

# Electric vehicle manual

GB17761-2018



## Electric bicycle manual

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Product information:

Voltage: 48V      time to market: 2020

Configuration: standard type check number of people:  
2-person style

Maximum speed: below 40km / h,    curb weight: 32kg

We are a professional manufacturer of electric bicycles, "green environmental protection" is the company's consistent product design and production philosophy, product design lightweight.

Disney's pursuit is what users need. I hope you can tell us your feelings and suggestions after riding, constantly promote our work and make our products more perfect.

The contents of this manual are compiled according to the latest information. As the company's products are constantly updated and improved, there are differences between this manual and the products you actually purchased. I beg your understanding. After reading this manual, please keep it for future reference.

Be sure to read this statement carefully before using this product. In the event of any use of our products, you will be deemed to have understood and approved all the contents of this statement.

1. When you use this product, you must abide by the national laws and regulations and local traffic regulations. The Company shall not be responsible for any consequences arising from the violation of the above laws and regulations.

2. When you purchase this product, please check all the data on the vouchers and keep all the vouchers after the

purchase is completed. Because of the inconsistency of data and material or the inconsistency of vouchers, the users are responsible for the consequences.

3. Before you use this product, you must read the instructions carefully. When using this product, you should strictly follow the instructions. We are not responsible for any consequences caused by improper use, speeding, overloading, etc.

4. Without the written permission of the company, the user shall not disassemble or change the original assembly device without authorization. If the product breaks down, we must go to the special repair point of our company's distribution unit for service. In case of violation of the aforementioned circumstances, the consequences shall be borne by the users themselves.

### I. User's Guidelines for Use

1. Users must abide by traffic regulations and pay attention to traffic safety.

1.1 It is strictly forbidden for people under 16 to drive electric bicycles on the road.

1.2. Electric bicycles should be driven in non-motorized lanes with a maximum speed of no more than 15 km/h. On roads without non-motorized lanes, they should be driven on the right side of the lane.

1.3 Don't lend electric bicycles to people who can't operate them to avoid injury.

1.4 Electric bicycles shall carry persons or articles in accordance with laws and regulations;

1.5 It is recommended to wear a helmet when riding.

- 1.6 Ride on rainy and snowy days, extend braking distance, slow down, heavy rain and other bad weather, try to avoid travel.
2. Users should pay attention to the safety of electric bicycles.
  - 2.1 Electric bicycles should not be parked in building halls, evacuation staircases, corridors and safety exits.
  - 2.2 Electric bicycles should not be charged and parked in residential buildings. They should be far away from combustibles when charging, and the charging time should not be too long.
  - 2.3 Correct use and maintenance of batteries. Waste batteries should not be disassembled without authorization, and should be recycled by relevant professional departments.
  - 2.4 The safe use method and warning language of charger; when replacing charger, it should match the type of storage battery;
  - 2.5 Notes on Washing According to 5.7.7
  - 2.6 When adjusting handlebars or saddles, care should be taken not to reveal the safety line marks for the risers and saddles (when applicable).
3. Check before riding. If there is any abnormality, please do maintenance or professional maintenance in time.
  - 3.1 Power supply circuit, lighting circuit, etc.
  - 3.2 Whether the front and rear gates can work properly;
  - 3.3 Fastening state of handlebars and front and rear wheels;
  - 3.4 tire pressure;
  - 3.5 Whether the reflector is damaged or contaminated.

