



# KINGBULL DISCOVER

## Owner's Manual



[www.kingbullbike.com](http://www.kingbullbike.com)

## About Manual

Thank you for purchasing the Discover from Kingbull E-Bikes! This user manual will help you assemble and operate your new electric bike. Be sure to read all of the information in this manual before riding. Discover Unboxing Video:

[https://www.youtube.com/playlist?list=PLa66A0\\_Nqd1ISjajt5NAXQa3YqGF5P5VE](https://www.youtube.com/playlist?list=PLa66A0_Nqd1ISjajt5NAXQa3YqGF5P5VE)

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 mechanic. If you encounter any problems in the installation or use, please contact Kingbull E-Bike customer support team.

### **NOTE TO ALL RIDERS UNDER 18 YEARS OF AGE:**

It's very important that you get parental permission before riding your electric bike.

## How To Contact Kingbull Ebike Support Team

WhatsApp: (213) 588-4335

E-mail: [customers@kingbullbike.com](mailto:customers@kingbullbike.com)

Kingbull Web: [www.kingbullbike.com](http://www.kingbullbike.com)

**NOTICE:** Please attach the details of your order such as order number and the platform you buy when you contact us.

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## **Safety Notice**

1. Always wear an approved bicycle helmet whenever riding a bike. Failure to wear a helmet when riding may result in serious injury or death.
2. Never operate a bike while under the influence of alcohol, drugs, or any substance or condition that could impair motor functions, judgement, or the ability to safely operate a bike or another vehicle.
3. It is your responsibility to familiarize yourself with the laws and requirements of operating this product in the area(s) where you ride.
4. Failure to properly charge, store, or use your battery will void the warranty and may cause a hazardous situation.
5. Do not ride under wet conditions. The electric bike may slide from under your feet causing injury. Wet conditions may damage the electronics and void the warranty.
6. Please keep the battery key carefully, losing the key will cause the battery can't be locked.

## Warning

01. Avoid water - The electric bike is not waterproof. The electronics may be damaged due to water and water damage is not covered by our warranty. Riding in wet conditions is also very dangerous and may result in injury.
02. Avoid prolonged exposure to sun or rain and avoid storage in places with high temperatures or corrosive gas.
03. Abuse - We do not cover physical damage due to negligent care and extreme riding.
04. Whenever you ride the Kingbull Electric Bike, you risk severe injury or even death from loss of control, collisions, and falls. Use caution and ride at your own risk.
05. Do not modify the product from the manufacturer's original design.
06. Do not exceed the posted speed limit and obey all traffic laws.
07. Avoid touching the charging port directly and do not let it make contact with a metal object.
08. Keep hands and all body parts away from moving parts while operating the electric bike.
09. Before riding - Be sure to check the electric bike over and make sure the electric bike is operating correctly before each use.

10. Before riding - Be sure to check that the braking system is functioning properly; also be sure to check that all safety labels are in place and you understand the safety warnings.
11. Before riding - Be sure that any and all axle guards, chain guards, or other covers or guards are tightened and fixed.
12. Never exceed the 400 lbs (181kg) maximum load rating.
13. The electric bike should never be used by children under the age of 18.
14. Maximum Speed - Your electric bike goes at a maximum speed of 28 mph.
15. Make note that additional insurance may be required to cover situations you encounter while riding an electric bike. It is recommended that you contact an insurance company or broker for advice and consultation.
16. To conserve electricity, use assist mode and avoid zero starting, frequent braking, driving against the wind, carrying heavy loads including other people, and riding with insufficient air pressure.

# Package Content













## Unboxing



Incorrect assembly, maintenance, or use of your ebike can cause component or performance failure, loss of control, serious injury, or death. If you are not sure you could correctly perform all assembly steps in the manual, consult a local, certified, reputable bike mechanic.

