

REANY

ORIGINAL OPERATING INSTRUCTIONS



REANY

Thank you for your trust!

Dear REANY customer:

Thank you for your trust in REANY. Have fun using the REANY electric bike.

REANY electric bikes are designed to provide you with super easy maintenance, quality and stable vehicles. With a belt drive system and carefully selected components, we were able to minimize the maintenance work of you.

Perhaps riding is the only thing you want to do now, but we suggest you take a moment reading this manual before riding with the REANY electric bike, we will show you some of the things that you need in an e-bike trip riding.

In order to ensure that you can enjoy the high-quality riding experience of electric bikes for a long time to come, please follow the key points and attention points described in this manual.

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1.1 Overview

Your e-bike has received a full quality inspection after completion. For transport, the handlebars are rotated to a suitable position for transport and the pedal is removed.

Bike and all accessories in a box:

- REANY electric bike (including the front wheel)
- Pedal
- Reflector
- Two keys for the REANY battery lock
- The Installation toolkit
- Standard charger (battery charger) , power cable (Europe)

Document

- REANY original operation instructions for the electric bike

Overview

- The Gates Belt ride system
- Rear hub motor
- Removable battery
- Human engineering mechanics

Integrated handlebars

- Grip
- Tail light

1.1.1 REANY V1 vivo



1.2 Important points for you to do

Before you use the new REANY electric bike, please read the specific REANY instructions carefully.

- This instruction book contains detailed information about the REANY bike and our advice.
- Make sure you understand the proper use of electrical system components, maintenance and disposal of your new electric bike.

Road safety

- Do not ride an electric bike without a battery. The battery must be on the bike while riding, otherwise the bike will have no light when needed.
- Check the bike for proper operation, loose parts, and defects before riding. If you find any problems, please visit the professional repair site for repairs before you ride.
- Please note that other road users (cars, trucks, motorcycles) do not expect electric bikes to be different from regular bikes. Riding faster also increases the risk of accidents and causes longer braking distances.
- Please ride under the service conditions specified in the bicycle.

 Please tighten the hub quick release with only 6NM, according to its marked torque reference, so as other screws with values.

Electrical system

- Do not clean the e-bike with a high-pressure washer. High-pressure water may enter into the connectors or other components of the electrical system, impacted or improperly handled to catch fire. If the battery damage is suspected, please visit the dealer immediately for inspection.

Maintain the battery according to the instructions in this e-bike user's manual. Failure to follow these instructions may damage the battery and may require battery replacement:

- After the battery is charged, remove the battery from the charger and remove the charger from the socket.
- Over time, the lithium batteries will discharge automatically. If the battery is not charged and then stored without charging, it may discharge to such a low state that the battery cannot be recharged.
- Store the battery in a dry, well-ventilated position. Prevent the battery from moisture and water.
- In adverse weather conditions, it is recommended to remove the battery from the bike and put it in a protected position.
- The battery can be stored at a temperature between 14° F (- 10° C) and 140° F (+ 60° C). However, to extend the battery life, it is best to store the battery at room temperature of about 68° F (20° C).
- If the bike is not ridden for a long time, do not store the battery on the bike.

 Your REANY e-bike has undergone a comprehensive quality test.

In order to facilitate transportation, some parts will need to be placed in the appropriate position. After unpacking, you must adjust the handlebar, adjust the height of the seat post, and install the pedals.

If you have purchased a REANY e-bike through our dealer, the steps in this section have been completed. If you assemble it yourself, you must be careful to tighten the torque.

2.1 Adjust the handlebar

- Rotate the handlebar 180° (A) .
- Assemble the horizontal handle. Remove the 4 screws on the vertical cover first, Insert the horizontal handle into the slot of the vertical head(B), locking with 4 screws in advance, adjust the horizontal handle to the parallel state, and the two ends of the horizontal handle shall not be too low or too high, and then use a 4MM inner hexagon wrench to tighten the screws diagonally (C).



