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OWNER'S MANUAL

E - B I K E

REVOM

OWNER'S MANUAL UPDATES

The following information updates your ebike's Owner's Manual. Please read it carefully. Keep your owner's manual and any other documents that came with your ebike. All content in this update and the manual is subject to change or withdrawal without notice. Visit www.revomebike.com to view and download the latest version. REVOM E-Bike makes every effort to ensure the accuracy of its documentation and assumes no responsibility or liability if any errors or inaccuracies appear within.

WARNING: Incorrect assembly, maintenance, or use of your ebike can cause component or performance failure, loss of control, serious injury, or death. Even if you're an experienced bike rider, you must read and understand the entire manual and any documentation provided for subcomponents or accessories before riding. If you are not sure you have the experience, skills, and tools to correctly perform all assembly steps in the manual and the assembly video at www.revomebike.com, consult a local, certified, reputable bike mechanic.

WARNING: To reduce the risk of injury, close supervision is necessary when the product is used near children.

Guard against rust, water damage, and corrosion

Like any vehicle used outdoors, your ebike needs care to ensure it isn't damaged by the elements. Follow these steps for a long, healthy life for your ebike:

- Store under shelter and in an upright position; avoid leaving the bike in the rain or exposed to corrosive substances such as water, salt, or de-icing substances.
- To clean your ebike, turn the bike and battery off and wipe the frame with a clean, damp cloth. If needed, apply a mild, non corrosive detergent mixture to the damp cloth and wipe the frame. Dry by wiping with a clean, dry cloth. Never use high-pressure water on your bike. Wipe down your bike frequently and wipe or spray all unpainted mechanical parts with anti-rust treatment.
- If painted metal parts become scratched or chipped, use touch up paint or nail polish to prevent rust.
- Never immerse or submerge the bike or any components in water or liquid, which can damage the electrical system.

WARNING: **Damage to your ebike's electrical system caused in any manner, including water intrusion, can lead to battery failure, electrical system malfunction, or electrical fire and consequent property damage, injury, or death**. Follow all recommendations to minimize chance of water damage. If you have any questions, contact REVOM E-bike Product Support.

Additional precautions regarding electrical components

WARNING: Using a damaged battery or charger can create additional bike damage or a fire hazard. Stop using your battery and charger and contact Revom Ebike immediately if any of the following occur: (1) Your charger's flexible power cord or output cable or any of the electrical cables on your bike is frayed, has broken insulation, or any other signs of damage, (2) Your battery or charger is physically damaged, non-functional, or performing abnormally, (3) Your battery or charger experienced a significant impact from a fall or crash, with or without obvious signs of damage, or (4) Your charger becomes too hot to touch (it's designed to get warm with normal use), makes a funny smell, or shows other signs of overheating. Store any damaged battery or charger in a safe location and, as soon as possible, recycle or otherwise dispose of it according to local rules. Contact Revom EBike if you have any questions or to purchase a compatible replacement battery or charger.

How the electrical system works

This ebike is equipped for a rider to use power assistance from the motor to propel the bike forward: a pedal assist system (PAS) . And the shift throttle can be helpful to start with Max speed at 6KM/H.

HOW PEDAL ASSIST WORKS

The rider can engage the pedal assist system (PAS) while pedaling, and it will call up assistance from the motor to help propel the bike forward. Pedal assist uses a cadence sensor built into the drivetrain of the bike. The sensor detects when the rider revolves the pedals and signals the electric motor to provide the level of pedal assistance (PAS 0-5 on most models) that has been selected.

HOW THE THROTTLE WORKS

The throttle is located on the right side of the handlebar. The rider can use it with a shift of the throttle to propel the bike forward without pedaling when speed level is at 1-5.
To engage the throttle while riding, slowly and carefully rotate it toward yourself.
if not needed, please turn off the bike to prevent accidentally engaging the throttle.
Please note that the max speed of throttle is only 6KM/H as per UK safty regulations.

MAGI PRO

REVOM E-BIKE OWNER'S MANUAL

Welcome!

Thank you for purchasing the MAGI PRO from REVOM E-BIKE!
We take pride in bringing you a quality product that will offer years of enjoyment. Please read and understand this manual fully before assembling and riding your bike.
If you're not sure you have the skills, experience, and special tools required for assembly and maintenance, get help from a local, certified, and reputable bike shop or mechanic.

We are here to help!

If you have questions after reading this manual and watching the assembly video, please consult the Revom E-Bike Help Center, contact us by email or visit Revom website.
Thanks for riding Revom Bikes!

Revom E-Bike Help Center:https://www.revomebike.com/contact-revomebike
Email: info@revomebike.com

Table of Contents

Using this Manual

This manual contains critical details about how to safely operate and maintain your MAGI PRO. Read it carefully and familiarize yourself with your ebike before riding it. Pay special attention to the safety messages shown here.

NOTICE: A "notice" is important information that can help you avoid bike/property damage or extend the life of parts and the bike.

WARNING: A "warning" statement indicates a hazardous situation that, if not avoided, could result in death, serious injury, or property damage.

CAUTION: A "caution" statement indicates a hazardous situation that, if not avoided, could result in minor or moderate injury or property damage.

DANGER: A "danger" statement indicates a hazardous situation that, if not avoided, has a very high risk of death, serious injury, or property damage.

Riding any bike or other vehicle always involves some risk of serious injury or death. Your safety depends on many factors including your bike knowledge, your bike's maintenance, foreseeable riding conditions, etc. There are also factors we cannot control or anticipate in every situation or condition while riding. This manual makes no representations about the safe use of bikes under all conditions. If you have any questions you should contact Revom E-Bike immediately.

Assembly and first adjustment of your bike from Revom E-Bike requires special tools and skills. We recommend that you have this done by a certified, reputable bike shop or mechanic.

Assembly Instruction for the MAGI PRO

WARNING: Incorrect assembly, maintenance, or use of your MAGI PRO can cause component or performance failure, loss of control, serious injury, or death. Even if you're an experienced bike rider, **you must read and understand the entire manual and any documentation provided for subcomponents or accessories before riding.** If you are not sure you have the experience, skills, and tools to correctly perform all assembly steps in the manual, consult a local, certified, reputable bike shop or mechanic.

1. Unpack the bike. Open the bike box and, with the help of another person capable of safely lifting a heavy object, remove the MAGI PRO from the Carton, placing it upright on the back wheels and front fork protector plate. Carefully remove the packaging material protecting the bike frame and components, and keep the packaging materials in case you want to ship the trike. Otherwise, recycle these materials, especially cardboard and foam, wherever possible. Carefully place the handlebar on the ground in front of the front fork. Take out the small bag from the Trike carton and carefully set out the contents. Ensure all of the following pieces are included with the MAGI PRO:

Box Contents:

1 x Bike with Rear Wheels ,hanelbar and stems attached
1 x Front Wheel
1 x Front fender and mounting hardware
1 x Headlight
1 x Front wheel quick release
2 x Pedals (Left & Right)
1 x Lithium Battery
2 x Battery cover keys (on select models)
1 x Battery Charger
1 x Saddle
1 x Assembly Tool Kit Bag

If anything is missing, please contact Revom E-Bike.

We also recommend the following (not included) for assembly and maintenance:

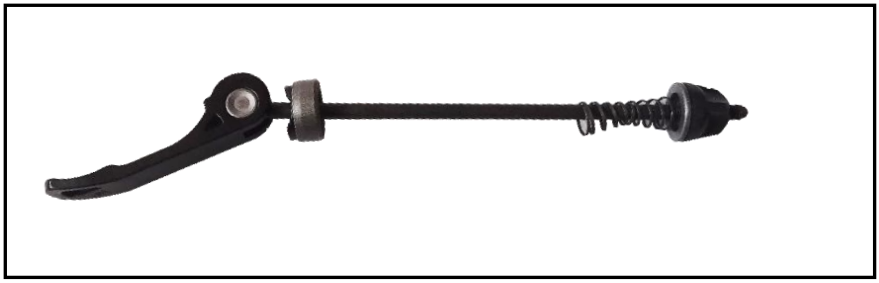
- A strong friend
- Flat-side cutters
- 15 mm pedal wrench
- Bicycle grease
- Clean shop towel or paper towel for cleaning excess grease
- Bike pump with Schrader valve and pressure gauge
- Torque wrench (3 Nm-60 Nm) with Allen bits

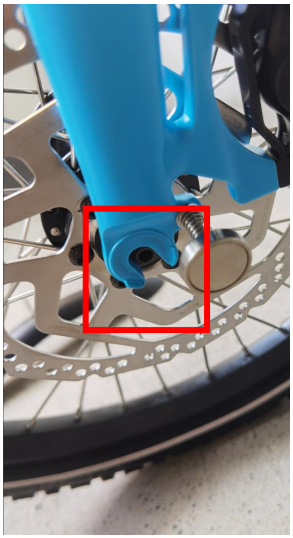
What you can see when you open the box!

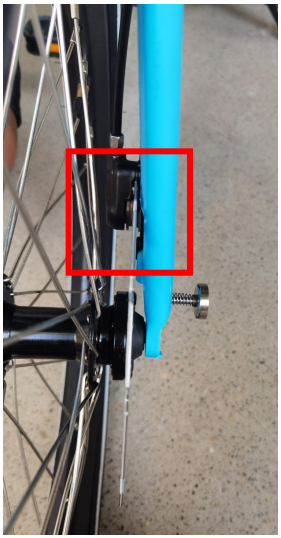
2. Assemble the Bike: Front Wheel

Find the front wheel quick release pin in the tool bag, place the front wheel onto the fork. Make sure the brake disc is properly inserted into the brake calliper.

Fit the quick release pin through the middle of the wheel, tighten the nut and hold the lever in an upright position as shown in the picture below. Once tight push the lever in to secure the wheel.

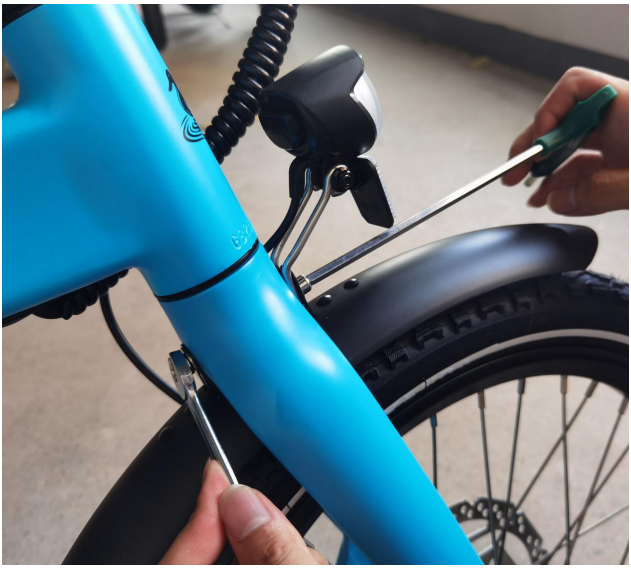






3. Assemble the Bike: Front mudguard and front light

Remove the bolt from the front of the fork and place the mudguard and front light in front of the fitting. Then reinsert the bolt and secure the mudguard in place using the 5mm Allen key provided. Connect the light wire to the front light.



4. Assemble the Bike: Handlebars

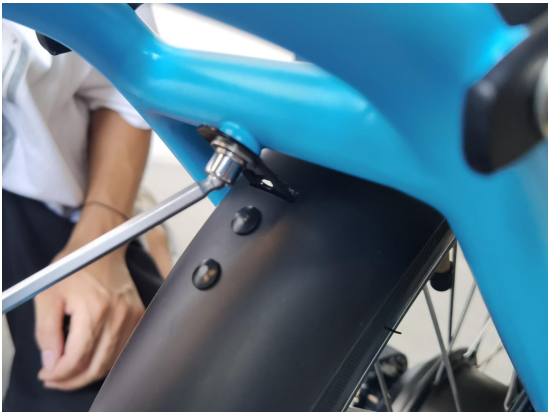
1. Place the stem onto the folding steerer tube, and make it up and straight.
2. Lock the folding stem as below picture show.

STEP 1

STEP 2

5. Assemble the Bike: Rear rack and rear mudguard

1. Remove the bolts from the rear of the bike and place the rear mudguard and rear rack in correct position. Then reinsert these 5 bolts and secure the mudguard in place using the 5mm Allen key provided.



6. Assemble the Bike: Saddle

First, find out the battery and the saddle, then fit the saddle to the battery like the below picture show, make sure the saddle on the correct position and angle, and then tight the screw.

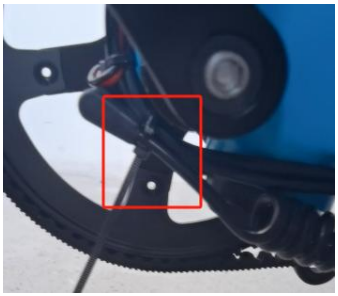
7. Assemble the Bike: Battery

1. Find the key for the seat post clamp, and release it. Then put the battery into the seat post like the below pictures show.