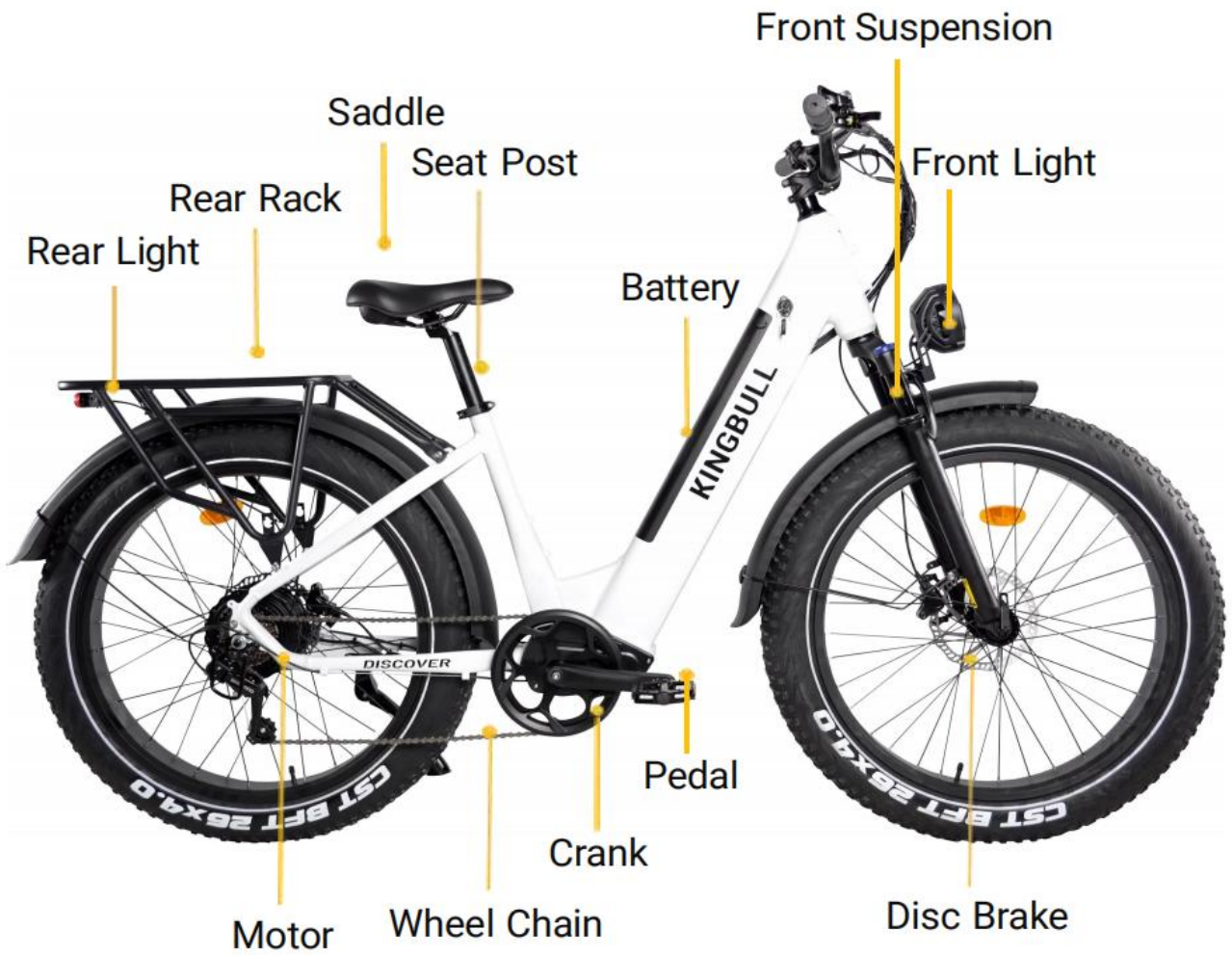
Carefully check package contents, if anything is missing or damaged, please contact Kingbull customer service for support: [customers@kingbullbike.com](mailto:customers@kingbullbike.com)

Unpack the bike. Unbox the package and remove the small box that contains the display inside in case of any damage occurs. With the help of another person capable of safely lifting a heavy object, remove the Discover from the package. Take the assembled toolkits, charger, and manual out. Carefully remove the packaging material protecting the bike frame and components. Please recycle packaging materials especially cardboard and foam whenever possible. Open the small box and carefully set out all contents.

