

RX80



OPERATION AND MAINTENANCE

ELECTRIC BICYCLE

USER MANUAL

•MODLE RX80

Attention

- Please carefully check whether all parts are in good condition before. If there is any problem, please contact the dealer in time.
- Abide by the city traffic laws and regulations when using.
- Slow down when encountering rain, snow and passing through slippery roads, increase braking distance when braking, and avoid traveling as much as possible to ensure safety.
- Do not disassemble parts without authorization. If you need to replace them, please purchase standard parts from distributors.
- Wading is prohibited during riding or when riding in rainy days. When accumulated water floods the lowest position of motor hub, it will cause line failure.
- Do not contact the metal point of the battery, otherwise it will produce a large short-circuit current and cause an accident and fire, please pay attention!
- Wear a helmet when riding an electric bicycle, and carry articles according to the law.
- Do not park electric bicycles in the foyer, stairs, walkways and safety exits of buildings.
- Due to the continuous improvement of products in technology, there may be different things between the physical objects and the instructions. Please take the physical objects as the standard.

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 180kg (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.

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MODLE RX80



| | | | |
|----------------|------------------------|------------------|----------------------|
| Frame | Aluminum alloy | Brake | Hydraulic brake |
| Battery weight | 4.35KG | Central axis | Sealed central shaft |
| Variable speed | Shimano 8 speed | Load | About 180Kg |
| Instrument | Intelligent instrument | Hub | spoked wheel |
| Controller | Vector controller | Charging time | 4-6 hours |
| Tire size | 26 inches | Climbing ability | Approximately 30 ° |
| Body weight | RX80 33KG | | |

* Please note that due to the upgrade of the product, the bicycle you own may be different from the picture and configuration.

* Product configuration is subject to physical objects.

Bicycle installation

Since 95% of the bicycles have been installed, the rest can be installed directly after receiving.



1. As shown in the figure, the front wheels of the bicycle you receive are separated from the bicycle body.



2. Install handlebar riser



3. Stick the front fork on the quick release



4. Adjust the center position of the tire so that the positions on both sides are the same.



5. Tighten the left and right nuts as shown



6. Install the fender bracket screws



7. install lights



8. Insert the No. 1 fixing piece into the slot of the No. 2 fixing piece



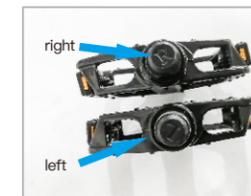
9. as the picture shows



10. Install the No. 5 washer and No. 6 screw as shown in the figure



11. Link the light line, pay attention to the arrow corresponding to the direction of the arrow at the other end



12. Install the left and right pedals separately

Fork Description

Turn the switch on the left side to switch the front fork damping system, and adjust the damping softness and hardness on the right side.



Switch damping



Adjust softness and hardness

Handlebar control unit description



Lamp

horn



switch handle

Description Of Variable Speed Finger Dial



- Eight-level speed change finger dial
- Please use the speed-changing finger dial when pedaling. (Note: Do not use it when it is still)
 - When changing speed, it needs to be adjusted step by step (note: do not directly adjust from level 1 to level 8)

Effect drawing of bicycle installation



Instrument Description

Boot password: 1212

Battery level
 Error code
 Current speed
 Walk boost
 Trip odometer
 Odometer
 Max speed
 Average speed

Low brightness display
 Speed unit
 KM/H
 MPH
 Cruise
 PAS level
 Value and unit

Power on/off
 Plus
 Minus
 Low brightness display
 Toggle

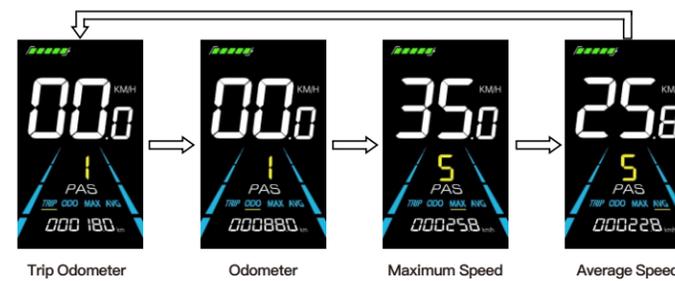
Power on/off

Long press to power on/off the display. When the display is off, it will not use the battery power and the leakage current is less than 1uA.

The display will automatically shut off if it is not used for more than 10 minutes.

