

Self-balance electric unicycle manual





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Self-balancing electric unicycle manual

1. Self-balance electric unicycle manual

1. Introduction

Self-balancing electric unicycle is a new high-tech outdoor sports products, it uses aerospace attitude control theory, fuzzy algorithm. A gyro system, the longitudinal direction of the self-balancing, the user slightly forward back through the body, to achieve forward acceleration, deceleration, braking and other driving operations, the balance of the right and left direction similar to a bicycle, rely on the body to achieve twist

2. Safety Tips

Any sports products are a security risk, self-balancing electric unicycle million passengers no exception, driving self-balancing electric unicycle million passengers, you may face due to collisions, falls and loss of control caused by injury. To ensure your driving safety, please complete and carefully read all the instructions in this manual and precautions. Although this manual can help you better understand and use self-balancing electric unicycle million passengers, but we can not ensure that all types of emergencies are included.

Therefore, we remind you to drive carefully, to ensure that your driving safety.

Note:

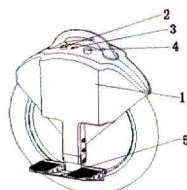
- 1) is not recommended for children under 15 years of learning and riding.
- 2) is not recommended at more than 15 degrees up and down the ramp riding.
- 3) does not recommend riding on bumpy or slippery roads.
- 4) is not recommended in vehicles and crowded places riding.
- 5) does not recommend the place in the rain and water rides.
- 6) Minors need to use 6 million passengers in the self-balancing electric unicycle accompanied by a guardian, in order to avoid accidents.
- 7) This product is outdoor sports products, not transport, is prohibited in the motor vehicle lanes and non-motorized trail riding! Only riding in the open flat area.
- 8) At any time, please wear a helmet, knee pads, elbow pads and other safety protective gear. Not wearing safety goggles, may cause you harm.
- 9) You can not skilled in driving this product, you can put the auxiliary belt tied to the handle, using the auxiliary bring your car to avoid the fall and scratches.
- 10) If you lose balance during driving, had jumped out of the car when you can use your hands to bring grabbed auxiliary self-balancing electric unicycle million passengers, lest it lose control damage.
- 11) if fall risk, please protect the personal safety based, do not consider self-balancing electric unicycle million passengers.
- 12) not hard acceleration and rapid deceleration, not excessive body forward and backward, non-speeding.
- 13) Please use the product original charger. Do not use other types of chargers, but can not use another manufacturer's charger. Any consequences resulting unused original charger, the Company will not assume any responsibility



3. Using Common sense

(1). Main functions and components

- 1) self-balancing electric unicycle million passengers shell
- 2) Power Switch
- 3) Indicator
- 4) charger jack
- 5) pedals



(2) Packages

Unicycle	Chargers	Auxiliary wheel	Assisted wheelbarrow	Warranty card	Certificate	Manual
1	1	2	1	1	1	1

(3). Indicator Tips

Red light: a red light indicates that the current containing about 20% of the electricity, when four red light indicates that the whole is greater than the current electricity consumption 80%, you can rest assured that use.

Flashing red: indicates that the battery is low, need to be recharged or self-balancing electric unicycle million passengers at risk, need to stop immediately and turn off the power, if the power supply is restarted, the fault has not been eliminated, please sent to the designated service location for testing and maintenance.

(4). Speed protection

Million passengers since the maximum speed balancing electric unicycle up to 18km / h, when faster (about 12km / h), the car will be the way you are prompted rocker pay attention to traffic speed. When the rocker or the host alarm, do not force the acceleration, to avoid falling.

Million passengers dynamic self-balancing electric unicycle is limited, exceeding the limits of self-balancing electric unicycle million passengers will be unable to support your body, causing you to fall from the car, so we urge you to be careful driving, not hard acceleration or rapid deceleration.

(5). Roll protection

When the body roll more than 45 degrees, the control system will start the roll protection, motor random stops to prevent rotation of the motor tell cause harm to humans. After the buzzer will start sounding roll protection, light on the power switch will not stop blinking. Simply lift the protection of state power restart.