 <p>Electric Bike*1</p>	 <p>User Manual* 1</p>	 <p>Rear Rack* 1</p>	 <p>Headlight*1</p>
 <p>Front Wheel* 1</p>	 <p>Quick Release Screw *1</p>	 <p>Fender*2</p>	 <p>Charger*1</p>
 <p>Battery* 1 Key*2</p>	 <p>Pedals*2</p>	 <p>Tail Light*1</p>	 <p>Tool Kit*1</p>



# Product Overview



# Specification

ITEM	SPECIFICATION
Model	Discover
Product Dimensions	190*70*118 CM
Package Dimensions	153*28*85 CM
Max Load	400 LBS
Package Weight	95 LBS
E-Bike Weight	77 LBS
Max Speed	28 MPH
Battery/Charger	48V 17.5AH/3A Input 100-240V 50/60Hz Output 54.6V 2.8A
Pedal-Assist Mode	30-65 Miles
Pure Electric Mode	25-30 Miles
Max Angle of Climb	30 Degrees
Charging Time	4~5 Hours
Tire Pressure	25-29 PSI
Frame Material	Aluminum Alloy

# Assembly



Incorrect assembly, maintenance, or use of your ebike can cause component or performance failure, loss of control, serious injury, or death. If you are not sure you could correctly perform all assembly steps in the manual, consult a local, certified, reputable bike mechanic.

## Handlebar



1. Use the Allen wrench to unscrew the four screws on the face plate.



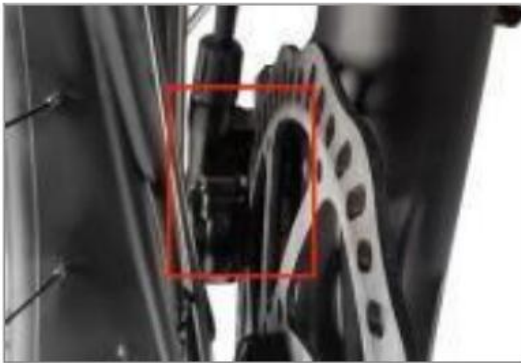
2. Center the handlebar and tighten the four handlebar stem faceplate bolts evenly and part way.



3. Adjust the handlebar to a position perpendicular to the front wheel and tighten the screws on the stem.



## Front Wheel



1. Carefully lift the front of the bike and lower the fork onto the wheel so that the brake rotor enters the caliper, between the brake pads, and the axle enters the fork dropouts fully.

**\*Remove fork protective cover and take out plastic insert from front wheel brake caliper.**



2. Put the quick release screw through the front wheel. Ensure both cone springs point inward. Keep the lever open and thread on the thumb nut a couple of turns. Hold the quick release screw in line with the axle and tighten the thumb nut until the lever can stay parallel to the floor without being held.

**\*Make sure not to touch the brake rotor.**

## Fender/Headlight



1. Unscrew the corresponding screws on the front fork.



2. Install the fender/headlight mounting hardware through the headlight bracket, fender, and fork thread in the bolt to attach the fender mounting bracket to the mounting point on the back of the fork, then tighten securely.



3. Plug in the headlight connector. Line up the internal notch and pins and external arrows, and press directly together without twisting.