Display interface switching

When the display is powered on, it will show the Current Speed (km/h) and Trip Odometer (km) by default. Short press to switch between Trip Odometer(km), Odometer (km), Maximum Speed (km/h), and Average Speed (km/h)



Walk boost mode

Long Press and hold , the electric bicycle enters the walk boost mode. The electric bicycle will walk at a fixed speed of 6 km per hour and the display shows . Release  to stop the power output immediately and restore to the state before walk boost.

 The walk boost mode can only be used when pushing the electric bicycle, please do not use it while riding.



Error code display

If there is a fault occurs in the electronic system of the electric bicycle, the display will automatically show an error code, see Schedule 1 for a detailed definition of the error code.

 When the error code appears on the display, please troubleshoot the problem in time, the electric bicycle will not be able to drive normally after the problem occurs.



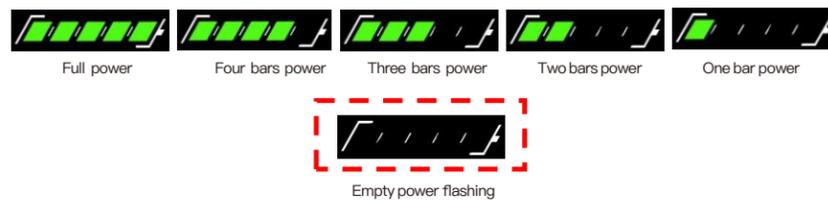
PAS level selection

Press  /  to switch PAS level of electric bicycle, thus changing the motor output power



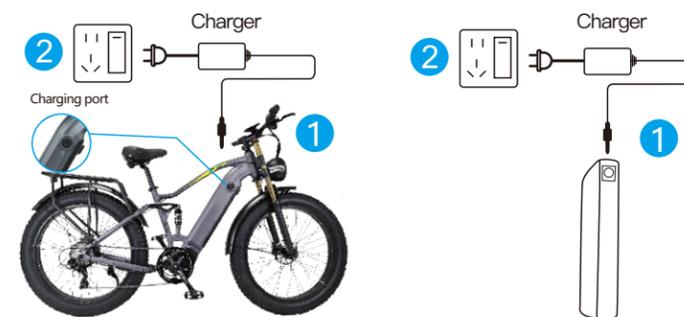
Battery level display

The Battery level is shown as 5 bars. When the battery is full charged, all of the 5 bars lighten up. When the battery is fully depleted, the bar will begin to flash, warning the user to charge the battery as soon as possible



Correct use of charger

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.



Battery disassembly and assembly



1. Turn the key counterclockwise to open the battery lock

2. Turn the knob on the bottom of the battery and the lock will retract into the battery

3. remove the battery

Precautions for battery use

- It takes about 6 hours to charge the battery. When the indicator turns green, it indicates that it is fully charged. Turn off the power connected to the charger first, remove the charger, and try to avoid charging for a long time (avoid more than 12 hours)
- 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.

Warning

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



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



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



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



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



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.



Do not disassemble or modify the battery.



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.

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.

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).

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

- The warranty period has expired.
- Commercial rental is not warranted.
- Gifts are not covered by the warranty.
- Damage caused by unauthorized modification, disassembly and replacement of accessories.
- No warranty for parts damage caused by improper use or crash, injury, water inflow or overload use by users.
- Due to the change of the factory batch or upgraded parts of electric bicycles, there is no prior notice.

E-bike APP

1.Download and install

First, scan the QR code of the picture below 1.1 to download the “E-bike” APP, or open the mobile browser and enter the URL: <https://www.pgyer.com/92m4> Download “E-bike” APP.

Android phone



Figure 1.1 “E-bike” download QR code

Apple Phone



Please search yolobike in the App Store to find the “yolobike” APP and install it.

*The first time you open the APP,you will be prompted to obtain permissions and allow all the permissions requested by the APP. Otherwise,some functions may not be available.

2. Registration and login

2.1 Registered account

Open the APP and click “Create an account”.

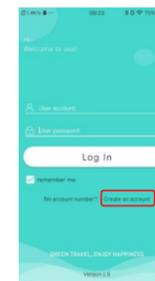


Figure 2.1 Login interface



Figure 2.2 Registration interfacel



Figure 2.3 Registration interface2

If you only want to experience APP,you can directly click “No account number” to directly enter the experience account.