2.2 Install the pedals

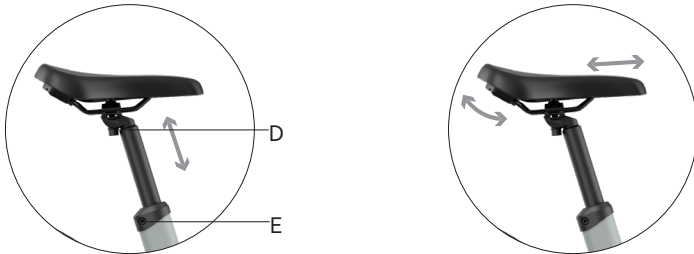
- Pay attention to distinguish the left and right feet, with "L" on the left and "R" on the right .
- Foot with "R" rotates clockwise on the right side, foot with "L", lock with 15MM open wrench.

2.3 Kickstand assembly

First pre-lock the kickstand with screws and tighten with a 5mm Allen wrench.

2.4 Adjust the seat height

- Your saddle height can be adjusted by adjusting the seat post.
- loosen the seat tube screw (E) counterclockwise with the 5MM inner hexagon, ensure that the maximum seat post height is not exceeded. to find the correct height, sit on the saddle and place your foot on pedal (at the lowest position). In this position, your knees should be slightly bent, and if your feet are flat on the ground, your saddle is too low.
- The Angle and horizontal position of the saddle can be adjusted through point (D). If there is anything unclear or need help, please contact us at www.reanybikes.com.
- Tighten the seat screw clockwise .



3.1 E-bike battery charging

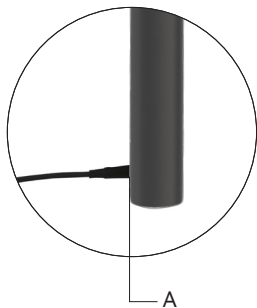
Charging can be done when the battery is also plugged in on the electric bike, or the battery can be removed from the e-bike. To charge the battery, use a dedicated charger from the e-bike.

- **Battery charging**

Start charging when the charger is inserted into the battery, and plug the charging port (A) at the bottom of the battery.

- When the charger is correctly connected for charging, the red light is on, and the green light is on after fully charged.

 Before connecting to the power supply, you need to connect to the charging plug firstly.



3. The first step

Safety of batteries and charging

- E-bike battery and charger do not approach the water and open flame.
- Do not use the battery and the charger for other purposes.
- Do not place the battery in accessible for children and pets.
- Do not cover the battery and the charger while charging.
- If you find an odor or smoke, please stop charging immediately.
- In case the battery catches fire, do not try to put it out with water. Use sand to put out the fire and call emergency calls immediately.

3.2 IPS, matrix 2.0" display

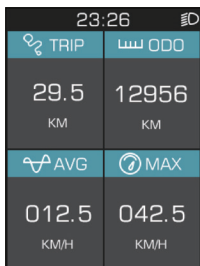
-  • The display should be sent for repair as soon as possible if it does not work properly, otherwise the operation of the system will be affected.
- Although it is designed to be waterproof, but it is strongly recommended that you avoid submerging the display underwater.
- Try to avoid using it in harsh environments, such as heavy rain, snow, and sun exposure

Product description

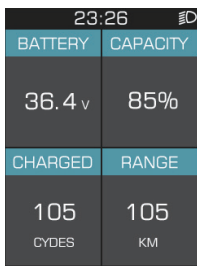
- Operating temperature: -10° C ~ 60° C
- Storage temperature: -20° C ~ 70° C
- Waterproof grade: IP65

Functional interface

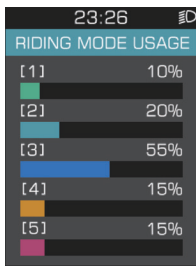
Under the state of basic function interface, rotate display of each function by short press M button. Under any function interface, if there is no button operation within 5S, it will jump back to the basic function interface.