## Pedals



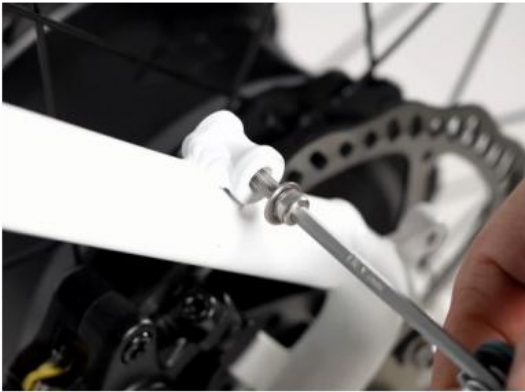
The right pedal is marked with an "R", and has a smooth pedal axle.



The left pedal is marked with an "L", and has notches on the pedal axle.

**Notice:** Gently by hand without cross-threading or damaging the threads.

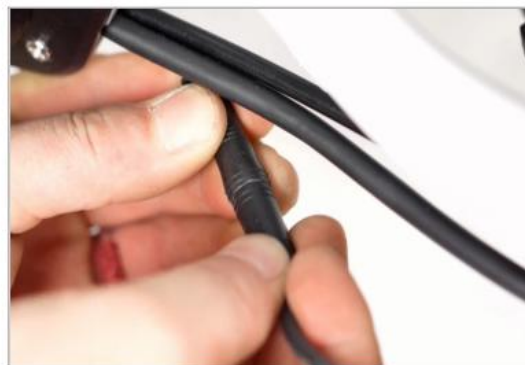
## Rear Rack & Taillight



1. Unscrew the four screws on the rear frame.



2. Align the rear rack with the holes and tighten the four screws.



3. Follow the directions of the arrow to connect the taillight.

## Adjusting the Seat



1. Untighten the quick release lever by swinging the lever open and outward fully.





2. Move the seat up and down by sliding the seatpost in or out of the seat tube. **DO NOT** raise the seatpost beyond the minimum insertion marking etched into the seatpost tube.



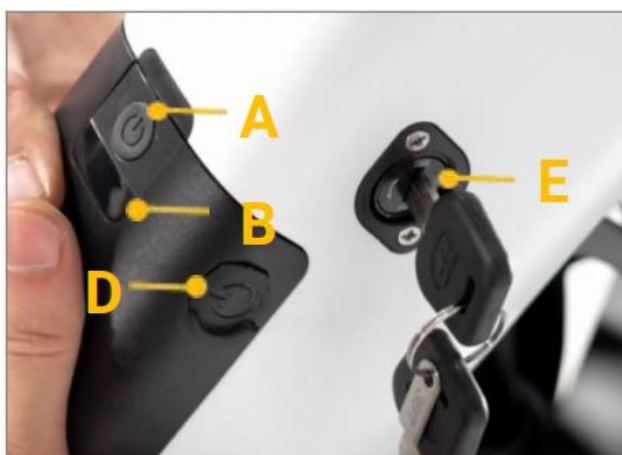
3. Adjust the seat and the head of the seat is parallel with the top tube.



4. Close the quick release lever using your palm or finger.

## Battery Use & Protection

**WARNING:** Incorrect assembly, maintenance, or use of your ebike can cause component or performance failure, loss of control, serious injury, or death. If you are not sure you could correctly perform all assembly steps in the manual, consult a local, certified, reputable bike mechanic.



A	Battery button (activates charge-level lights)
B	Charge-level lights
C	Battery charging port
D	Battery On/Off switch (O--OFF; I--ON)
E	Key (LOCK: Battery not can be removed, key can be removed. OPEN: Battery can be removed, key not can be removed)

**WARNING:** There are 4 of indicators, 3 green light and 1 red light. If there is only one red light, please charge the battery.





## How to Take Care The Battery

Check the charger, charger cables, and battery for damage before each charge.

The battery will be locked if the keys are lost and you will not be able to use, make sure you always have a copy of the key since Kingbull does not have any copy of the keys.