2.2 Main interface description

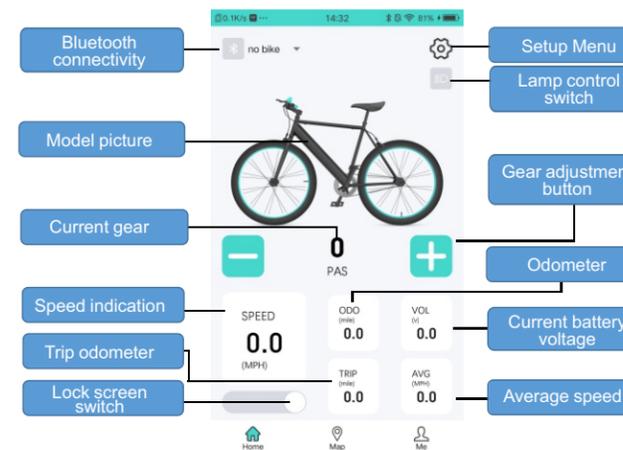
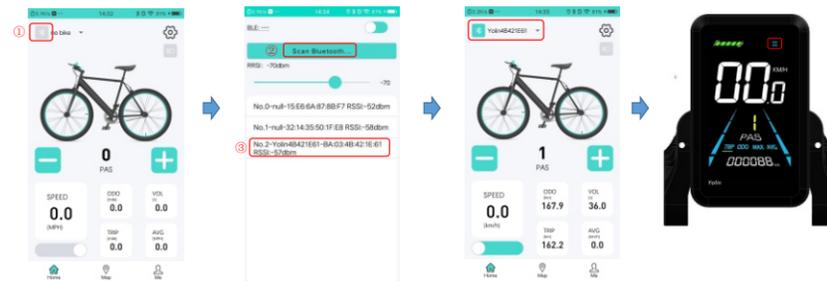


Figure 2.4 Main interface description

2.3 Bind display

1. Click the Bluetooth icon.
2. Click to search Bluetooth.
3. Click the Bluetooth name broadcast by the display to connect with Bluetooth. After the connection is successful, the display will to also indicate the Bluetooth connection icon .



2.4 Basic operation

1.Toggle light
Users can operate the light control button to switch the electric bicycle headlights

2.Increase or decrease the boost gear
The user can operate the plus/minus button to switch the assist gear

3.Display lock screen sleep
The user can operate the lock screen button to lock and wake up the display

2.5 Setup Menu

1. Vehicle information
Bluetooth name, MAC address, speed limit, current limit, wheel diameter, software version and other information are involved

2.Display unit setting
User can quickly modify the default unit of the display

3.Startup mode setting
User can quickly modify the zero start mode / non-zero start mode(note: this function is only supported by some protocols)

4.Speed limit setting
The user can quickly modify the maximum speed limit of the vehicle

5.Clear Trip
The user can clear the trip mileage of the display

6. Restore factory settings
The user can quickly restore the factory settings of the display

7. Advanced parameter setting
Some more settings can be set. Advanced parameters need to be entered with a password. Generally not open.

8 Bind display button
Users can use this button to bind and unbind the display. After binding the display, this display can only be connected to this account

2.6 Map interface

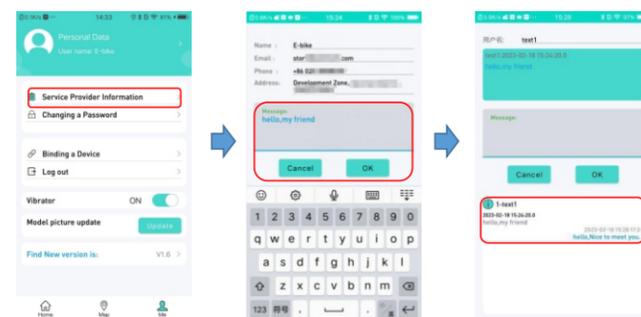
At present, the Map interface can only display the current position, current battery voltage, riding mileage and current speed information. In the future, we will develop cycling records and other functions.



2.7 SMS message function

This APP has the function of SMS message, and end users can communicate with suppliers in short text. It is convenient for users and customers to communicate well and seek services.

- 1 Open the “Me” interface and select “Service Provider Information”;
- 2 Enter the text you want to leave in “Message”. Click “OK” to level a message. The message will be received in the administrator account;
- 3 Administrators can reply to customer message.



2.8 APP version upgrade

When the user finds the words “Find New version is: Vx.x” in the “Me” interface, it means that there is a new version of the APP. You can click to download and install the new version of the APP.

