

Electric Scooter

Intelligent Travel Smart living

ELECTRIC SCOOTER



USER'S MANUAL

1 Document description	1
1.1 About this manual.....	1
1.2 The risk of driving.....	1
1.3 Preparation before driving.....	1
1.4 Document's related instructions.....	1
2 Product introduction	2
2.1 Electric scooter.....	2
2.2 Description of electric scooter components.....	3
3 Safety instructions	4
3.1 Safe use.....	4
3.2 Mileage.....	5
3.3 Safety devices.....	5
3.4 Safety test.....	6
4 Operation guide	7
4.1 Expand and fold the electric scooter.....	7
4.2 Battery.....	8

 DIRECTORY

4.3 Charger and battery.....	10
4.4 Acceleration controller.....	11
4.5 LCD.....	12
5 Ride skills.....	13
5.1 Safety riding.....	13
5.2 Ride skills.....	13
6 Electric scooter quick fix.....	14
7 Maintenance instructions.....	15
7.1 Lubrication.....	15
7.2 Tires.....	15
8 General troubleshooting.....	16
9 Basic parameters.....	17
10 The Packing List.....	19
11 The Warranty Policy.....	20

1 DOCUMENT DESCRIPTION

1.1 About this manual

For your driving safety, please read this manual carefully before using the electric scooter to ensure that you can follow the correct instructions to drive the electric scooter.

- Knowing all the security warnings and precautions listed in this manual will help you drive your electric scooter better.
- If you have any questions or cannot get the information you need from this manual, please contact us immediately.

1.2 The risk of driving

Electric scooter is a transport and auxiliary tool for entertainment and leisure, its technology and production processes are strictly inspected, however, when you are not in accordance with the warnings specified in this manual to use it, it will be possible to hurt you.



WARNING!

Whenever and wherever you fall, out of control, collision and other reasons, including non-compliance with the manual's requirement to drive a Patton balance car, may cause you to be injured. In order to reduce risk and avoid harm, you must read this manual carefully.

1.3 Preparation before driving

Before starting to use, firstly you need to check whether the electric scooter battery is sufficient or not. When you do not use it according to the safety precautions specified in this manual, it may cause injury.

1.4 Document's related instructions

The following instructions apply to the entire User Manual, please pay special attention to the relevant "WARNING" and "NOTE".



WARNING!

Warning: Your misconduct poses a threat to your personal safety



NOTE!

Tip: Points to Note and Related Usage



2.1 Electric scooter

Electric scooter is a new high-tech walking tool with unique lines Modeling, advanced and reliable design technology, perfect after-sales service, in The market has a good image. Fast folding device, strong shock absorber System, high efficiency motor and advanced drive system have become its unique The c harm.

Electric skateboard is green, easy to fold and easy to operate And other characteristics, has become work, school, shopping, driving, travel Good help.

2 PRODUCT INTRODUCTION

2.2 Description of electric scooter components

components



- 01 instrument
- 02 Brake brake
- 03 Front brake brake
- 04 Adjustable riser
- 05, take it off.
- 06 Night Safety Light
- 07 Front disc brake
- 08 10 "pneumatic Tyre
- 09 aluminum alloy wheels
- 10 charging ports
- 11 feet support
- 12 Battery charger connector
- 13 Efficient Brushless Wheel Hub
- 14 rear disc brake
- 15 3M reflector
- 16 fender
- 17 shock absorber seat device
- 18 bags
- 19 Folding button
- After 20 shock absorbers
- 21 Accelerator

3.1 Safe use

Hope that all drivers can safely drive electric scooters and enjoy the fun of electric scooters, remember you learned to ride a bike, car, skiing or used other similar means of transport, all of these experiences can be applied to our products, making you drive an electric scooter better.

- In accordance with the User Manual, you will be able to drive the electric scooter safely. We strongly recommend that you read the User Manual carefully before driving the electric scooter at the first time. Before each trip, please check whether the electric scooter tires are damaged, and parts are loose or not, if any strange situation happens, please promptly handle.
- Please read the User Manual carefully, from which you will get a lot of important security information, including operating instructions, the use precautions, maintenance and other matters.
- At the first riding, please ride in an empty section of no one or the place where there is no obstacle.
- Please do not use electric scooters to do anything that endangers personal or property safety.
- Please do not arbitrarily modify the electric scooter parts, otherwise, it will not only affect the performance of electric scooters, but even damage the electric scooter and cause serious injury at the same time.
- Do not use this car to do stunts, rotation or take-off action, which will increase the chance of injury and the damage of the car.
- Passengers are not allowed.
- Comply with local laws and regulations.
- It is forbidden to take passengers.

3 SAFETY INSTRUCTIONS

3.2 Mileage

The mileage of electric scooters is related to many factors, such as:

- Ground type: Driving will increase the distance traveled on the smooth, flat ground, on the contrary, it will reduce the driving distance.
- Weight: The weight of the driver will affect the driving distance.
- Ambient temperature: Storing and driving electric scooters at the recommended temperature will increase the driving distance, on the contrary, the travel distance will be reduced at extreme temperatures.
- Maintenance: Reasonably charging and maintaining the battery will increase the driving distance, on the contrary, it will reduce the driving distance.
- Speed and driving style: Maintaining a moderate speed will increase the travel distance, on the contrary, starting, stopping, accelerating, decelerating frequently will reduce the travel distance.



NOTE!

Before cycling: Make sure the M-shaped button is inserted in the folding device / bridge. Commencement phase: It takes a short distance to get the components, such as hinges and brakes, in the correct position.

3.3 Safety devices

Tire pressure: 40PSI-50PSI

Helmets: Most of the injuries that occur when riding are in the head and can be avoided by wearing a helmet. When riding an electric car, please be sure to wear a helmet, please use the helmet in accordance with the helmet strictly.

3.4 Safety test

Before using the electric scooter, firstly check whether the screw is tight or not by visual observation, make sure it doesn't fall off. Confirm whether any parts have damage or wear or not.

Tires and wheels: check whether the tires wears or not, they can be checked by rotating tires, make sure the tires are in good condition and don't require replacement, make ensure whether wheels are normally spinning during braking, if not, please do not hesitate to contact us.



NOTE! When you want to speed up, lean forward. When you want to brake, lean back.

4 HOW TO OPERATE

4.1 Expand and fold the electric scooter

Expand the electric scooter

Step 1

A. Minor lifting of the guide rod to reduce the weight of the folding switch



B. Hand-to-hand folding switch

Step2

A. Steady upward expansion
So the folding device can be locked



B. Can see from the appearance whether the folding switch bounces
Card pick lock.

Step 3

A. Open the lever
B. Pull the handle to adjust the lever
C. Lock the lever



Dangerous when driving
without foot on folding switch



Press the folding switch, hold the guide bar with one hand, hold the guide bar far away from the folding device to obtain an impulse, and find one without pressure on the unfolding device.

The point of force until the folding switch bounces.

The folding mechanism will be released at the point where there is no pressure, so that the handle of the turtle moving scooter can be folded. The fast and stable locking of the electric scooter is based on additional pressure.

The reckless operation will cause damage and wear and tear of the folding device.

Expand the electric scooter

Step 1

Long-sight function of the joystick: Slide the hyperopia handle from the main joystick (electric scooter label) when opening the quick release lever, and then lock the quick release lever. To fold the electric scooter, lower / insert the joystick into the overall joystick and lock the quick release lever.

- A. Open the lever
- B. Pulling handle
- C. Lock the lever



NOTE! The electric scooter has a unique folding device, which is easy to carry, transport, and store quickly and easily.

Step 2

The electric folding joystick is through the foot on the folding switch and then in the direction of the rear wheel. Fold the joystick until you hear "click" to make sure the device locks.

- A. Push the joystick forward
- B. Foot on folding switch
- C. Fold the steering part until it's locked



4 HOW TO OPERATE

4.2 Battery

- Do not operate the motor when charging.
- The indicator on the accelerator is only a rough display of the charge (power full / empty).
- Do not store for longer time (more than two months) when the battery is fully charged.
- Every time the best way to use is to release the battery power to the red indicator lighting, slow down, and stop when riding the electric scooter.
- Avoid contact with the leaked material in the battery.
- The battery should be placed in places where children and pets are not accessible.

Do not use the battery in the following cases:

- When it was damaged
- When releasing the abnormal smell and heat
- When any leakage phenomenon occurs



NOTE!

Using, storing, and charging the electric scooter outside the specified range will result in expiry of the warranty period, battery damage, and battery charging.

4.3 Charger and battery

- Electric scooter with an external charger, first plug the charger plug in the electric scooter charging port, the charging port is located below the foot pedal, by the rear, on the right position, and then plug the charger plug in the power supply.
- The charger indicator shows red --- in charging.
- The charger indicator shows green---charging is complete.
- To avoid battery to stay in the state of long-term power or full of electricity.
- In order to optimize the performance of the electric scooter battery, it should be charged once every month (9 hours).
- Before removing the battery or repairing, make sure that the electric scooter is disconnected from the power supply.
- When the electric scooter connects AC power, the operation above is very dangerous. The electric shock will cause serious damage to the vehicle so that the scooter is destroyed.
- Do not try to open the battery, do not try to use any item to open the battery or insert the battery, the operation will cause electric shock, injury, burning or fire. Any attempt to open the battery cover will result in damage and leakage of toxic substances.
- Use the charging tool permitted by the electric scooter to charge.
- Dismantle the battery and carry the electric scooter in the permitted environment and in accordance with national requirements.

4 HOW TO OPERATE

4.4 Acceleration controller

Push the speed controller to speed up the electric scooter



WARNING! Please release the speed control before braking.

1. Press key: On the right of the meter, there are two keys, namely, the power button and the function key.
2. Usage method
 - a. Long press the power key to turn on, and then press this key to turn off the machine.
 - b. After the instrument is turned on, if the motor is not turned for three minutes, the instrument will enter the automatic shutdown.
 - c. Press the function key short and change the meter to display the contents. There are characters such as TIME, TRIP, ODO, DST, VOL, CH2:00 and so on.

TIME: Express time

TRIP: A single mileage

ODO: Cumulative mileage

DST: Reserve unused

VOL: Present the current voltage of the battery

CH2:00: 2 hour shutdown countdown

- d. Short press the power button, the digit 1, 2 and 3 will flicker, then press the function key to change the gear position, 1 for slow gear, 2 for middle gear, 3 for fast gear.
- e. When you press the power key function key at the same time, enter the instrument parameter setting state, the instrument will appear P0 at this time, then the function key will display P1, and then click the function key to appear P2, P3, P4, P5, P6 in turn.

P0: Speed regulation

P1: Undervoltage point setting

P2: Miles/km, 0 km km/h, 1 mph Mp/h

P3: Zero start, non zero start selection, 0 zero start, 1 non zero start.

P4: Cruise options, 0 for no cruise, 1 for cruising

P5: Hard start selection, 0 for hard start, 1 for soft start

P6: ABS, 0 is no ABS, 1 is ABS

Display P0, point by the power key, will show the wheel diameter, at this time point according to the function key, add 1, then add 1, also can point by the power key to reduce 1, until the speed of the speed to the actual speed.

Display P1, point according to the power key, will display the undervoltage point, at this time point according to the function key, add 0.5, the add 0.5, also can point by the power key to reduce 0.5, until the under pressure point to normal under pressure.

P2-P6 debug and P1.



Malfunction



Brake



Holzer fault



Controller fault

5 RIDE SKILL

5.1 Safety riding

- Learn about electric scooters---Before riding an electric scooter, first understand the car, try to control the car, slow down the speed when you turn, carefully ride, and then give a certain amount of brake buffer time.
- Your riding ability---First get the control of the car, find a wide and open place without obstacles when practice riding an electric scooter.

5.2 Ride skills

- The position of your feet---Before riding put your foot on the front of the scooter, the other foot on the ground, to ensure that the ride route is smooth.
- Before starting, use the foot on the ground to slide forward (like riding a no-power scooter).
- Immediately press the accelerator button, the body leans forward, so you can avoid falling backward due to inertia , so that electric scooters will enter the working state.
- Avoid putting your body on the handle bar in the process of acceleration and deceleration.
- In the acceleration and deceleration, avoid putting your body on the handle bar, one foot ahead,one foot behind (as in the skateboard / surfboard, one foot ahead, the other foot back, this is more comfortable).
- Turn---The principle of turning the electric scooter is same as the surfboard/ skateboard/skis, the handle is parallel to the body, observe carefully and make sure the turn is safe before turning.
- Brake---The center of body gravity is at the back, ensure to brake through the feet rather than the handle or joystick, it is best to know how to adjust the center of gravity when stopping, in addition, be much more attention, such as turning over ("emergency stop") or wear , as well as the damage of handle rod, joystick, steering system .



NOTE!

Like most sports, cycling is also a risk of injury and damage. The responsibility of choosing an electric scooter and the risks it poses are both yours. So it's important to understand and follow the safety rules.

The electric scooter is assembled by professional staff, and any attempts of installing or replacing any of the accessories in an electric scooter privately will destroy the electric scooter, you will not be able to enjoy the warranty service provided by the manufacturer because of this.

