

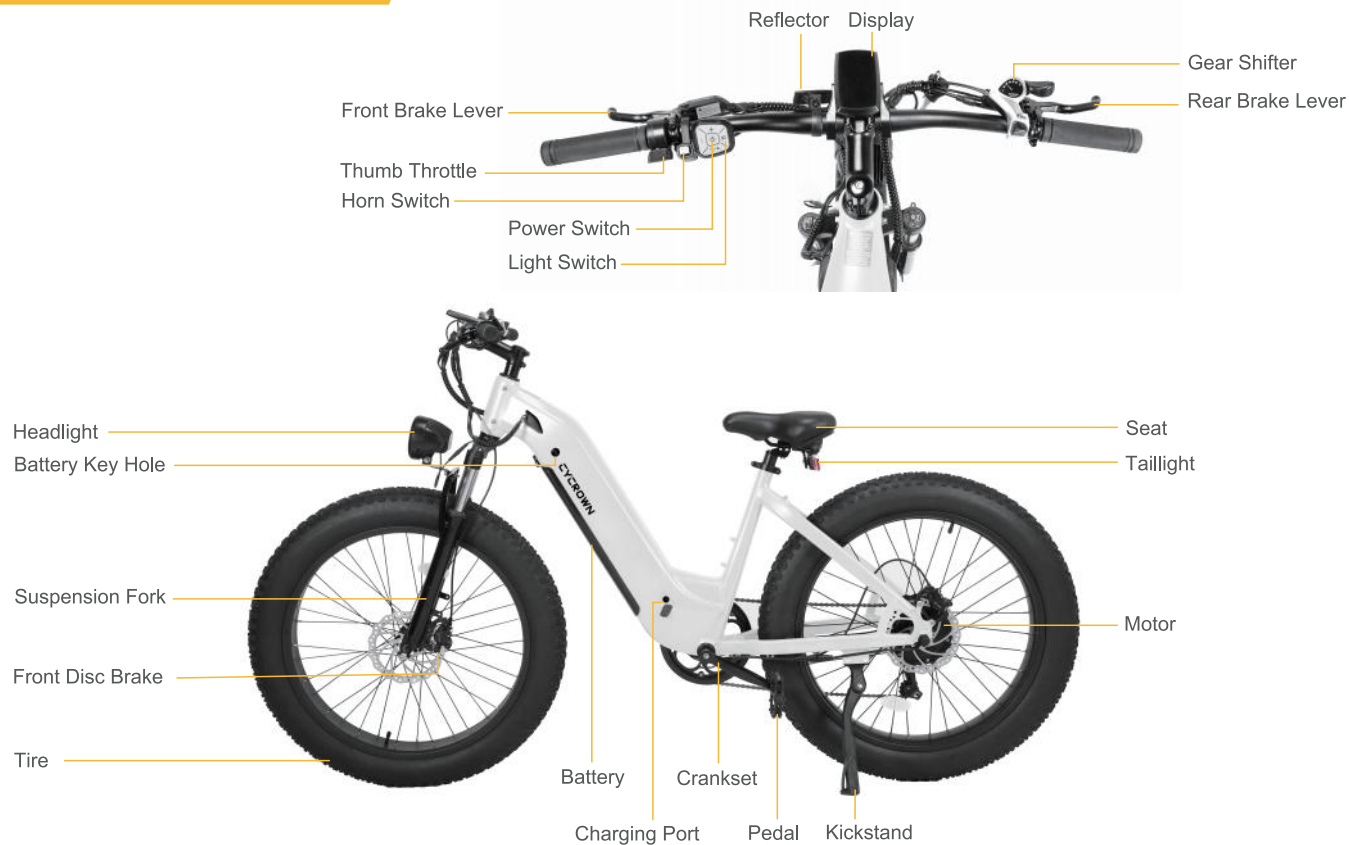
# **USER MANUAL** | CycVerve



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# 1. Product Overview



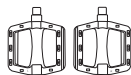
## 2. In the Box



Front Wheel x1



Headlight x1



Pedal x2



Seat with Taillight x1



Charger x1



User Manual x1



Battery Key x2



Bike Body (with Rear Wheel) x1



Tool Kit



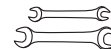
Hex Wrench X1



3-way Hex Wrench X1



2-in-1  
Screwdriver X1



Dual Open-ended  
Wrench x2



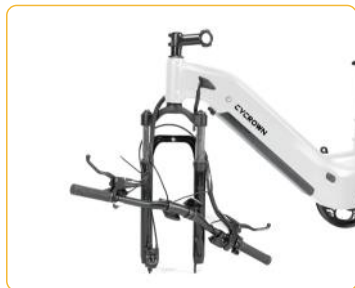
**Check the parts and accessories carefully. If there are missing or damaged parts/accessories, please contact online customer service support.**