(6). Charge

Ensure a clean, dry environment for charging. One end of the charger power cord to connect the AC power outlet, connect the other end self-balancing electric unicycle million passengers, the red indicator lights indicate charging progress. Under normal circumstances, when only about 60min to complete charging, 45min able to charge to about 80% of the electricity, the light on the charger turns red, indicating that it is charging, green lights indicate when charging is complete. Do not attempt to ride in charge of the case. If not urgently, please be patient after charging is completed remove the charger, since the late charge, the battery voltage battery protection board will maintain equilibrium.

4. Preparatory before driving

1) Select the appropriate venue: Please conduct a trial run on a flat, open, non-motor vehicles, fewer people venue. Self-balancing electric unicycle million passengers outdoor sports products, not transport. Million passengers a user can only open flat area riding,

trail riding is prohibited in the non-motor vehicle! Do not ride in the vehicle lane! Million passengers users of non-motorized trails and trail riding in any vehicle, once the accident occurred, it may cause you personal safety accidents!

2) Selecting the appropriate dress: It is recommended to wear sportswear, sports shoes. Do not wear sandals riding, slippers or high heels, do not wear dresses or pants wide mouth, to avoid injury to you!

3) Checking the vehicle: You need to check before driving power sufficient, Are there abnormal sound and loose body, manual implementation of self-balancing electric unicycle million passengers to see if the friction wheel and housing.

4) The best you can find a friend to learn to ride together, we can exchange ideas, promote each other, when appropriate can also provide assistance to you quickly master cycling skills helpful.

5) At any time, please wear a helmet, knee pads, elbow pads and other safety protective gear. Not wearing safety goggles, there is likely to injure you!

6) Keep the auxiliary belt through the handle and adjust the length to the appropriate location.

7) Please refer to step driving instructions to begin your learning.

5. Driving steps

1) Do not turn on the unicycle away from the ground

Self-balancing electric unicycle million passengers at the start state, do not leave the ground, to avoid the risk of idling may bring. Prohibited during high-speed rotation of the wheel, with the wheels touch any part of the body to avoid injury to you.

2) Turn on power

Grasp the handle with one hand, the self-balancing electric unicycle million passengers standing on the ground, and two foot pedals to start and press the power button will self-balancing electric unicycle million passengers power is turned on, then the red light. If you find the red light flashes, please do not try to ride. We recommend that you forward and backward along the direction of the front and rear wheels pull the handle a few times, feeling the intensity of the wheel acceleration and deceleration. Self-balancing electric unicycle million passengers have 1 to 3 seconds of startup time, when the switch is pressed, wait for the body to enter the self-equilibrium state, and then to use.

3) How to keep balance

Million passengers use self-balancing electric unicycle is stable before and after the gyroscope. When you lean forward, self-balancing electric unicycle million passengers will perceive your actions be accelerated; When you lean back, self-balancing electric unicycle million passengers will also control the motor deceleration to maintain a balance between you and the vehicle body. Self-balancing electric unicycle million passengers can not help you about balance, just like you, like riding a bike, you need to rely on a certain speed and your body to control the left and right balance. Do not sand or fine on smooth pavement covered road riding, because self-balancing electric unicycle million passengers wheel friction with the ground need to maintain balance.

4) Driving

You can look for a wall or fence, etc. to help balance, if these are not, you can find a friend to stand on your side. In aid of the outside world, you can stand on the first self-balancing electric unicycle million passengers, leaning forward to make use of your million passengers slowly moving forward self-balancing electric unicycle, become familiar with the feeling of riding, and gradually reduce dependence on aid in until you are completely without aid.

5). Turn

About turn: We found that beginners like to rotate the upper body approach to turn, but that action is not effective. We recommend you to adjust the degree of tilt around the body were turning left foot stepped on by adjusting the intensity, through constant practice, you would expect to reach the turning effect.

6). Driving safety tips

At this point, we believe that you've learned how to ride million passengers self-balancing electric unicycle. However, we still recommend that you be sure to get to know the basis of vehicle performance up gradually challenges you have not tried the action.