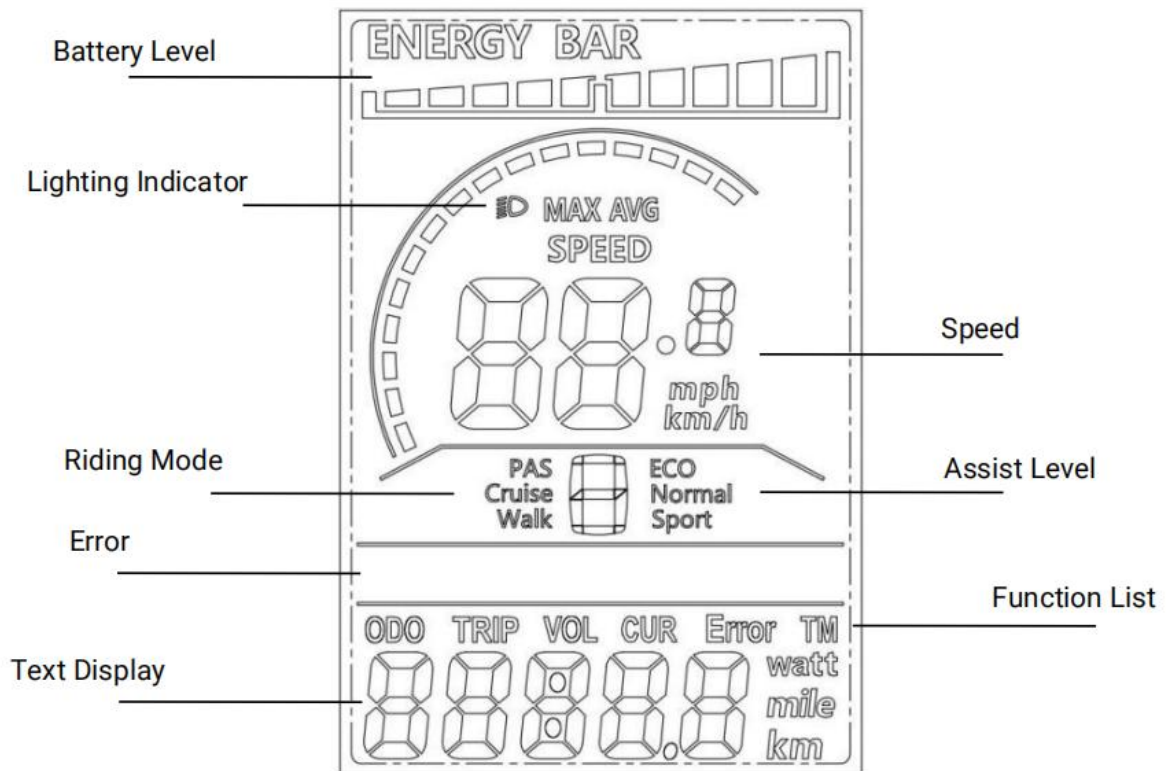
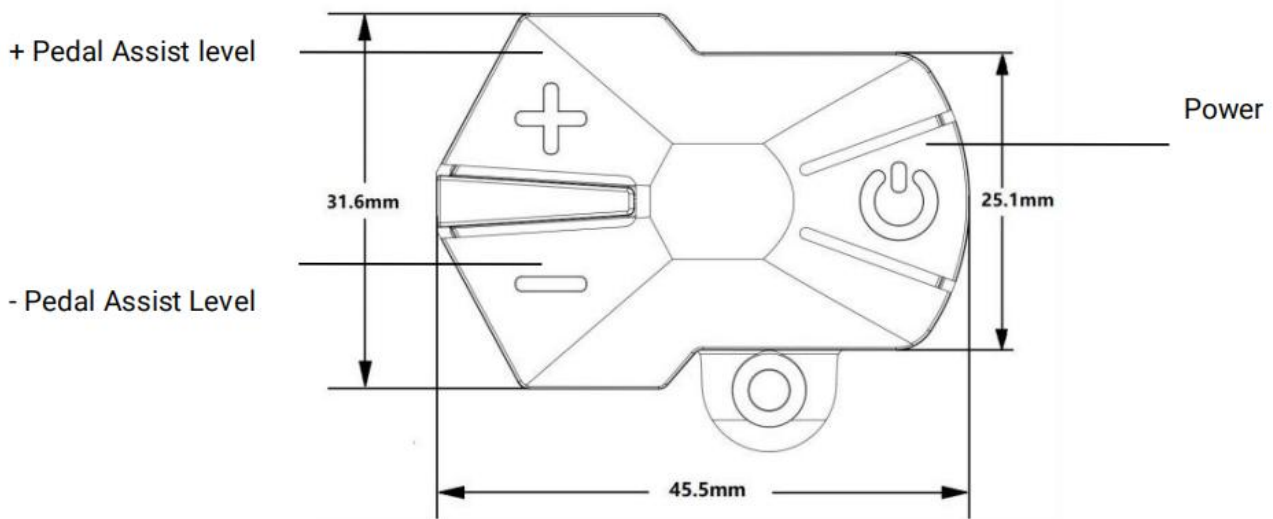
- 👉 Always charge in a safe area that is cool, dry, indoors, away from direct sunlight, dirt, or debris, in a clear area away from potential to trip on the charging cords, or for damage to occur to the bike, battery, or charging equipment while parked and/or charging. Always charge your battery in temperatures between 50°F~77°F (10°C~25°C).
- 👉 Keep the battery charged once a week even if you are not in use in case any defective issue occurs.
- 👉 The battery can be charged on or off the bike. To remove the battery, turn the key to the off and unlocked position, remove the key from the key port by pulling directly up without twisting. Keep the battery charged once a week even if you are not in use in case any defective issue occurs.
- 👉 The battery should be recharged after each use, so it is ready to go the full range per charge next ride. There is no memory effect, so charging the battery after short rides will not cause damage.
- 👉 Charging the battery normally takes 4-5 hours. In rare cases, it may take longer to allow the battery management system to balance the battery, particularly when the bike is new or after long periods of storage.
- 👉 Charger shows red during charging, and it would turn green when the battery is fully charged.

 Remove the charger from the battery within one hour of the green light indicating a complete charge. The charger is designed to automatically stop charging when the battery is full, but unnecessary wear of the charging components could occur if the charger is left attached to the battery and a power source for longer than 12 hours. Detach the charger within one hour, or as soon as possible, once the green light indicates a complete charge to avoid unnecessary wear of charging components.

 Never charge a battery for more than 12 hours at a time.

 Do not leave a charging battery unattended.

# Display & Setting



ODO	Total mileage	E33	Current anomaly
TRIP	Single mileage	E34	Turn handle anomaly
VOL	Battery voltage	E35	Motor phase deficiency
CUR	Operating current	E36	Motor Hall anomaly
Error	Error code indication	E37	Brake anomaly
TM	Display startup time	E30	Communication anomaly



## ◆ Operation Instructions



1. When the display is powered on, long press both “+” and “—” simultaneously to enter the parameter setting mode. In this mode, you can change parameter values using “+” or “—”. A short press of “⏻” will allow you to move to the next parameter setting. To exit the settings and save the parameters, Long press “+” and “—” again. If no operation is performed within 8 seconds, the mode will automatically exit, saving any changed parameters.
2. In the parameter setting mode, a short press of “+”/“—” will alter the parameter value, while a short press of “⏻” will save the current value and switch to the next parameter.

## ◆ Parameter

### P01: Backlight Brightness



Short press the “+”/“—” buttons to switch between levels 1 to 3. Level 3 is the brightest, Level 2 is the default value, and Level 1 is the dimmest.

## **P02: KMH/MPH**



Short press the “”/“” buttons to switch between KMH and MPH. 0: KM

1: MILE

## **P03: Working Voltage**

Short press the “”/“” buttons to switch between 24V, 36V, 48V, and 60V.