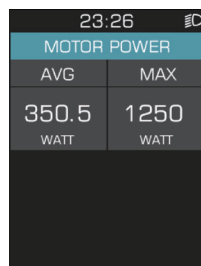
Functional
interface I



Functional
interface II



Functional
interface III



Functional
interfaceIV

Functional interface I

Function interface I mainly displays speed and mileage information, including single mileage, accumulated mileage, average speed, maximum speed, the data in function interface I can be cleared by button operation.

Functional interface II

Function interface II mainly displays battery information, including battery voltage, capacity percentage, accumulated charging times, and remaining range.

Functional interface III

Function interface III mainly displays the usage time statistics of different power modes during riding, which are calculated by the meter according to the actual riding status and shown in percentage data. Boost mode usage time statistics can be cleared by data clearing operation

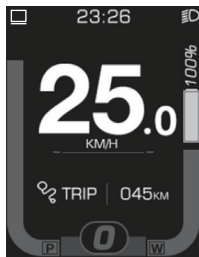
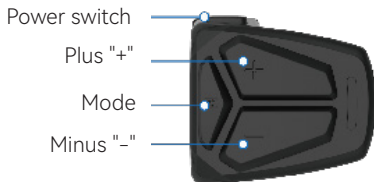
Functional interface IV

Function interface IV mainly displays power statistics, including the average power output of the motor, the maximum power, the rider's power and the proportion of motor power statistics.

Basic Interface and Operation Buttons

When power on, it will display the power on interface for 2 seconds, after establishing the communication connection, the meter will enter the main interface display state.

 Without BMS information, the system does not display the battery percentage and the battery front always lights up ; the rest of the information is displayed in real time.



Power on/off

Long press the power button in the display off state, the display will power on to display the power on REANY interface, and then normally enter the basic interface and start to work; long press the power button in the power on state, the display will turn off. If there is no operation within 5min, the display will shut down automatically.

Assistance level switching

Under the power-on working condition, short press button "+" or "-" can switch the power assisting gear and change the power assisting mode.

Digital gear: 0-5

Display interface switching

Short press M button under power-on state can enter the function display interface in turn and switch the display information. Short press the M button to enter the basic interface in turn, and the function display interface switching in turn. During normal riding, when the speed is greater than 0, if the information display interface is not in the basic interface, and the user has not operated the M button for more than 5S, it will automatically return to the basic interface display state.

Upgrade OTA system

The display supports Bluetooth function, under the premise of cooperating with APP development, the display can realize the function of message reminder and navigation information reminder after establishing Bluetooth connection with cell phone. After successful Bluetooth connection, the icon will be displayed on the upper left corner of the screen. 

Light

The display supports auto light on function, when the whole bike is loaded with battery and turned on, the default is auto light on state, that is, the display automatically detects the ambient light intensity and controls the lights on.

When the lights are turned on automatically, the icon of automatic light on the upper right corner of the displays. 

When the whole bike is loaded with battery and turned on, long press the  button at any time, you can give priority to manually control the turning on and off of the lights.

That is to say, when the lights are not turned on automatically, long press the  button at the same time, you can turn on the lights manually, and the light icon is displayed at the upper left corner of the display interface to indicate the light status, otherwise, the lights will be turned off.

When the lights are on, long press the  button to turn off the lights.

After turning off the lights manually, the auto light on function will also be turned off, and you need to turn on the power again to turn on the auto light function automatically.

When the lights are on, the brightness of the display's screen will be reduced.

Walk assist function

When the speed is zero, press and hold button  to enter the boost assist mode; the interface displays the boost assist icon  and the actual boost speed, and the display area of the assist gear shows the push icon.

After releasing the  button or operating any other button during the boost the boost assist mode will be canceled and the display will return to normal display mode.

