more weight than it's designed to handle, it may beep as a warning. The user manual should have information on the maximum load capacity.

- Speed warning: Some models will beep to warn you that you're going too fast.

- Overheating: Some hoverboards beep when the device's temperature gets too high, which can be caused by overuse or operating in high-temperature environments. If this is the case, turn off your hoverboard and let it cool down.

- Incline warning: Your hoverboard might beep if you're trying to go up or down an incline that's too steep.

- Imbalance or calibration issues: Hoverboards use sensors to maintain balance. If these sensors are malfunctioning, it could cause the device to beep. If this is the case, you may need to recalibrate your hoverboard.

- Internal hardware or software error: Your hoverboard might beep to alert you of a problem with its hardware or software.

How can I fix it?

Solution: Depending on the reason for the beeping, here are several things you can do:

Avoid steep inclines:

If the beeping occurs when you're going up or down steep hills, try to stick to flat terrain.

Reduce load:

If the hoverboard is overloaded, reduce the weight it's carrying. This might mean the rider needs to lose weight or stop carrying heavy objects while riding.

Charge your hoverboard:

If the beep is due to a low battery, the solution is simply to recharge the device.

Cool it down:

If your hoverboard is overheating, turn it off and let it cool down before using it again. Try to use it in a cooler environment or reduce usage time to prevent overheating.

Slow down:

If your hoverboard beeps due to high speed, simply slow down. If the beeping persists, try resetting your hoverboard to its factory settings, as this might also resolve the issue.

Calibrate your hoverboard:

If the beeping is due to an imbalance or calibration issue, you'll need to recalibrate your hoverboard.

1. meke sure the hoverboard is fully charged
2.Keep the hoverboard pedal parallel to the ground
3.Turn off the hoverboard; then press and hold the power button for about 10 seconds. (You will see the LEDs flash 5 -6 times and light up continuously after 6 flashes.)
4.Turn off the hoverboard once more to finalize the calibration
5.Turn on the hoverboard and it will be in good condition again, and you can continue to use it without fear.

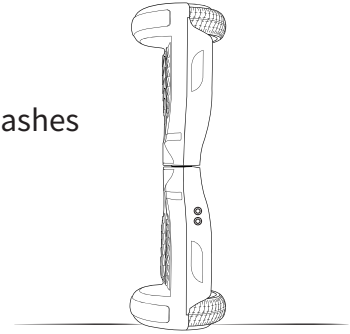
Get it serviced:

If the beeping continues despite your troubleshooting efforts, or if it's due to a hardware or software issue, you might need to get your hoverboard serviced by a professional or contact the manufacturer for further assistance. In some cases, the hoverboard might need repairs or parts replacement.
E-mail：service@simateboard.com

How to change the mode?

place the hoverboard vertically,
press the switch button,
and when you hear the beep, check the indicator light.

1. It is in safe mode if the green light flashes
2. It is in beginner mode if green and red light flashes
3. It is in sports mode if the red light flashes



Disposal Process for Scrapped Electric Balance Scooter:

1 Separate Recyclable Parts

Firstly, recyclable parts should be separated, such as the metal frame, tires, and electronic devices. These are materials that can be recycled and reused.

2 Battery Disposal

The batteries of electric balance scooters are usually lithium batteries, which contain harmful substances and cannot be discarded at will. They should be sent to special facilities for recycling or disposal. It is absolutely not allowed to try to open or burn these batteries, as this could trigger dangerous chemical reactions.

3 Electronic Device Disposal

The electronic devices on the electric balance scooter (like the control system, motors, etc.) may contain toxic or harmful substances and should be treated in specialized facilities.

4 Disposal of Waste Parts

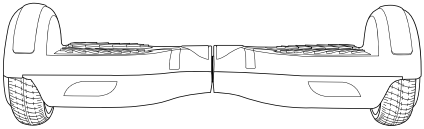
The remaining non-recyclable parts should be properly disposed of according to local government guidelines. In many places, this may mean taking it to a designated waste disposal center or scheduling a special waste collection service.

5 Final Clean-Up

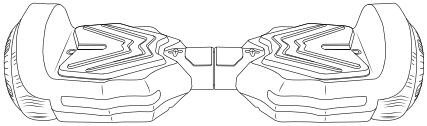
After disposing of the scrapped electric balance scooter, ensure that the workspace is cleaned up, as there might be residual harmful substances left.

In summary, the disposal of scrapped electric balance scooters should prioritize environmental protection and human safety. If you are unsure about how to proceed, please consult your local waste disposal center or a professional recycling organization.

Model Diagram



Apato



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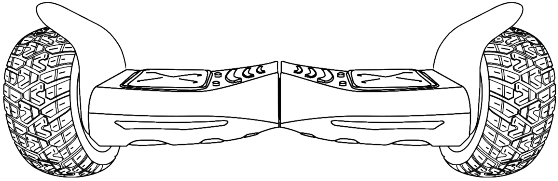
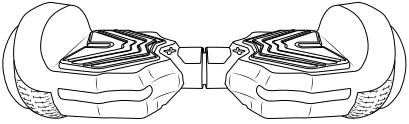


Tank



Hurricane

Parameters

Paramter Specification				
Model Name	Apato(P6)	Verison(K1)	Hurricane(K1+)	Tank(Z13)
Max.Motor Powers	300W	300W	300W	500W
Max.Speed	6 mph	7.5 mph	7.5 mph	10 mph
Typical Range	7 miles	8 miles	8 miles	8 miles
Max.Payload	40-180 lbs	40-220 lbs	40-220 lbs	40-220 lbs
Max.Climbing Slope	15°	15°	15°	15°
Net Weight	14 lbs	16 lbs	16 lbs	24 lbs
Recommended Age	6-12 years	6-60 years	6-60 years	6-60 years
Charging Time	3 hours	3 hours	3 hours	3 hours
Wheel Size	6.5	6.5	6.5	8
Compatible with GoKart	Yes	Yes	Yes	Yes

Warning:

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.

Warning:

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

NOTE: This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

RF exposure:
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Simate App Installation

Search “Xscar” in Application store
or
Scan the QR code below