### Warning users

1. It is strictly forbidden to use batteries to connect the motor directly, otherwise it will cause damage to the motor.
2. The standard load of the vehicle is 75Kg (including cyclists). When the vehicle is seriously overloaded, it will affect the life of the controller and battery.
3. The mileage of one charge is a comprehensive index, which is related to the following factors:
  - 1) Controller under-voltage protection value, when the battery under-voltage, the controller will stop power supply, deep discharge will affect the life of the battery.
  - 2) Ambient temperature, load, wind speed, frequent braking, ramp (for your battery, pedal support) and low-speed cycling on crowded roads.
4. When the brushless motor idles, it will emit a kind of "buzz" sound, which is a normal phenomenon. This is because the electromagnetic wave vibration sound produced by the motor through the coil does not affect the normal use.
5. In the process of starting the brushless motor, the rider will feel a slight "jitter" phenomenon, which belongs to the normal state; while driving normally, the "jitter" will be very slight, which is determined by the structure characteristics of the brushless motor, so it is better to start with the help of foot first, and then ride.
6. The front and rear tires should be properly inflated. If the tires are inflated excessively, they will bump violently while driving. If the tires are insufficiently inflated, they will affect the driving speed and increase the power

consumption.

7. In order to ensure your safety, it is forbidden to contact battery contacts and charging sockets with wet hands or metal objects.

## 5.1 riding instructions

5.1.1 Before riding, please read this instruction carefully.

After fully understanding the performance, use and maintenance methods of the bike, you can ride.

5.1.2 Check whether the speed control handle is flexible and effective, the reliability and flexibility of front and rear brake, and adjust it in time if operation brake failure is found.

5.1.3 Check whether the battery box is fastened.

5.1.4 Slow down, whistle and walk sideways at turning.

5.1.5 In rainy, snowy and slippery areas, braking is very difficult. Emergency braking should be avoided to prevent slippage. When parking, braking should be used slowly.

5.1.6 Do not overload, otherwise it will affect the life of the vehicle and your riding safety.

5.1.7 Don't lend to people who can't ride an electric bicycle. They must strictly abide by traffic regulations. Please ride on the corresponding lane. No pedestrians are allowed to ride.

## 5.2 Installation of Batteries

5.2.1 Connect the fully charged battery box and place it in the battery box seat.

5.2.2 Lock the battery box.

Note: New cars or batteries should be fully charged

before they are used.

### 5.3 Start-up Vehicle

5.3.1 Connect the power supply: insert the key of the door into the switch lock of the power supply, turn on (turn on), the power indicator light is on, and the meter indicates that the power supply has been connected.

5.3.2 Vehicle start-up.

5.3.3 Driving Vehicles:

Steady rotation should accelerate the vehicle slowly after starting, and do not immediately increase to the highest speed to avoid danger. In the course of driving, we should maintain uniform speed and balance, and drive safely. Don't speed up and overload.

When braking, we should develop the habit of braking and restoring the speed control handle to its original position, so as to avoid damaging the control system or increasing the burden of batteries.

When going up the hill, pedals should be used as much as possible to assist cycling. In order to avoid excessive consumption of electricity, while conducive to motor, battery maintenance.

After use, the lock of the door must be closed, the key of the door must be removed and charged in time according to the situation.

### 5.4. Promotion and parking

5.4.1 When you get out of the car to promote or stop, you must turn off the power supply, in order to avoid accidental rotation of speed control handles.

5.4.2 Vehicles should be avoided frequently starting with speed control handles at rest to ensure the service life of



batteries, motors and electrical switches.

5.4.3 When parking and leaving, you must take down the key and lock the anti-theft lock.

5.5 Charging Method and Notices

5.5.1 Electric vehicles use special batteries for electric vehicles. Normally, they do not need maintenance. If they need to be replaced, please send the used batteries to the recycling station designated by our company.

5.5.2 A new car purchased from the factory, transportation and storage needs a certain time, which may result in insufficient battery power. Therefore, before the first use, the battery must be fully charged before riding.

5.5.3 The batteries of this electric vehicle must be charged with the special charger equipped by our company, otherwise the batteries will be damaged and even cause fire hazards.

5.5.4 Check whether the input voltage of the charger is consistent with the grid voltage.

When the 5.5.5 power switch is turned off, the battery can be charged directly in the car, or it can be unloaded and taken to a suitable place for charging indoors.