Battery capacity indicator

Battery capacity indication and corresponding power output.

The power level information is divided into battery bar indication and percentage of remaining capacity indication. When the battery power is normal, the power display is divided into 1-5 cells according to the change of battery capacity. Before connected with the battery is established at power on, the percentage is not displayed, and the battery displays full cells and flashes at 2Hz. After reading the power value, it stops flashing and displays the power percentage. If connected is still not successful after 3S of power on then it stops flashing and does not display the percentage.

If the battery capacity is lower than 5% of the undervoltage value or the battery voltage is lower than the undervoltage value, the display will prompt "undervoltage", battery indicator will be empty, meanwhile flashing at 1Hz, at the same time, the motor has no power, the support function is ineffective, button pressing has no function, display level shows "OFF". Please charge the battery if undervoltage, making sure that voltage is higher than the under-voltage value "V", battery capacity should be more than 5%, then could exit the under-voltage mode.

Basic Setting Function

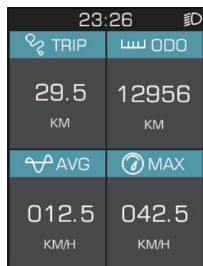
Within 10s after power on, long press M to enter the setting interface, short press , can cycle switch setting interface. Under any setting interface, short press M to enter the parameter editing state, the pickup is the selected state under the parameter editing interface, the blue icon under the selected state indicates the item to be picked up, and the option and parameter value of the selected state will be indicated in white font with gray background. Under the parameter selected state, short press , for parameter modification and editing. Press and hold M to confirm and exit the editing state, press and hold M again to exit to the upper level menu interface.

Under any setting interface, short press M to enter the next level menu, long press M to return to the previous level menu.

Clear data

Data clearing is mainly aimed at clearing data information such as single mileage, average speed and maximum speed.

After 10s of normal power on, when the display is in the function interface display (not the basic interface), long press M button to enter the clear information prompt state, short press ,  key to select the operation content in the pop-up dialog box, short press M key to confirm, then the data information can be cleared. If there is no operation or long press M button in 30s in the pop-up window of clear data, it will exit the data clearing mode.



Subtotal mileage is zeroed after data clearing, average speed and maximum speed are also zeroed; accumulated mileage ODO value is not cleared by any operation on the display side, it needs professional maintenance tool to clear it.

Error codes indicator

The display can alert warnings of vehicle-wide faults, and the display interface displays error codes when a fault is detected. The specific fault code is displayed in the function display area and flashes at 1Hz. When a error code appears, the display only shows the error symbol and error code. If the user operates the M button during the fault condition, the display resumes the main page display. 5S later, it returns to the fault code interface.

4.1 Place and remove the batteries

Remove the rechargeable battery

Always close the electric bike system before removing the battery.

- Turn the key point A in the battery lock clockwise until it stops and remains in that position inside.
- Press the B point at the bottom.
- The hand support battery pulls down out of the groove of the frame and then lifts it away laterally.



Place the rechargeable battery

First put the bottom end of the battery on the guide rail inside the lower tube, and then put the upper end into the lower tube until the sound of stuck. If the battery is not locked and no such a click:

- Check the battery fits with the lock.
- Check that the upper edge of the battery and the lower tube are aligned.



 Take care to avoid damage to the paint on the frame or the battery.

4.2 Charging precautions

There are several ways to charge your REANY electric bike. Depending on the way you often use and store your bikes, you will find your ideal charging plan in the table below.

option	feature
In-bike charging	• Unable to remove the battery • The e-bike is parked in an electric garage / shed
Off-bike charging	• Easy charging on the road (office / travel, etc.) • Park e-bike outdoors

 Average charging time: 4 hours (empty to 95% capacity)

4.3 Charging considerations

- Don't charge the battery when the temperature is below zero, and if your shed doesn't have enough temperature, take the battery out and charge it indoors.
- Do not charge the battery in direct sunlight, and the ambient temperature should be controlled below 40°C.
- Charge it in a dry, well-ventilated place.
- First plug the charging plug into the e-bike or battery socket, and then connect the charger to the power supply.
- After charging the battery, remove the battery from the charger and remove the charger from the socket.
- The charger or the battery is thermal during charging, so don't cover them with anything when charging.

