



# OWNER'S MANUAL

## ZECTRON FOLDING ELECTRIC BIKE

***To prevent PROPERTY DAMAGE, SERIOUS INJURY, or DEATH, you should read, understand, and follow the warnings and instructions in this manual. Keep for future reference.***

| v.1 | manual number

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# Welcome to the Zectron Bikes family!

Thank you for purchasing the Zectron folding ebike.

We take pride in bringing you a quality product that will offer years of enjoyment. Please read carefully and understand this Owner's Manual fully before assembling and riding your bike. And be sure to watch the official Zectron assembly video at the QR code shown here.



You should become thoroughly familiar with the proper operation of your Zectron bike, its features, capabilities, and limitations. It is not practical or possible to warn you about all of the hazards associated with operating or maintaining your Zectron bike, for this, you must use your own good judgment.

This manual should be considered a permanent part of your bike and should remain with the bike when it is sold.

## Rider's Responsibility Regarding Regulations

It is the rider's responsibility to be aware of and obey the local regulations that apply to your Zectron electric bike.

The regulations covering the use of your Zectron electric bike vary by country/state, and even municipality in certain locations. You must comply with the local regulations in your area related to the minimum age of the rider, driver's license, insurance, license plate, traffic, and maximum speed regulations, and any other regulations. These regulations may change at any time.

## Intended Use

The intended use of your Zectron bike is to be ridden by one adult rider (age 18 and up) at an appropriate time and place for general transportation and/or recreational use. Any other use is prohibited and may result in **SERIOUS INJURY** or **DEATH**.

Your bike is **NOT INTENDED** for off-road or mountain bicycle use, or for any kind of jumping. The Zectron bike has suspension feature, but this feature is designed only to add comfort, not off-road capabilities.

Riders should be proficient cyclists (ages 18+), riding on paved surfaces where the tires are always on the ground, on roadways, or dedicated bicycle-only lanes where permitted by law (not on pedestrian-use shared lanes or sidewalks). Your bike should not be used to tow another vehicle.

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# Using this manual

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



**DANGER:** A “danger” statement indicates a hazardous situation that, if not avoided, has a very high risk of 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.



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

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

Riding any bike or other vehicle always involves some risk of serious injury or death. By choosing to ride a bike, you assume the responsibility of that risk: you need to know and practice the rules of safe and responsible riding as well as proper use and maintenance. Proper use and maintenance of your bike reduces the risk of injury. If you have any questions or do not understand any aspect of using or maintaining your bike, take responsibility for your safety and consult with your local bike shop, or contact us for assistance.

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 and is not intended as a comprehensive use, service, repair or maintenance manual. Please see your local bike shop for all service, repairs, or maintenance. Your local bike shop may also be able to refer you to classes, clinics, or books on bike use, service, repair, and maintenance. If you have any questions you can contact Zectron Bikes anytime. Assembly and first adjustment of your Zectron bike requires special tools and skills. We recommend that you have this done by a certified, reputable bike mechanic. Keep this manual and any other documents that came with your Zectron bike. All content in this manual is subject to change or withdrawal without notice. Zectron Bikes makes every effort to ensure the accuracy of its documentation and assumes no responsibility or liability if any errors or inaccuracies appear within.

# General safety

To prevent serious injury or death:

- **Read all safety warnings and all instructions.**
- **Always ride within your limits and the limits of your Zectron Bike.**
- **Bikes are only for use by persons 18 years of age and above.**

Riders must have the physical coordination, reaction, and mental capabilities to control a bicycle and manage traffic, in addition to managing road conditions and sudden situations with respect to the laws and instructions governing bicycle use. Persons with any mental or physical conditions that may make them susceptible to injury, impair their physical dexterity or mental capabilities to recognize, understand, and follow safety instructions—or understand the hazards inherent to its use—should not use or be permitted to use products inappropriate for their abilities.

- **Never ride under the influence of drugs and/or alcohol.**
- **Always wear a helmet.** Wearing a helmet properly may reduce the risk of a severe head injury. Ensure your helmet fits your head and is properly secured.
- **Consult a doctor before using the device if you have any medical condition or issue that affects your ability to safely perform physical activities, or if you:**
  - a. are or may be pregnant;
  - b. have heart, respiratory, back, joint, or other orthopedic conditions;
  - c. have high blood pressure;
  - d. have difficulty with physical exercise; or
  - e. have been instructed to restrict physical activity.
- **Always keep small parts away from children.** Some eBike accessories may present a choking hazard to small children.
- **Never modify your frame or bicycle in any way.** Do not sand, drill, file, or remove parts from your bicycle. