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<https://online.fliphtml5.com/tpimd/qdpu/>

## USER MANUAL

OPERATION AND MAINTENANCE

**ELECTRIC BICYCLE**

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\* All pictures in this manual are for reference only. Please refer to the actual product you purchased. The product may have updated accessories from time to time and may differ from the pictures. All interpretation rights belong to the company.

## Model Introduction

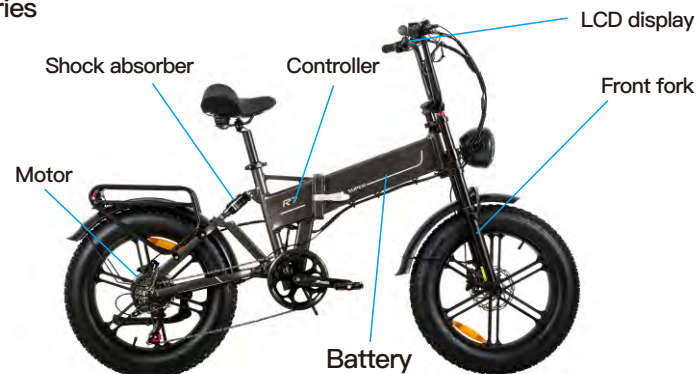
### Dual drive series



### Mountain vehicle series



## Folding series



## Commuting series



## Electric motorcycle series



## Bicycle installation

Since 95% of the bicycles have been installed, the rest can be installed directly upon receipt. The installation steps are completed in the order of 1-4

**Step 1: Install the handle and find the installation image that matches the product**

### 1-A



1. First, turn the riser straight ahead and align it, then tighten the screws on top, and finally fix the two screws behind the riser (if there is no adjustable handle model, skip this step)



2. Install handlebar riser

### 1-B



1. Install handlebar riser

**Step 2: Install the front wheels and find the front wheel installation picture that matches the product**

### 2-A



1. Adjusting the Nut Position



2. Install the front fork on the front wheel bearing



3. Tighten the left and right nuts as shown

## 2-B



1. The front wheels are shown in the picture



2. Install bearings as shown in the diagram



3. Install the other end according to Figure 2



4. After successful installation, as shown in the figure



5. Insert the wrench into the bearing



6. Tighten both ends of the axis as indicated by the arrow in the figure

## 2-C



1. The front wheels are shown in the picture



2. Install the front fork



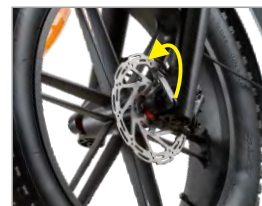
3. Insert the quick release axle into the front wheel as shown in the figure



4. Install the other end spring and nut



5. Rotate and disassemble quickly, lock the front fork



6. Lock quick release

## 2-D

### Dual drive installation steps



1. Take out the screws and nuts



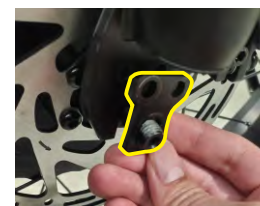
2. After removing the screws, as shown in the figure



3. The other end is shown in the figure



4. Install the front fork onto the bearing



5. Install safety buckle



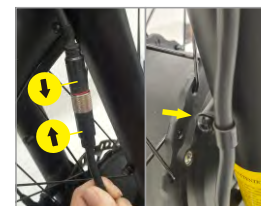
6. Please find this accessory in the accessory guarantee



7. mounting screw



8. Install the nut and tighten it, and also install this step on the other end for installation



9. - Connect the motor wire (note that the arrows on both ends of the connector correspond)  
- Install the motor wire holder



## 2-E Dual drive installation steps



1. The front wheels are shown in the picture



2. The other end is shown in the figure



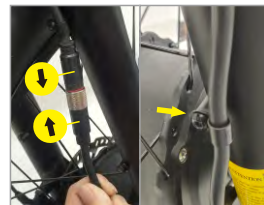
3. Install the front fork and insert the adjusted front wheel axis into the front fork slot



4. As shown in the figure, install the front fork



5. Tighten the screws



6. · Connect the motor wire (note that the arrows on both ends of the connector correspond)  
· Install the motor wire holder

## Step 3: Install the mudguard



1. Install mudguard



2. Install bracket screws

## Step 4: Install the electric bicycle lights and pedals

### 4-A



1. Install lights



2. as the picture shows



3. As shown, the gasket is installed

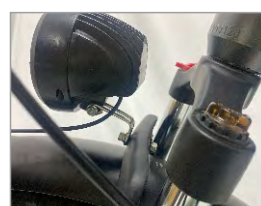


4. Connect the light cable (note that the direction of the arrow needs to correspond)



5. Take out the pedal with the letters "R" and "L", align it with the crank hole and lock it with a wrench

### 4-B



1. Install headlights



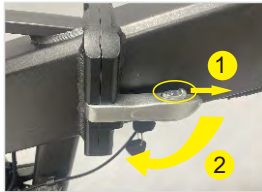
2. Connect the light cable (note that the direction of the arrow needs to correspond)



3 Take out the pedal with the letters "R" and "L", align it with the crank hole and lock it with a wrench

## Battery disassembly and assembly

### A-1 Suitable for folding car models



1. Open the safety buckle first, and then open the folding buckle.



2. Insert the key, twist it clockwise, push it up, and then twist it clockwise to retract the lock into the pipe.



3. Take out the key and take out the battery

### A-2 Suitable for R5PRO



2. Rotate the key clockwise to lock the battery, and counterclockwise to remove the battery.



3. Remove the battery.

### B Suitable for mountain vehicles



1. Open the battery lock



2. Press the switch to eject the battery



3. Remove the battery.

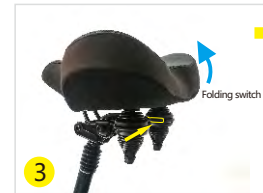
### C Suitable for vehicles with rear mounted batteries

Disassembly and assembly: The electric vehicle battery is equipped with a lock. If you need to remove the battery, you need to use the matching key to open the lock and take it out.



Turn the key to OFF, then push it forward, and then enter the Lock state, the battery can be taken out at this time

Pay attention to the battery removal state, the lock cylinder must be retracted into the battery



Flip up the seat and take out the battery

### D Suitable for external battery models



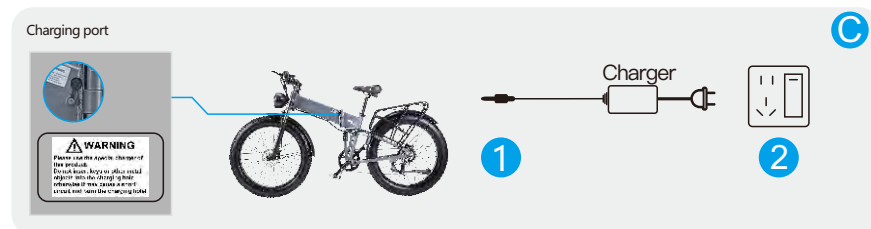
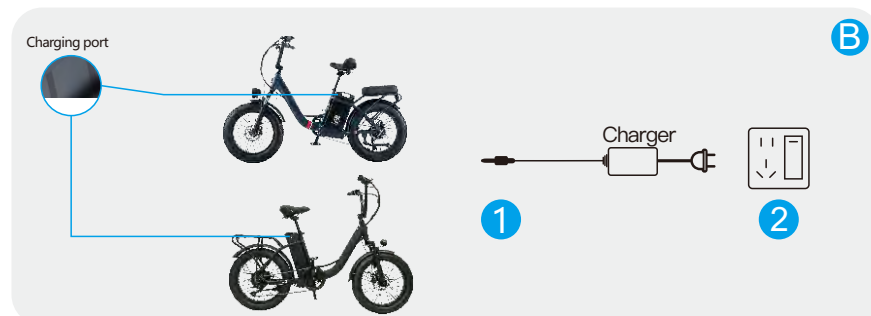
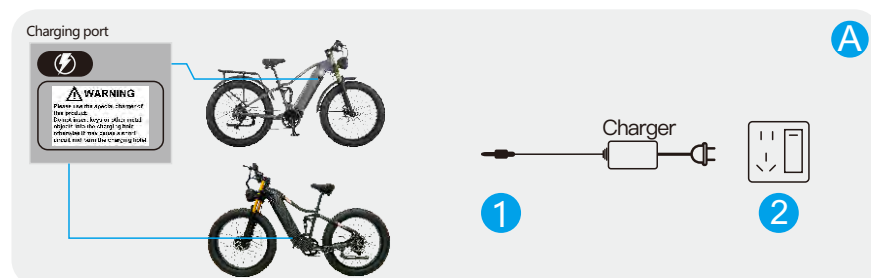
1. Open the battery lock



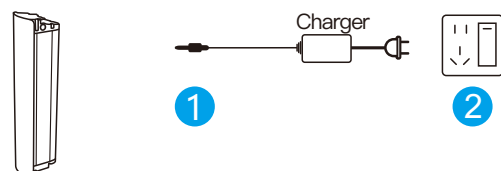
2. Remove the battery.

## Electric bike charging

First connect the charger to the electric bike battery, then connect the other end to the power source. (Please refer to the following diagram for the location of the charging port, find the corresponding symbol warning slogan or the shape and position of the charging port on the picture)



Battery charging method



- Electric bicycles are equipped with special batteries, which must be charged by the special charger provided by our company. Before charging, the electric bicycle must turn off the power supply. When charging, the output end of the charger is linked to the electric bicycle, and then the other end of the charger is linked to the power supply for charging. The red indicator of the charger lights up, indicating that charging is underway.

## Precautions

- Please carefully check if all parts are in good condition. If there are any issues, please contact the dealer promptly.
- Comply with urban traffic laws and regulations when using.
- Reduce speed when encountering rain, snow, and slippery road surfaces, increase braking distance when braking, and try to avoid driving as much as possible to ensure safety.
- Unauthorized disassembly of parts is not allowed. If you need to replace them, please purchase standard parts from the dealer.
- During cycling or on rainy days, it is prohibited to wade through water. When accumulated water submerges the lowest position of the motor hub, it can cause circuit faults.
- Do not touch the metal points of the battery, otherwise it will generate a large short-circuit current, causing accidents and fires. Please pay attention!
- Riding an electric bicycle requires wearing a safety helmet and carrying items in accordance with the law.
- Do not park electric bicycles in the lobby, stairs, corridors, and emergency exits of buildings.
- Due to the continuous improvement of product technology, there may be differences between the physical product and the instruction manual. Refer to the actual product.

## Special Tips:

Do not park electric bicycles in the foyer, stairs, walkways and safety exits of buildings. Electric bicycles should not be charged and parked in residential buildings. When charging, they should stay away from combustibles and flammable materials and avoid charging for a long time. Waste batteries cannot be disassembled without authorization.



## Riding precautions

- Accelerate slowly when starting, and help with pedals when climbing, which can prolong the service life of batteries and motors.
- The bicycle controller is equipped with overload protection function, which will automatically cut off the power supply when overload occurs, and when it returns to normal, the power supply of the electric bicycle will be automatically turned on.
- The maximum load capacity of this bicycle is 120kg (including the weight of riders). Do not overload driving. When driving on complex roads, try to ride and turn on the shock absorption function.

## Parking precautions

- When implementing, the power switch should be turned off to prevent accidents caused by sudden start of the bicycle due to unintentional rotation of the speed regulating handle. When parking, turn off the power supply, lock the battery and remove the key.
- For the sake of your driving safety and keeping your bike in the best condition, please maintain it regularly.

## Battery storage

- Please store the battery at the ambient temperature of 20 ~ 25°C, and do not store the battery in an environment higher than 50°C, otherwise it will lead to irreversible capacity attenuation of the battery.
- If the bicycle is not used for a long time (such as winter, summer or other special circumstances), the battery must be taken out and stored separately, maintained and charged regularly, otherwise the battery may run out and cause irreversible damage.
- The most suitable storage capacity of the battery is 50%, and long-term storage of less than 10% or more than 90% will lead to irreversible capacity attenuation of the battery.

## Precautions for battery use

- It takes about 6–7 hours to charge a 20AH battery.  
30AH battery takes about 9–12 hours to charge.  
When the indicator light turns green, it means it is fully charged. Please switch off the power supply connected to the charger, remove the charger and try to avoid charging for a long time (avoid charging for more than 8 hours for 20AH batteries and more than 12 hours for 30AH batteries).
- When charging, the charger and battery should not be covered with anything to avoid danger caused by overheating. It is recommended to start charging when the battery charge is less than 20%. When parking for a long time, it should be stored at 50% of the power, and must be charged once every other month.
- If you smell peculiar smell during charging, please stop charging immediately and send it to the maintenance office for maintenance.
- When charging, do not touch the battery or charger, and children are strictly forbidden to touch the charger.
- Keep the charger or battery away from flammable materials. Do not charge near babies and children. Do not charge in an unattended state for a long time. For the safety of you and your family, it is recommended not to charge in the early morning.
- Please do not use other brands of charger charging, charger is high-voltage circuit, do not disassemble without authorization.

## Pattern description



The key is opened, the instrument is opened, and the switch is twisted.  
The electric bicycle is driven by electricity.



The key is turned on, and the instrument is turned on. At this time, the electric auxiliary mode will be started, which is driven by manpower and electric power.



Riding an electric bicycle, the electric bicycle is driven by manpower.

- In pedal assist mode, assist is triggered when the pedal is pressed forward, and is stopped when the pedal is stopped. When you brake, the power assist system will automatically stop, allowing the e-bike to slow down and stop. When the e-bike reaches the maximum speed of the gear you have selected, the power assist will turn itself off.



## Motor description

When the electric bicycle starts, the input current of the drive motor is large, and the motor will have a certain noise to overcome the resistance to reach the speed. It is the friction sound of the current torque and the magnetic force, which is a normal phenomenon. If the starting current of the electric bicycle is increased, all noises will be more obvious. This is a normal phenomenon and will not affect the use of the electric bicycle. (Note: When the electric bicycle starts, it can be accelerated slowly when accelerating. At this time, the starting current will not be too large, and the noise of the driving wheel will be relatively small. At the same time, it will be beneficial to the battery life).

 **Warning**

Do not put the battery into the fire. Do not overheat the battery.



Do not use other brand chargers to charge the battery. Use the specified charger.



Do not disassemble or modify the battery.



Do not connect positive and negative electrodes or touch terminals with metal objects.



Do not subject the charger to shocks, such as dropping. Keep the charger away from water.



Do not let your skin touch the charger for a long time during charging.

May cause skin burns because the temperature of the charger may become 40C-60C (104F ~140F) during external charging.



Do not cover the charger with objects or place objects on the charger to avoid overheating and fire.



Please do not turn the pedal when the battery is installed on the bicycle for charging. Avoid winding the power cord on the pedal or crank, which may cause plug damage, electric shock or fire.



## Energy consumption description

- \* The battery should be fully charged before long-distance travel. Rugged road conditions and hilly terrain will consume more energy.
- \* Carrying more weight on an electric bicycle will consume more energy.
- \* When an electric bicycle runs at low temperature, its cruising range will be reduced.
- \* When the battery is turned off, your electric bike will be used as an ordinary bike.

## After-Sales Service

Warranty name	Service term	Warranty coverage (except human factors)
Battery	12 months	The inspected capacity is less than 2/3 of the specified capacity or the inspected quality problem
Motor	12 months	Performance failure
Controller	12 months	
Instrument	12 months	
Charger	180 days	
Frame	12 months	Desoldering, material fracture
Front fork	180 days	Performance failure

## Not Covered By Warranty

- \* Warranty period has expired
- \* Commercial leases are not covered by the warranty.
- \* Perishable parts are not covered under warranty.
- \* Damage caused by unauthorised modification, dismantling and replacement of accessories  
Damage to accessories caused by the user's misuse or collision, injury, water ingress or overloading is not covered by the warranty.
- \* Due to changes in the factory batch of e-bikes or upgrading of accessories without prior notice.