2. Connect the battery wire as picture show, and then tidy all wires, tie the wires up by black wire ties in tool bag.



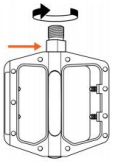
8. Assemble the Bike: Pedals

Each of the 2 pedals is marked on the bottom to identify right (R) and left (L).

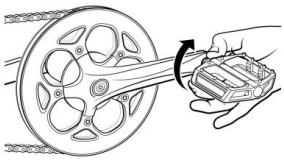
To connect the pedals to the e-bike, place the left pedal into the left pedal arm and the right pedal into the right pedal arm (left and right directions are determined by sitting on the e-bike). Tighten each pedal using a pedal wrench to avoid damage caused by wider wrenches.

Make sure you check the pedals are tight and secure before riding.

Right pedal installation

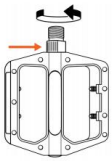


Right pedal with smooth pedal axle.

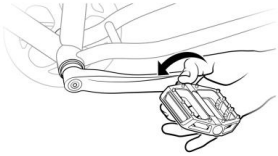


Thread the right pedal onto the right crank gently by hand, turning clockwise.

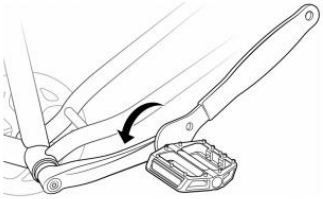
Left pedal installation



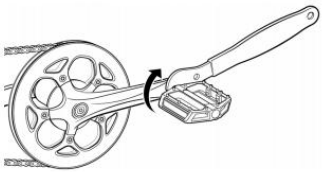
Left pedal with notches on the pedal axle.



Thread the left pedal onto the left crank gently by hand, turning counterclockwise.



Pedal wrench on left pedal



Pedal wrench on right pedal

9. Assemble the Bike: Tire Pressure

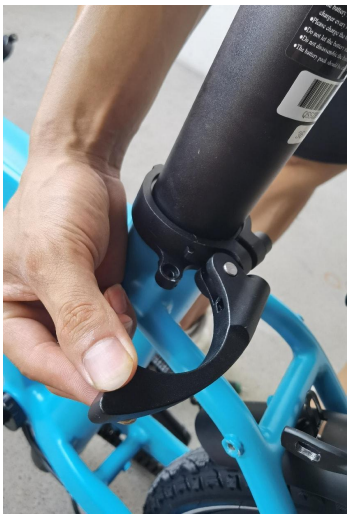
- Using a hand pump, fill the tires with air to the rating on the sidewall. We recommend a hand pump to avoid over inflating the tires, which can easily happen when using a high pressure air line at a gas station or automotive tire store.
- The tires are rated for a maximum of pressure of “450 kPa” or “65 PSI”.

CAUTION: The tires have NOT been filled with air to the correct capacity for shipping purposes.

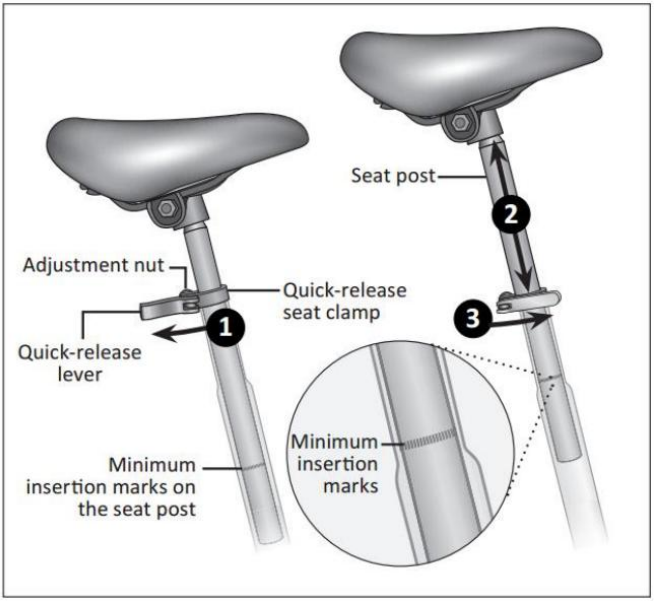
10. Assemble the Bike: Seat Installation

Seat Installation

- Screw the seat onto the seat post.
- Slide the saddle post into the seat tube.
- Align the seat with the frame to make sure it is straight.
- Tighten the seat clamping lever.



Important! Be sure the minimum insertion marks do not go past the top of the seat clamp and are not visible.



DANGER:

A loose seat clamp or seat adjustment bolt can cause loss of control, bike/property damage, serious injury, or death. Regularly check to make sure that the seat adjustment bolt is properly tightened and the clamp is secure on the seat rails.

Revom Operation: Battery Removal & Installation, Precautions, Charging, and Storage

WARNING: Fully charge the battery before the first use! Failure to do this can result in decreased battery performance for the life of the bike and void your battery warranty! Do not attempt to open or repair your battery or charger. If you need another battery or charger contact your dealer or Revom Bikes! Do not touch the battery sockets or blades with your hands, any metal object or other material that conducts electricity! Never put the battery or charger in reach of children! Do not use any charger except the one that came with your Revom Bikes!

- The battery should be fully recharged after each use. That way, you'll get the maximum range on your next ride and reduce the chance that you'll over-discharge the battery, which can reduce its lifespan. There is no memory effect on this type of battery, so charging after short rides will not cause damage.
- Charging the battery after a ride generally takes 3 to 7 hours. In rare cases, charging may take longer to allow the battery management system to balance the battery, particularly when the bike is new, after long periods of storage, or if the battery has been completely depleted.

Battery Removal & Installation

You can use the key for the seat post clamp to take the battery off the bike, remember to disconnect the battery wire on the bottom first.

Charging the Battery

The supplied battery is a lithium-ion chemistry. Check to ensure that the charger voltage is correct for your battery. The 48v charger should read “Output 55VDC 2A”. The 36v charger should read “Output 42v2a”. Only use a wall receptacle with a grounded circuit to plug your charger into.

DANGER: Never charge the battery outside in wet weather, as there is a chance of electrical shock.

- Turn the key to “OFF” and remove the key from the battery.
- Locate the charging port on the battery and remove the rubber dust cover.
- Insert the round plug of the charger into the battery charging port.
- Insert the battery charger plug into a 120Volt wall socket receptacle with a grounded circuit. Do not use an extension cord. The light on the charger should illuminate to steady red.
- When the light on the charger changes to a steady green, the battery is charged. Unplug the charger from the wall receptacle and then from the bike battery. Always disconnect the plugs in this order. The charger will become warm during charging so keep the charger away from any flammable materials.

The charger may reach temperatures up to 185°F/85°C during normal charging. Never enclose the charger or put anything on top of it when charging. The charger must be well ventilated. If the charger emits a peculiar smell or the temperature is too high, stop charging immediately. Do not drop or damage the charger.

Avoid any contact with water when charging your battery. If a plug or socket gets wet, dry it completely before using. Always use the charger according to the instructions. Improper use or attempting to open/ repair the charger will void your warranty.

You can charge your battery either when it’s on or off your bike.

Long Term Battery Care

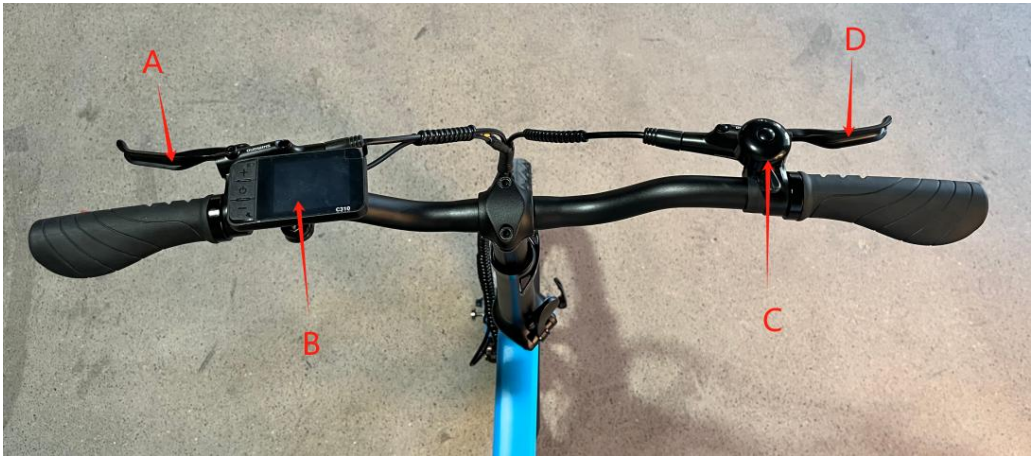
When storing your battery for a long period of time (more than 60 days):
Charge the battery to about 75%, then recharge every 60 days as needed to maintain this level. Allowing your battery to sit for longer than 60 day periods in a discharged state could lead to permanent capacity loss and void your warranty.
• Ideally batteries should be stored between 50°F/10°C to 80°F/27°C. Avoid long periods of freezing and extreme heat, 104°F/40°C or higher.
• Do not leave the battery in direct sunlight for prolonged periods of time.
• Keep the bike in the shade during summer months.
• Store the battery in a clean dry location with low humidity conditions.
• Do not allow the battery to accumulate condensation such as dew, heavy fog or rain, as this could cause shorting.
• Do not clean or wash the battery with pressurized water; wipe with a damp cloth only and towel dry completely.
• Do not connect the battery to the bike in wet conditions.
• Do not submerse the battery in water.

Extending the Life of Your Battery

To help extend the life of the battery, assist the bike as much as possible. A few tips to prolong the battery life during certain conditions are as follows:
• Always turn your battery key “OFF” after each use, as the electrical system will still draw minute power from your battery.
• Charge the battery. If possible, before using 50% of the power.
• When starting from dead stop, use the pedals to bring the bike up to speed.
• When riding uphill or against the wind, pedal to supplement the battery power.
• When the battery meter indicates the voltage is low, switch to the lowest pedal assist mode or 0 to avoid using the battery and shortening the battery life.
• Do not ride your bike in heavy rain storms, thunder showers, or extreme conditions.
• When riding downhill, you must have the Controller “ON”, as the rear hub motor will generate electricity.
• Store your battery in a location with a temperature above 50°F/10°C for best results.

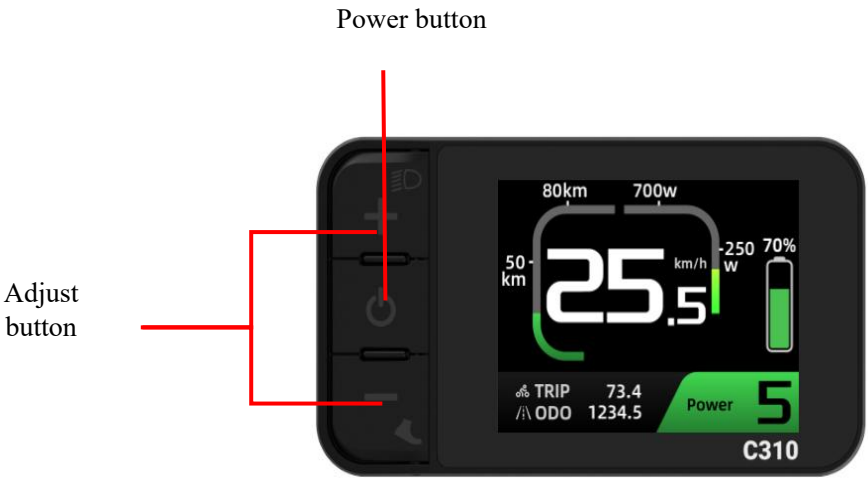
Revom Operation: System and Display

Handlebar features



A	Left brake lever (for front brake)
B	LCD display
C	Bell
D	Right brake lever (for rear brake)

LCD display and electric controls



- Power button: Long Press to on/off system power. Short Press in setting operation to select or confirm changing the setting item;
  Adjust buttons + / −: Short Press + or − to adjust the assist level during cycling. Long Press + and − to enter the parameter setting operation. Short press + or − to change the setting item or its value during setting operation.

- Three ride modes available:

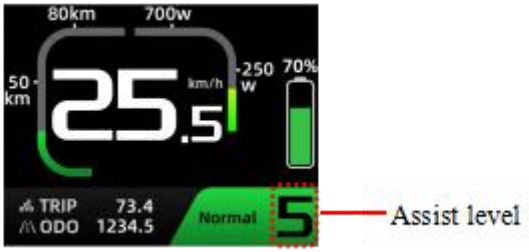
ECO NORMAL POWER

● Turn on/off

Short press power button at power off state, C310 will be power on and show logo 2 seconds, then switch into the basic function screen and start work; in power on status, long press power button to shut down system. If the rider has no any operation within the set turn-off time, and the speed is 0, and the bus current is less than 1A, the C310 will automatically power off.