4.4 Use and maintenance of batteries

The proper use and storage of the batteries is very important to keep the batteries healthy. Please follow our instructions for battery maintenance to avoid shortening the battery life.

- Charge the battery immediately when the battery level reaches the lowest point. The battery without charging may be damaged within a few days.
- Charge the battery from time to time, either in the winter or when you're not using it. The battery needs to be charged at least once every two months, but we recommend charging it once a month.
- The power system consumes power (very little) when it is turned off. If the REANY e-bike is not used for a long time, it is recommended to remove the battery from the e-bike and put it in a suitable place.

4.5 Battery range

The total distance traveled on a single charge is called the mileage. The range depends on the battery capacity and the energy consumption of the motor. The exact range of your REANY e-bike is hard to predict because there are many variables that can affect it.

If your cycling range varies from the above values, refer to the following points:

- **RPM/input**

Your pedal speed, or rotation per minute (RPM), affects the predicted range of the total mileage. In general, higher speeds can run farther, so try to switch to lower gear when slow down or climb.

- **Long distance / short distance**

The type of the journey affects maximum mileage, and a long journey will consume less energy than multiple short trips.

- **Weight**

The weight on the e-bike will affect the maximum mileage.

- **Environment effects**

Low temperature has a significant impact on battery life. The battery capacity is tested around 25°C, and the power level will decrease (temporarily). At 0°C, a fully charged battery stores only 70% of its power. The maximum capacity, at -10°C, the fully charged battery can even drop down to 50%, requiring more consideration for a faster shutdown in the winter.

 The life of the battery depends on how much and how often you use it. Ideally, the battery can fully discharge 1000-1500 times, its performance will slowly decline with use, and when the battery reaches its expected life, needs to be replaced.

5.1 The light

 If you ride without the lights in poor visibility, you may not be seen by other road users.

5.2 Brake system

In order to prevent accidents during cycling, please be familiar with the corresponding brake side (front and rear). It is important to never use any lubricating product or cleaning agent on the brake pad or rotor, as he will affect the braking function and cause noise when braking.

 • We recommend that you gradually become familiar with the brake features of your e-bike. So you can prepare for an unexpected emergency stop with the loss of control of the e-bike.

• A complete stop based only on the front or rear brake may be when you lose control of the e-bike, so be sure to use both brakes at the same time.

 Your REANY electric bike comes with hydraulic disc brakes. The left brake lever controls the front brake, and the right brake lever controls the rear brake. Both brakes are used simultaneously to achieve better deceleration, and the wear of both brakes is evenly separated.

It is recommended that the pressure point remain unchanged and the installed hydraulic disc brake system can be self-adjusted to compensate for brake pad wear.

 Locking on the front wheel may cause tipping! Please pull the brake lever with less force.

Adjust both brakes to achieve high deceleration in an emergency, but avoid locking the wheels. During prolonged braking, especially during descent, the brake pads and brake calipers become very hot. Do not touch the rotor or the brake calipers! At risk of getting burns!

5.3 Drivetrain system

High quality belt drive is very suitable for the powerful e-bike motor, the belt drive is quiet, durable, easy to maintain, because the tension is stable throughout the use process.

A properly installed and used belt can last 25,000 km without maintenance or replacement.

 Pay attention to!

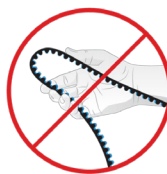
In the danger of damage!