## 3. Assembly Instructions

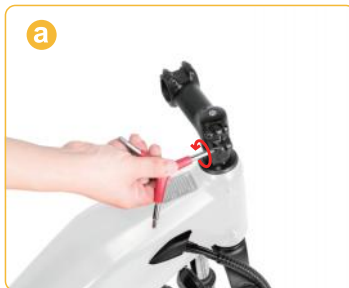
### Before Assembly

- Please read this manual thoroughly and follow its instructions.
- Do not turn on the e-bike until it is completely assembled.
- Make sure all parts are intact.
- If you have any questions or can't find the information you need in the manual, please email us at [support@cycrown.com](mailto:support@cycrown.com).

### 3.1 Reposition the stem



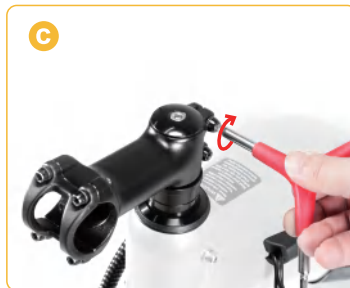
Due to the packaging method, the e-bike is shipped with the stem installed incorrectly.



a. Loosen the two bolts that secure the stem to the steerer tube with the supplied 3-way hex wrench.



b. Adjust the stem to the position where the stem is perpendicular to the front fork.

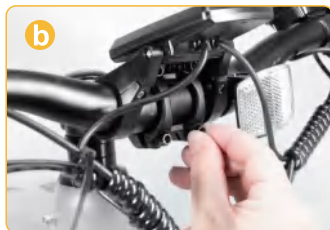


c. Retighten the bolts.

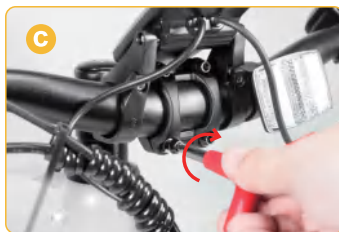
## 3.2 Install the handlebar



a. Remove the four bolts of the handlebar clamp with the supplied 3-way hex wrench.



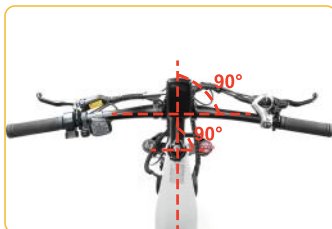
b. Place the handlebar into the clamp and hand-tighten the bolts.



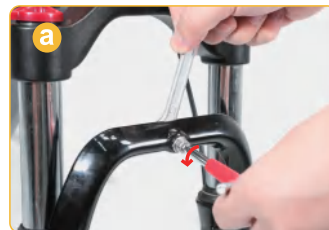
c. Adjust the handlebar to your desired position and retighten the bolts with the 3-way hex wrench.

### Tips:

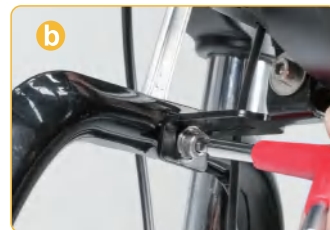
After installing the handlebar, make sure that the handlebar and the stem are installed the same way as in the picture.



## 3.3 Install the headlight



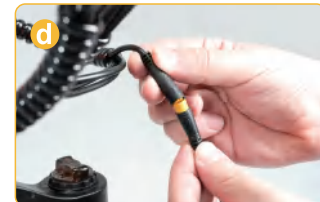
a. Remove the bolt pre-installed on the front fork arch with the supplied open-ended wrench and 3-way hex wrench.



b. Pass the bolt through the headlight bracket and front fork arch as shown.



c. Adjust the position of the headlight and retighten the bolt.



d. Connect the power cable of the headlight.