## **P04: Auto Shutdown Time**

Short press the “”/“” buttons to set the auto shutdown time from 0 to 60 minutes. This is the time (in minutes) until the screen automatically shuts down due to inactivity. A setting of 0 means the screen will never shut down. Other numbers correspond to the shutdown



time. (Range:1~60 minutes)

For example, if you set it to 10, the screen will shut down after 10 minutes.

## **P05: PAS Mode Setting**

Short press the “”/“” buttons to adjust PAS mode. 0: 3 PAS modes 1: 5 PAS modes

## P06: Wheel Size Selection



Short press the “”/“” buttons to switch wheel size:

Number	0	1	2	3	4	5	6	7
Signfication	16in	18in	20in	22in	22in	24in	700C	28in

## P07: Number Of Magnets For Speed Sensor

Short press the “”/“” buttons to switch from 1 to 15.

## P08: Speed Limit

Short press the “”/“” buttons to set the speed limit between 10 and 41 km/h.



## P09~P15: This Feature is Blank or Invalid

## P16: Reset ODO Distance

Press and hold the “”/“” button for 5 seconds to reset the odometer distance.

## P17: This Feature is Blank or Invalid

## P18: Speed Ratio Adjustment

Short press the “”/“” buttons to set the speed ratio from 50% to 150%. The default value is 100%.

**P19: Is the 0 PAS displayed**

Short press the “”/“” buttons to set the value.

0: Contains 0 PAS

1: Excluding 0 PAS

**P20~P26: This Feature is Blank or Invalid**

# Troubleshooting

Problems	Most Common Solutions
Battery cannot be charged	<ol style="list-style-type: none"> <li>1. Use a multimeter to check if the battery still have voltage.</li> <li>2. Check if the charger indicator is normal. (Red light means charging, green light means fully charged.)</li> <li>3. Check the battery case see if it is damaged, if so, stop using the battery and contact us.</li> </ol>
The brakes make abnormal noise	Adjust the brake pads and brake disc.
Motor makes abnormal noise	Contact us with a video to show the condition and sound.
The tires got flat or could not be inflated	The tires will not be filled with air. Ride the bike after inflating the tires. (The pumping range is 21-25 psi)

## Bike won't work

Possible Causes	Most Common Solutions
Insufficient battery power	Charge the battery
Battery hasn't been turned on	Plug the key and turn it to the end to activate the battery and try again
Battery not fully seated in tray	Install battery correctly
Faulty connections	Clean and reconnect connectors
Brakes are squeezed	Adjust the brake pads and brake discs
Battery non-functional	Test the battery voltage with multi-meter and contact us



## FAQ

### **Q1: What if the e-bike arrived missing accessory or broken part?**

A1: Please take a photo and send to Kingbull ebike Support Team by sending e-mail:[customers@kingbullbike.com](mailto:customers@kingbullbike.com) and Kingbull e-bike Support Team will reply you soon and send correct accessory or part replacement.

### **Q2: Will my bike arrive assembled?**

A2: Your bike will arrive mostly assembled. We'll also provide the tools and a comprehensive assembly video for the rest part.

### **Q3: What can I do if something goes wrong with my e-bike during the warranty?**

A3: We believe that communication is the best way to solve the problem. Please contact us in time. To help you solve the problem as quickly as possible, please describe the problem in detail and provide photos/videos with your order ID.

### **Q4: What if the tires got flat or could not be inflated?**

A4: The tires will not be filled with air. Ride the bike after inflating the tires. Please check if there is a hole in the inner tube and if there is something sharp puncturing the inner tube.

### **Q5: What if the brakes make abnormal noise?**

A5: Adjust the brake pads or brake discs, or you can contact us directly.

### **Q6: What if the bike won't turn on?**

A6: Make sure the battery has been fully charged and reconnect the display cable to see if it could work, or you can contact us directly.