● Assist level switch

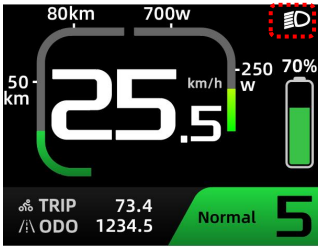
In power on state, at basic function screen, short press + or − button can change the power assist level, and the adjustable range is 0-5.



Short press + button to increase assist power, and short press − button to decrease assist power.

● Front light function

When the battery is loaded into the vehicle and the vehicle is powered on, long press ✚ button to turn on the headlight. At the same time, the indicator icon will be displayed on the instrument interface to indicate the light on state, and the instrument will display the normal function state. Long press the ✚ button again to turn off the headlights.



Light on

● Walk assist mode

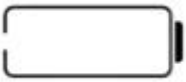
When assist level is not zero, long press button ━ to start walk assist, the motor outputs power according to the set push speed value and controls the a ctual push speed. C310 shows the walk assistant icon at right bottom position on screen. Walk assistant is in-active after releasing button ━, C310 recovery to normal display, the walk assistant active screen as follow:

Walk assist

● Battery capacity indicator

When the battery capacity is less than 5 % or the battery voltage is lower than t he under-voltage value, the battery indicates shows 0 grid, the battery frame flashes at 1 Hz.

Battery capacity percentage and icon corresponding table is as follows:

Percentage	Battery bar instructions	Explained
80% ≤ SOC		Display full 5
60% ≤ SOC < 80%		Display 4
40% ≤ SOC < 60%		Display 3
20% ≤ SOC < 40%		Display 2
10% ≤SOC < 20%		Display 1
5% ≤ SOC < 10%		Display 0
0% ≤ SOC < 5%		Display 0, And the battery symbol flickers at 1Hz

● Error information

After starting up, in the basic function interface, when a fault occurs, the error code is often displayed.

The error code shows as follows:

Error Code Definition				
Error code	Definition		Error code	Definition
E021	Current failure		E024	Hall failure
			E025	Brake failure
E023	Motor phase failure		E030	Communication failure

● Notes

a. In the use of the display, pay attention to the security, do not plug the display in and out the when the power is on.
b. Try to avoid use exposure in harsh environments like heavy rain, heavy snow, and strong sunlight.
c. When the display can't be used normally, it should be send to repair as soon as possible, Otherwise it will affect the normal operation of the system.

Revom Operation: Pre-Ride Checklist & Usage

“10 Point” Check List - Before your First Ride and Every Ride After

1. Battery is connected, locked, and charged.
2. Electrical devices, including front and rear safety lighting, are working correctly.
3. All nuts and bolts are tight.
4. The front and rear wheels are secured to the bike frame and cam locks are tight.
5. The tires are filled to the correct pressure, indicated on the tire side wall.
6. The brakes are adjusted and operating correctly.
7. The seat is locked and the seat stem is adjusted to the correct height.
8. Handlebars are tightened firmly.
9. Chain and crank arms run smoothly and are lubricated.
10. The rider is wearing appropriate high visibility reflective clothing, helmet, and eye protection.

Usage

- Wear shoes that grip firmly to the pedals, no bare feet.
- Wear high visibility clothing no loose clothing and dress to be seen.
- Wear an approved bicycle helmet and eye protection.
- Keep your speed levels appropriate to road conditions and speed limits.
- Ride slow on wet or slippery surfaces and brake sooner than anticipated.
- Be alert and highly visible at night or in poor weather conditions.
- Familiarize yourself with usage of the bike and know how to maintain it.
- Be familiar with traffic signs, rules and laws, and be aware of other traffic.
- When possible, ride in bike lanes and in the correct direction of traffic flow.
- Do not ride on the sidewalk and dismount when using pedestrian crossings.
- Keep both hands on the handlebars when riding.
- Keep in mind that other traffic may underestimate the speed of an electric bicycle.
- Ride defensively, keep alert, and have fun!

This is a powerful electric assisted bicycle and special care must be taken when riding. You will be riding faster than you think!

Because the bike can quickly reach high speeds, you need to exercise caution when operating this E-Bike. Even though you may be an experienced bicycle rider, your first ride should be in an area without traffic or other hazards.