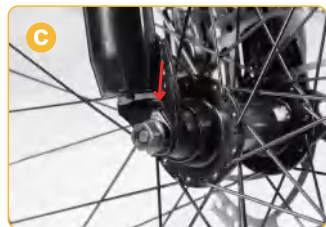
## 3.4 Install the front wheel



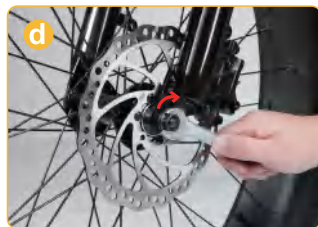
a. Find the front wheel.



b. Sit the front fork on the axle of the front wheel.



c. Adjust the safety washers so that they hook the holes above the dropouts.

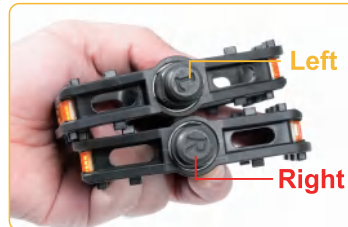


d. Tighten the nuts with the supplied open-ended wrench.

### Notice:

- The disc brake rotor should be located in between the brake pads.
- The front wheel axle should fully engage in the front fork dropouts.

## 3.5 Install the pedals



Identify the left and right pedals by the "L" and "R" marks on the side of the pedal axles.



- I. Hand-tighten the pedals by spinning the axle of the left pedal counter-clockwise and that of the right pedal clockwise.
- II. Then tighten the axles with the supplied open-ended wrench.

### 3.6 Install the seat

a



a. Find the seat (with the seat post and taillight pre-installed).

b



b. Insert the seat post into the seat tube.

c



c. Adjust the seat to your desired height and close the lever of the seat post clamp.

### 3.7 Battery removal

For your convenience, the battery is designed by CYCROWN to be removable.

a



a. Turn off the e-bike, insert the battery key in the key hole, and turn the key counterclockwise to the end to unlock the battery.

b



b. Flip the safety switch left or right to disengage the battery from the battery lock.

#### *Tips:*

*Holding the battery with one hand when flipping the safety switch is recommended to avoid dropping the battery.*

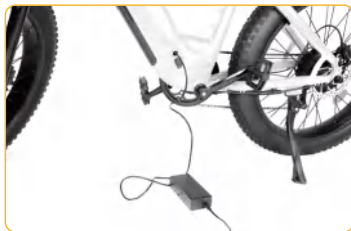




c. Remove the battery

## 4. Charging Instructions

### 4.1 Charge the e-bike with the battery on the e-bike



01. Turn off the e-bike.
02. Open the charging port cover.
03. Insert the DC connector of the charger into the charging port.
04. Insert the AC connector of the charger into an outlet.
05. After charging, unplug the AC connector before unplugging the DC connector.

### 4.2 Charge the e-bike with the battery off the e-bike



01. Turn off the e-bike.
02. Remove the battery from the e-bike (refer to the “3.7 Battery removal” section for specific information).
03. Insert the DC connector of the charger into the charging port.
04. Insert the AC connector of the charger into an outlet.
05. After charging, unplug the AC connector before unplugging the DC connector.

#### **Tips:**

- Place the charger on a flat and safe surface during charging.
- The LED indicator on the charger is red during charging and turns green after the battery is fully charged.

## 5. Riding Modes

Speed Modes	Full Throttle	Pedal Assist
0	×	×
1-5	✓	✓
Display OFF	×	×

### Full Throttle Mode

Turn on the e-bike and you can press the throttle to accelerate. Switch the speed mode from 1 to 5 by pressing the “+” or “-” button.

### PAS (Pedal Assist) Mode

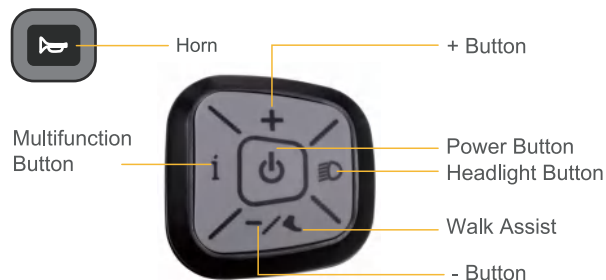
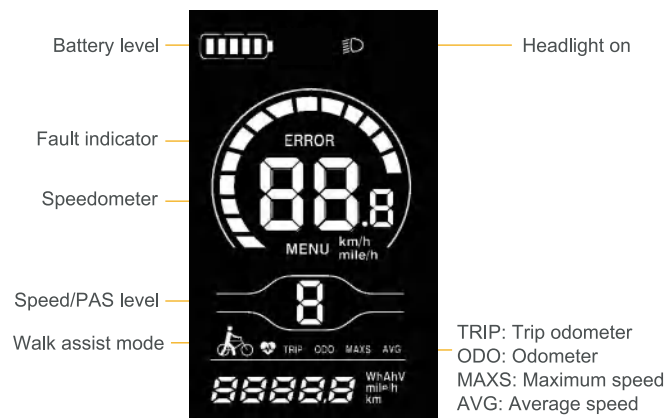
Turn on the e-bike, and you can pedal it with a PAS level of 1-5. Switch the PAS level by pressing the “+” or “-” button.