# Limited Warranty

## 15 Days Satisfaction Guaranteed Return Policy

If you are unsatisfied with your purchase, Kingbull's return policy allows you to return the product purchased on the authorization channel within 15 days counting from the date of receipt of shipment, and request are fund from the authorization Channel.Note:Express shipping cost is non-refundable.

To be eligible for a return, your item must be in the same condition that you received it, unworn, unused, and the bike must have less than ten (10) miles on the odometer, be free of any wear and tear, dirt, dust, fragrance, or any other signs of use and must include all items that were inside the box (charger, keys, hardware, etc.).

Over 15 days: Return is not acceptable; Accept exchange new product or partial refund. We will deduct the shipping fee or restocking \$150/pc when we are making a refund for non-defective products and non-longer needed products.

For the return request, Kingbull is not responsible for lost packages due to the carrier, or products received that can not be verified. Received products that have damage determined to have been caused by the end-user maybe subject to denial of the return request.

## To Qualify For A Refund, All The Following Conditions Must Be Met:

1. A Return Merchandise Authorization (MA) must be requested from Kingbull ebike within 15 days from the date of receipt of shipment. To request an MA, contact Kingbull Service Team at **customers@kingbullbike.com**.
2. The cost of return shipping will be paid by the customer.
3. For warranty service, please keep your receipt and/or invoice to validate proof of purchase.



4. Returned product must be in good physical condition (not physically broken or damaged).
5. All accessories originally included with your purchase must be included with your return.
6. If you return a product to Kingbull ebike, (a) without an RMA from Kingbull ebike (b) without all parts included in the original package, Kingbull ebike retains the right to refuse delivery of such return.

## **Limited Product Warranty**

Kingbull ebike warrants the original purchaser that your Kingbull product shall be free from defects in materials and workmanship under normal use for a period aforementioned. Kingbull does not warrant the operation of the product will be uninterrupted or error-free.

- ☞ Only the original owner of an bike purchased from Kingbull ebike online or physical storefront is covered by this Limited Warranty. The Warranty Period begins upon your receipt of the bike and shall end immediately upon the earlier of the end of the Warranty Period or any sale or transfer of the bike to another person, and under no circumstances shall the Limited Warranty apply to any subsequent owner or other transferee of the ebike.
- ☞ The Limited Warranty is expressly limited to the replacement of a defective lithium ion battery (the "Battery"), frame, forks, stem, handlebar, headset, seat post, saddle, brakes, lights, bottom bracket, crank set, pedals, rims, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, LCD display, kickstand, reflectors and hardware (each a "Covered Component").
- ☞ The Covered Components are warranted to be free of defects in materials and/or workmanship during the Warranty Period.

## Limited Warranty Does Not Cover:

Normal wear and tear of any Covered Component.

Consumables or normal wear and tear parts (including without limitation tires, tubes, brake pads, cables and housing, grips, chain and spokes).

Any damage or defects to Covered Components resulting from failure to follow instructions in the bike owner's manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, installation of parts or accessories not originally intended or compatible with the bike as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance.

For the avoidance of doubt, Kingbull e bike will not be liable and/or responsible for any damage, failure or loss caused by any unauthorized service or use of unauthorized parts.

The Battery is not warranted from damage resulting from power surges, use of an improper charger, improper maintenance or other such misuse, normal wear or water damage.

Any products sold by Kingbull ebike that is not an ebike.

For more information about the WARRANTY, please check the

**<https://www.Kingbullebike.com/pages/warranty>**

**Our warranty policy will be constantly updated, please refer to the latest policy published on the official website.**



# Contact Us

WhatsApp: (213) 588-4335

E-mail: [customers@kingbullbike.com](mailto:customers@kingbullbike.com)

Web: [www.kinbullbike.com](http://www.kinbullbike.com)

**NOTICE:** Please attach the details of your order such as order number and the platform you buy when you contact us.

**Kingbull ebike will always be by your side!**