Maintenance of flat tire of electric scooter



(Required tools)

- Check if the electric scooter charger is unplugged and cut-out.
- Place the electric scooter body on a high and solid table, make the front and rear wheels in the air.
- Use the universal tool to open the rear plastic cover.
- From the right side of the electric scooter, gently pull the wires that connect the motor.
- Use a 15-18 external six-foot handle to remove the motor's screws and take out the motor.
- Remember the order of the motor washers.
- Put the tires out of the motor with a professional crowbar (not plastic or too small). Do not damage the motor, wheels, tires and inner tubes during this process.
- After applying the hand lotion or soapy water to the tires, slide the wheel hub out of the tires.
- Change the inner tube.
- Tire is installed in situ, stall the tires on the wheels hub after applying the hand sanitizer or soapy water to the wheels hub, finish the operation with hands, not any tools.
- Inflate the tire to 45PSI of tire pressure, check whether your maintenance is perfect.
- Install the electric scooter back according to the opposite steps described above.



NOTE!

Make sure the charger of the electric scooter is pulled out and the power is turned off.

7 MAINTENANCE INSTRUCTIONS

7.1 Lubrication

Every six months you need to use a small amount of lubricating oil or lubricant in the clutch sleeve of the folding handle to do maintenance.



NOTE!

Do not use WD40(rust resistant oil) to lubricate product parts, and do not lubricate front and rear wheels. If in doubt, please contact us.

7.2 Tires

When the brake performance begins to decline, the regulator on the brake line can be adjusted to achieve the required sensitivity. If the brake line is adjusted, the brake performance is still poor, or the brakes are noisy, you need to find us to replace the brake pads.



NOTE!

The lithium battery of this product can be recharged for at least 800 times in two years. When the driving distance after each full charge is too short, the lithium battery may need to be replaced.



When the product is not working properly, check that the following actions are No completed:

Power's on.

The battery shows that there is still residual power.

The brake lever has been released.

All jacks and connections are clean and connected accurately.

If all the above actions have been completed and the product is still not operating properly, Please contact us.

9 THE BASIC PARAMETERS

Product specifications	Outline dimensions	120*135*60cm
	Center distance of front and rear wheel	70mm
	Scooter weight	31kg(including attery)
Product performance	Maximum load	150kg
	Maximum speed	≤50km/h
	Climbing ability	30°
	Battery type	Lithium battery
Battery parameters	Standard voltage	48V
	Battery capacity	13AH
	Mileage	40-60km
Motor parameters	Motor type	DC brushless motor
	Rated output power	1000W/2000W
	Rated voltage	48V
	Maximum output torque	9.5N·m

Charger parameters	Input voltage	AC100-240V
	Output current	2A
	Charging time	5-8/h
	Single charge consumption	0.6 kW•h
Tires	Tire size	11 inch
	Tire type	Inflatable tire
Brake	Brake form	Rear hub brake
Lamp type	LED	Lights with speakers

10 THE PACKING LIST

The Packing List of Electric Scooter

Serial number	Product name	Quantity
1	Host	1
2	Charger	1
3	Instructions	1
4	Warranty Card	1
5	Product certification	1

Open the package, if you find the damaged or missing, please contact us,
we will replace or fill it for you as soon as possible !

Please keep the warranty card as a sales voucher.

For non-human damage and failure, provide in accordance with the following terms

After-sales service:

- ① The warranty period of battery parts is 12 months; The warranty period of motor is 24 months.
- ② The warranty period of charger is 6 months; inner and outer tire of wheel are supplies, the warranty period is 1 month.
(If the water gets into the battery, the motor is not warranty)

The following is not within the warranty:

1. The user is not in accordance with the provisions of "manual" to use, maintain, and adjust, which cause the failure.
2. The users modify, repair, repair the product by themselves, to cause the damage, and they do not comply with the provisions to lead to the failure.
3. The users storage it improperly or accident occurs to cause the failure.
4. The users do not have the warranty card.
5. Appearance damage after the use does not belong to the scope of warranty .
6. The users remove the product on their own, which is beyond the provisions of the manual.
7. The damage caused by riding in the rain or in the water pavement and soaked in the water.

Thank you for choosing and buying electric scooters.

Electric scooter one high-tech electric scooter.

Please read the "User's Manual" carefully, understand the safety warning and precautions for driving the electric scooter and then use it.

The User's Guide can help you understand, use and maintain electric scooters quickly.

 **WARNING!**

When you are driving an electric scooter, first learn how to drive safely to avoid the risk of collisions, falls and loss of control.

You can learn safe driving technology by looking at the "User's Manual".

The "User's Manual" inform the customer of all operating instructions and precautions. The user of the electric scooter product must read carefully and operate according to the requirements of this manual. If the user does not follow the instructions or violate the warning, our company will not shoulder the responsibilities for all the consequences.

If you want to get the relevant product service and support, you can contact us.