### Normal Bike Mode

To ride the e-bike like a normal bike, you can turn off the e-bike or set the PAS level to 0 when the e-bike is turned on.

- Fully charge the battery and make sure it is locked before riding.
- Press and hold the power button for 2 seconds to turn on the e-bike.
- The top speed is 28 mph (45 km/h).
- Switch top speeds by pressing the + or - buttons and/or the shifter.
- Stop: Release the throttle and squeeze the rear brake lever to stop the rear wheel before squeezing the front brake lever.


## 6. Display and Buttons



## 6.1 Basic operations

### Power on/off




Press and hold  for about 2 seconds to turn on/off the e-bike.


 *If the e-bike is not used for 10 minutes, it will automatically shut down. In the shutdown state, the display will not be powered by the battery, and the leakage current is less than 1uA.*

### Select TRIP / ODO / MAXS / AVG

After turning on the e-bike, press  to switch between TRIP (trip odometer), ODO (odometer), MAXS (maximum speed), and AVG (average speed).

### Walk mode (walk assist)



- Press and hold  for about 3 seconds to turn on the walk mode when the speed is zero after turning on the e-bike. The e-bike will travel at a constant speed of 3.8 mph (6 km/h) with  on the display.
- Release  and the e-bike will stop power output and return to the state before walk mode.

 *Only use the walk mode when you are walking the e-bike. Never use the walk mode in riding.*

### Turn on/off the headlight

Press  to turn on/off the headlight.

### Select PAS levels

Press  or  to adjust the PAS levels from 1 to 5 after turning on the e-bike, thereby changing the output power of the motor.

### Battery level










The battery levels are displayed in the form of 5 bars.

- When the battery level is full, there are 5 bars.
- When the battery is undervoltage, the outer border of the battery icon will flash, indicating that it needs to be charged immediately.

## 6.2 Settings

All settings can only be set when your e-bike stops.

The operating steps are as follows:

01. To enter the main interface of the settings, press and hold  and  simultaneously for 3 seconds after turning on the e-bike.
02. Press  /  to switch between P01, P02, P03, and P04.
03. Press  to select the P01, P02, P03, or P04 setting item.
04. Press  /  to change the setting item.
05. To save the current setting, (1) press , the display will return to the main interface of the settings; or (2) hold , the display will return to the home screen.

**P01 is the imperial and metric system setting item:**

00 for metric and 01 for imperial.



**P02 is the cruise control setting item:**

00 for cruise control disabled and 01 for cruise control enabled.

**P03 is the backlight brightness setting item:**


01 for low brightness, 02 for medium brightness, and 03 for high brightness.

**P04 is the odometer resetting item:**

After selecting P04, press  to switch to "01" and then press  to reset the odometer to zero.

## 6.3 Error codes

When the electronic control system fails, the corresponding error code will appear on the display. For the definition of the detailed error code, see the following table of error codes.

 **When there is an error code, please troubleshoot in time.**  
**The e-bike will not be able to work normally after a fault occurs.**

**Table of Error Codes**

Error Code	Cause	Error Code	Cause
<b>ERROR 04</b>	Throttle Not Returning	<b>ERROR 14</b>	Controller Overheating
<b>ERROR 05</b>	Throttle Fault	<b>ERROR 15</b>	Controller Temperature Sensor Fault
<b>ERROR 07</b>	Over-Voltage Protection	<b>ERROR 21</b>	Speed Sensor Fault
<b>ERROR 08</b>	Motor Hall Sensor Fault	<b>ERROR 23</b>	Headlight Fault
<b>ERROR 09</b>	Motor Phase Cable Fault	<b>ERROR 24</b>	Headlight Sensor Fault
<b>H</b>	Motor Overheating	<b>ERROR 25</b>	Torque Sensor Torque Signal Fault
<b>ERROR 11</b>	Motor Temperature Sensor Fault	<b>ERROR 26</b>	Torque Sensor Speed Signal Fault
<b>ERROR 12</b>	Current Sensor Fault	<b>ERROR 30</b>	Communication Fault
<b>ERROR 13</b>	Battery Temperature Fault		