Do not reverse



Do not turn back



Do not curl



Do not use
Belt wrench



Do not reverse



Do not bind



Do not lubricate



Do not break open

- **Maintenance**

Because you don't need to lubricate the belt, it is much cleaner than the chain. Therefore, a chain protection is not required when using a belt drivetrain. If necessary, clean the belt without high pressure and detergent as this may damage other parts of the e-bike.

- **Belt tension**

The key to optimal performance with proper belt tension. If the belt is too tight, it can cause towing or damage the hub. If the belt is too loose, it would skip teeth and slip. If you notice these two effects on the other one, the tension of the belt should be adjusted and contact your dealer to check your belt.

 If there is any belt break or other signs of damage, please contact a professional repair site promptly.

5.4 Tire

The tires of electric bikes use almost all types of terrain and can also have good grip on wet asphalt. Tire pressure has a great impact on the battery range and riding comfort.

 It is always recommended to keep the correct tire pressure, which is reflected on the side of the tire. As a reference, you should be able to slightly press the side of the tire with your thumb.

5.5 Seat post

If the minimum insertion depth of the seat post is not observed, the seat tube may slip or break. Do not shorten the seat post at will.

- Carefully guide the seat post into the seat tube.
- If you feel resistance, stop inserting the tube.
- If it cannot adjust properly, please contact your professional repair point.

 If the seat post is inserted too deep, the component may damage the electric bike system.

6.1 Maintenance

It is recommended that you arrange at least one major inspection for your e-bike each year, with the first complaint check recommended at 250km or, 3 months after purchase. Regular inspections will reduce the possibility of unnecessary damage to e-bike.

 Don't ignore the first inspection service, parts such as cables and spokes are stretched after the first use.

• Cleaning

To make your e-bike look like the new, you can clean him with warm water and soft brushes, and cleaning the bike regularly will also extend the life of the product, please avoid plenty of water near electronic devices and batteries. When cleaning the e-bike, it is best to remove the battery.

- Maintenance

In addition to regular cleaning of E-bike, we recommend that you grease uncoated metal parts with vaseline (spray) to prevent oxidation and rust, drivetrain parts, rollers also require regular greasing or lubricating, you can consult your dealer or contact a professional mechanic.

 Your e-bike, when it is belt ridden, do not put oil on the belt, you can wash the belt with warm water.

- Check up

Check the wear of brakes and brake pads and replace or adjust if necessary.

Check the spoke tension, when you notice the spoke bent or wheel damaged, please contact a professional repair point.

 The handlebar one-side steering is greater than 70°, and the brake line has the risk of fracture.

6.2 Main maintenance

We recommend a small maintenance schedule every three months and an overhaul every year. We list the following items:

Every three months

- Check the hub and tyres (dents on the hub, spoke tension, tire air pressure, tire profile)
- Tighten all, mounting parts / bolts and nuts
- Check the brake wear and adjust the cable tension
- Clean the belt, adjust the belt tightness, and replace the belt if necessary
- Check the electrical system, the battery is fully charged, and the maintenance battery is electric shock
- Check the e-bike drivetrain system for faulty components

Annually

- Remove, degreasing, lubricate and reassemble the belt, bottom bracket
- Check and lubricate the gears, shifters, and brakes
- Check the spoke tension
- Check and recalibrate the tire and adjust the tire pressure
- Provide protective wax for the frame, test ride, check all functions

7 Disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European community directive on waste electrical and electronic equipment, which became European law in February 2003. The main purpose of this directive is to prevent electronic waste. Recycling and other forms of waste recovery should be encouraged to reduce waste. The symbol (trash can) on the product and on the packing means that used electrical and electronic products should not be disposed of with general household waste. It is your responsibility to dispose of all your electronic or electrical waste at designated collection points. Disposing of this product correctly will help to save valuable resources and it is a significant contribution to protect our environment as well as human health. For more information about the correct disposal of electrical and electronic equipment, recycling and collection points please contact your local authorities, waste management companies, your retailer or the manufacturer of this device.