We suggest that you ride the bike as a bicycle with no power assist turned on (set “ASSIST” to “0”), to familiarize yourself with the bike’s extra weight. Test the bike’s braking ability to determine your stopping distances. Once you become confident in your riding ability, set the assist level to the lowest setting, Level 1, and begin riding the bike.

Revom Operation: Troubleshooting

SYMPTOM	DIAGNOSIS
Display do not work:	Display has bad connection. Controller is defective. Long press the switch to power on the display.
Display is “ON”, motor will not start:	“ASSIST” is set to 0. Battery level is too low. Brake lever is slightly depressed. Controller is defective.
Motor has low power:	Check tire pressure Check brake calliper is sticking closed. Check battery is charged.
Head light will not turn on, but Display backlight works:	Wire is loose or disconnected at light. LED’s in head light are defective.
Charger is plugged in, but green or red LED indicator light does not illuminate:	Check the wall receptacle; move to another and retest.
Charger is plugged in, but will only show green light “ON”:	Battery is fully charged. Charger fuse may be burnt.

If the above symptoms do not relate to your malfunction, please call REVOM BIKES or your local E-Bike shop for assistance.

Revom Operation: Care & Maintenance

Transporting an Electric Bicycle

Caution: Make absolutely certain that the bike rack on your car is suitable for the increased weight and the frame style of your Volton E-Bike. A rack that is not suitable for the increased weight can be damaged or even break during the transport. Remove the battery and protect the electronics from inclement weather, your motor and system connections should be protected from the elements. Also remember that most commercial flights will not accept a lithium battery even when installed in the bike.

Maintenance

Squeeze the brakes and rock the bike to check for any looseness with each forward or backward movement.

Look at the headset, brake disc and callipers, wheels, wheel nuts, forks, pedals and crank, and saddle. Check cables for rust kinks and fraying. Squeeze the spokes in adjoining pairs between your thumb and index finger to confirm they have the same tension.

Wheels

Check the wheel nuts are secure and tight by removing the plastic caps and inspecting.

Rims

Spin the wheels and check for side to side wobble and up and down oblongata. The wheels when true will not have more that 1.0mm on each side or up and down. Wheels should only be adjusted by certified mechanics.

Spokes

Check for damaged stainless spokes regularly. Replace broken bent or fatigued stainless spokes with manufacture's suggest spokes only

Tires

Check tires for cuts or punctures and ware. Tire pressure should be adjusted as per the sidewall specifications.

Chain

The chain should run smoothly when clean and lubricated. Lubricate the chain regularly at least every 3 months or after a wet ride

Brakes

Check the brake pads for wear. They are held into the calliper magnetically. Pads can be removed by grasping the pad end tab and lifting the pad clear of the piston pin and then maneuvering it out of the rotor slot in the calliper body. If they have worn to the point where the calliper piston pin-positioning hole goes all the way through then they need to be replaced.

Adjust cables as needed to increase braking power. Check the brake cable tension and adjust by either using the adjusting screws on the brake levers or the adjusting screws at the brake callipers, or retention the cable with the cable adjuster bolt/ nut clamp.

After riding remove any mud or other contamination from the rotor slot in the calliper. Clean the calliper body and rotor slot with brake cleaner and lubricate the brake lever pivot with thick oil or grease. Check to make sure that all bolts are tightened to torque specifications.

Care and Cleaning

Never use a high pressure washer or a garden hose to clean your bike. The force of the water jet could damage the electrical components. We recommend a soft cloth or brush to clean the bike. Use a moist cloth to clean the battery and docking station. Always use very little water and keep water away from the electrical contacts.
Check the plug-in connections for moisture after cleaning and let these dry if necessary before using or charging the bike.

Keys for the Battery

Keep the keys to your E-Bike in a safe place! Each set of keys are unique to your bike only and unfortunately we do not keep a copy of your key on file or have a way of reproducing your exact keys. If you lose your set of keys you may require a locksmith to replace the complete locking mechanisms.

Register your warranty

To register your warranty, go to https://www.revomebike.com/warranty-registerform or scan the QR code below.

To register your warranty, you will need to know your frame serial number and battery serial number. The frame serial number is located on the front of the frame behind your front light. The battery serial number is located on the side of the battery. This is found by removing the battery from the frame. The serial number will normally be 15 digits.

All REVOM bikes are covered under a 2-year limited warranty. Please fill out the warranty form on our website to obtain a 2-year warranty for your Revom E-bike.