## 7. For Your Safety

*For safe riding, please read the following information carefully. Before riding, be sure to check that your brakes are working normally.*

### Before Your First Ride

- Check whether the bolts and clamp are fully tightened and whether the brakes are effective.
- Check the seat, gears, and tire pressure. Proper tire pressure can avoid flat tires and improve performance, including distance traveled per inflation.
- Check the handlebar at least once a week.

Performing the above routine checks before and after each ride can help you keep your e-bike at peak performance and spot potential problems before they become safety hazards.

### Check by Bike Mechanics Every 6 Months

Bikes require regular maintenance. Take your e-bike to your local bike shop twice a year for tuning. Critical components should be inspected frequently and be repaired and adjusted by an experienced mechanic.

### Protective Gear

- Wear an approved helmet and other protective equipment to reduce any possible injury.
- Helmets can reduce serious head injuries by 85%.
- Elbow pads can reduce elbow injuries by 82%.
- Knee pads can reduce knee injuries by 32%.

### Warning

- To avoid accidental movement while waiting at a traffic light, set the speed mode to zero or apply brakes.
- When riding, make sure both your feet are always on the pedals and both your hands on the handlebar.

- Never ride the e-bike for dangerous actions that could cause personal injury or property damage. Failure to exercise good judgment or heed the above warning increases the risk of serious injury and, in rare cases, death.
- Make sure the battery is fully charged, especially for long trips.
- For the safety of your own and others, obey the speed limit, ride at a speed you are comfortable with, and be prepared to stop at any time.
- Keep a safe distance from other riders to avoid collisions.
- Be aware of your surroundings and avoid obstacles and unsafe surfaces.
- Ride in the open and flat. Avoid slopes or crowded roads.
- Do not ride at high speeds, on uneven terrains, in bad weather, or in other unsafe conditions.
- Ride e-bikes only where permitted. You must obey local laws and be courteous to pedestrians.

## 8. Battery Maintenance

A well-maintained battery performs well even after a long range. Charge the battery after each ride to prevent the battery from draining from a full charge. Batteries perform best when used at 70°F (22°C) room temperature. However, using it at temperatures below 32°F (0°C) will degrade performance. In general, at -4°F (-20°C), battery performance drops to half of that at 70°F (22°C). When the temperature rises, battery life will resume.

***Refer to local laws and regulations regarding battery recycling and/or disposal.***

Under normal circumstances, a fully charged battery can hold power for 90 days in standby mode. Remember to charge the battery after each use. Draining the battery may cause permanent damage to the battery. Electronics inside the battery record the charge and discharge of the battery. Damages due to over-discharge or over-discharge are not covered by the warranty.

**Notice** ● Do not perform any maintenance while the e-bike is powered on or charged.

- Store or charge the battery within the temperature range of 68°F~77°F (20°C-25°C).
- Do not pierce the battery.
- Do not attempt to disassemble the battery to avoid fire.
- When the ambient temperature exceeds the maximum operating temperature (see “12 Parameters”), do not ride the e-bike.
- Temperature will limit maximum power/torque. Otherwise, personal injury or property damage may occur.

## 9. Cleaning

Before cleaning, make sure the e-bike is turned off and the charging cable is unplugged. Otherwise, you may damage the electronic components. Proper cleaning of your e-bike can guarantee a longer lifespan and a smoother ride.

- Wipe the outer body of the e-bike with a soft and dry microfiber cloth.
- Check around the wheel to make sure there are no foreign objects. The design of this e-bike makes wheel maintenance easy.
- The e-Bike has IPX4 water resistance, which means it can withstand splashes. However, don't submerge the e-Bike in water.

**Note**  ***Do not use alcohol, gasoline, acetone, or other corrosive/volatile solvents to clean the e-bike. These substances can damage the exterior and the internal structure of the e-bike.***

 ***Do not allow water and liquids to enter the electric parts or the battery of the e-bike.***

## 10. Storage

The e-bike should be fully charged before storage to prevent the battery from over-discharging after long-term storage. If the e-bike is to be stored for more than a month, discharge and charge the battery at least once a month.