Charging method

5.5.6 First insert the outlet plug of the charger into the charging socket of the battery, and then insert the plug of the charger into the AC power socket to start charging. It takes about 6-10 hours to charge once. When the full indicator light (green) is on, it means that the electricity is full. It is better to recharge for another 1-2 hours. (See Charger Instructions for details)

5.5.7 This charger has overcharge protection device. Long time charging will not affect the battery life, but the continuous charging time is better not to exceed 18 hours.

5.5.8 After charging, the plug on the AC power supply should be removed first, and then the plug connected with the battery should be removed.

5.5.9 It is prohibited to connect charger to AC power for a long time. This will not only damage the life of the charger, but also cause other dangers.

#### 5.6 Cautions for Charging

5.6.1 When charging, please put it in a safe place that children can't touch.

5.6.2 It is better not to start using without full charge, otherwise it will affect the battery life.

5.6.3 Do not use other brand chargers for charging, other types of batteries should not use this charger.

5.6.4 Charger contains high voltage circuit, away from inflammable and explosive articles.

5.6.5 When charging, don't cover anything.

5.6.6 This charger is suitable for indoor use. Please use it in a dry and ventilated environment.

5.6.7 When charging, if you smell odor or the temperature is too high, please stop charging immediately and send it to the distribution room for repair.

5.6.8 Charging time exceeds 12 hours. If the red light on the charger is not converted to green light, please stop charging immediately to avoid battery failure.

#### 5.7 Maintenance Notes

5.7.1 Please check whether the fixed rear wheel nut is loose and tighten in time.

5.7.2 If the battery is out of service for a long time, please store it after full charge. When the battery discharges automatically, please replenish it once a month.

5.7.3 When repairing, please protect the lead of the hub in case of damage (axle end). The lead of five signal lines of brushless motor can not be short connected, otherwise the sensor inside the motor will be damaged.

5.7.4 Avoid placing in humid air, high temperature and corrosive gas, and avoid operation failure and chemical corrosion on the surface of electroplating paint for metal parts.

5.7.5 Avoid frequent starting of vehicles, otherwise the life of batteries, motors and controllers will be shortened.

5.7.6 If there are problems with charger, controller, battery and motor, please do not disassemble without authorization. Please come to our designated maintenance station for maintenance and treatment.

5.7.7 When cleaning plastic parts, wash them with soft cloth or sponge and neutral detergent, gently wipe off the stains, and then rinse them repeatedly with clean water and dry cloth.

When cleaning alloy parts, in order to prevent residual detergents from corroding alloy parts, clean and dry them with clean water, and then coat them with appropriate anti-rust oil. If the vehicle passes through acid, alkali and grease areas, the tire should be cleaned in time to avoid aging or wear.

After cleaning, lithium grease should be used to lubricate moving parts (front axle, shock absorber, pivot).

It is strictly forbidden to use high-pressure water gun to

clean electric vehicles in order to avoid hidden dangers caused by dampness of internal electronic components and circuits. Cleaning electric vehicles in water is strictly prohibited.

Seventh, after-sales service

7.1 Within one year of the car's sale, in case of any malfunction caused by the quality of the car, the designated maintenance stations of the factory shall be responsible for the maintenance. See "Warranty Card" for the scope of three packages. If it exceeds the warranty period or is man-made damage, you will need to pay a small amount of maintenance fee; if you need to replace parts, you will need to pay the cost of the corresponding parts.

7.2 The original distribution batteries of our company will be inspected, repaired and replaced by the maintenance stations designated by our company or the special maintenance stations of our company due to leakage, non-charging and abnormal continuation mileage due to quality problems.

7.3 The company has the right to improve product quality and performance, to modify drawings or products, and to keep confidential.

7.4 Please keep the Manual and the Warranty Card.

7.5 Warranty Range:

See "Warranty Card" for the content.

— You can enjoy the company's genuine warranty service by purchasing car invoices and product warranty cards.