6. Charge and maintenance

1). Maintenance

Do not put your car in a humid place. Shutdown state, you need to charge the device for at least a month once, so the battery runs out. At the same time the battery can not be arbitrarily removed, if you want to replace the battery, please contact us, we will provide you with quality professional services. Use a damp cloth and mild detergent to clean your self-balancing electric unicycle million passengers, can not use gasoline, solvents or any chemical agents to clean the body surface. Self-balancing electric unicycle million passengers to 20 °C storage temperature is appropriate, high or low temperatures will adversely affect the lithium battery. Please do not at ambient temperature higher than 50 °C conditions of use, do not self-balancing electric unicycle million passengers a long placed above 40 °C environment. Special Note: Do not hot weather season, the self-balancing electric unicycle million passengers placed in the car! High temperatures may lead to complete failure of lithium batteries, and even cause a fire!

2) Replacing tires

When the external fetal damage in need of repair or replacement, turn off the power of choice, remove the screws and screw ring pedal next to the power switch on the other side with a Phillips screwdriver. Do not twist the power switch on the side of the screw! Because the power switch installed inside the casing side boards. When you unscrew these screws, the cover to the axis of the handle to open the cabinet. In the grip of the region have some wires, be careful not to pull off these wires. Now you can replace the inner tube of a tire and repair. When the repair is completed, the cover to the original position and tighten the screws.

3) Pedals tightness

You can adjust the tightness of the foot on both sides of plate hex screw to adjust the damping degree pedals.

7. Parameters

Items	Specifications	Parameter content	Description
Performance	Top speed	About 18Km/h	
	Farther	20Km	Depending on rider weight and road conditions and the ambient temperature may be
	Climbing angle	15	Weight 60Kg person, the actual road test up to 38 degrees
	Battery	132lithium battery	Protection board with balancing function
	Temperature	Of minus 10 degrees to 40 degrees	The most suitable temperature is 10 to 30 degrees
	Maximum load	120Kg	
	Charger voltage	AC 220V 50-60Hz	
	Charging time	About 60 minutes	45 minutes to charge to about 80%

Items	Specifications	Parameter content	Description
Appearance & weight	Size	High 450mm length 395mm	The maximum thickness of 160mm, a minimum thickness of 70mm
	Pedal ground clearance	112mm	No load state
	Tire Size	φ360mm	
	Body weight	9.8Kg	Without training wheels
Protection measures	Roll protection	45 degrees left and right are	More than 45 degrees, the motor will stop running
	Speed protection	More than 12Km / h open	Pedal gradually lift the front end to prevent further accelerate
	Low battery protection	The remaining approximately 10% power is turned on	Pedal front began to sink gradually decelerate to a stop
Warning	Power and Error	Power switch LED	Boot Always, when protecting flashes
	Electricity	LED battery indicator	Greater than about 85% full when the four LED lights, drop off gradually with electricity
	Sound reminder	Beep	Boot beep prompt, continuous beep when the low battery protection
	Sound reminder	Sounding	When blew roll

8. Warranty

Please keep the warranty card and purchase invoice as an aftermarket credentials. For non-human damage and failure to provide service in accordance with the following provisions:

- 1) Vehicle' s in addition to the battery and supplies outside the one-year warranty
- 2) Battery' s warranty for six months, wheels tires and tubes are consumables, warranty month

Following cases are not within the scope of the warranty

- 1) User is not in accordance with the "manual" provision, maintenance and adjustment caused by the failure
- 2) User-modification, repair damage caused by the demolition and the use of non-compliance with the provisions of failures caused
- 3) Users accidents caused by improper storage or failure
- 4) No warranty card, invoice discrepancies, or ticket matter
- 5) Using the appearance of damage is not covered by the warranty within the scope of
- 6) Demolition of damaged pieces themselves outside the specified range using the instructions on the
- 7) Riding in the rain for long time and soaked in water will cause damage.

9. Disclaimer

Before using self-balance electric unicycle, you should read this manual carefully million passengers use the user once million passengers use the products, shall be deemed for all the contents of this manual recognized and accepted, not strictly in accordance with any requirements of this specification and use of our products caused by the accident, we will not assume any responsibility.