- Notice**
- Do not store the e-bike outdoors for extended periods of time. Exposure to sunlight and extreme temperatures (both hot and cold) accelerates the aging process of plastic parts and can reduce battery life.
  - Store the e-bike in a cool dry place.
  - Do not store e-bike in dusty environments as damage may occur over time. Cover the e-bike to prevent dust.

## 11. End-of-Life Disposal

- This product cannot be disposed of by incineration, landfilling or mixing with household waste. Improper handling of the battery in this product may cause the battery to heat, rupture, or ignite, which could result in serious injury. The substances inside the battery pose a chemical risk to the environment. The end-of-life disposal recommendation for any CYCROWN product is to dispose of the entire device at an e-waste recycling center or through an e-waste recycling center, project or facility.

- Local regulations and laws related to the recycling and disposal of lithium-ion batteries and/or products containing lithium-ion batteries vary by national, state, and local government. In order to properly dispose of batteries and/or products containing batteries, you must check the laws and regulations that correspond to where you live.

- It is the user's responsibility to properly dispose of waste equipment in accordance with local regulations and laws. For additional information on disposing of batteries and electronics or electronic waste, Please contact your local waste management office or household waste disposal service.

## 12. Parameters

Model	CycVerve
Net Weight	69.4 lbs / 31.5 kg
Product Dimension	76*29*45 in. / 193*73*114 cm (excluding the height of the seat)
Seat Height	33-39 in. ± 2 in. / 85-100 cm ± 5 cm
Max. Capacity	330 lbs / 150 kg
Max. Speed	28 mph / 45 km/h
Range	40-60 miles / 64-96 km
Motor	1,000 W (Peak); 750 W (Rated)
Battery Capacity	48 V, 15.6 Ah
Charger Input	AC 100-240 V, 50/60 Hz, 2 A
Charger Output	54.2 V, 2 A
Charge Time	7-8 h
Wheel Size	26 x 4.0 in.
Water Resistance	IPX4
Storage Temperature	68°F~77°F / 20°C~25°C
Operating Temperature	-4°F~140°F / -20°C~60°C
Charging Temperature	32°F~104°F / 0°C~40°C
Warranty	1 Year Limited
User Age	18+ Years Old



## 13. Warranty

### Dear Customer

Thank you for purchasing our foldable lithium battery bicycle! After purchasing our products, please provide correct, complete, and true personal information and fill in the warranty card to ensure that you receive high-quality service. For products that meet the warranty conditions, free maintenance is provided. We make the following commitments:

1. You can receive warranty service with the warranty card. The serial number on the e-bike body must match the serial number on the warranty card. If you can't provide proof of the repair date, Then the factory date or the order date will be the start date of the warranty and we will confirm if it is still within the repair date.
2. From the date of sale to the warranty expiration day, If there is a performance failure caused by non-human damage, once confirmed, our company promises to repair it free of charge. If the performance failure caused by man-made damage, once confirmed, our company will carry out paid maintenance.

### Warranty Disclaimer

***The following situations are not covered by the warranty service, and you need to pay the relevant service fees. beware:***

1. Total riding distance is over 62 miles (100 kilometers)
2. Any damage caused by not following the instructions for use of the e-bike.
3. Lost or changed e-bike number.
4. Product damage caused by accidental factors or improper use, such as mechanical damage, breakage, and serious impact on the product, oxidation, etc.

5. Overload, over obstacles (Including but not limited to bottom pedals, falls), or damage caused by extreme conditions.
6. Any damage caused by abnormal storage conditions or electrical resistance, such as fire, immersion, high temperature, and earthquake.
7. Loss of wearing parts, such as packaging materials and various technical materials.
8. Other failures or damages not caused by product design, technology, manufacturing, quality, or other issues.
9. Not purchased from the CYCROWN online store.

## 14. Contact Us

If you have issues with riding, maintenance, safety, faults, or failures with the CYCROWN CycVerve electric bike, please contact us.

✉ [support@cycrown.com](mailto:support@cycrown.com)

🌐 [www.cycrown.com](http://www.cycrown.com)



[WWW.CYCROWN.COM](http://WWW.CYCROWN.COM)



[SUPPORT@CYCROWN.COM](mailto:SUPPORT@CYCROWN.COM)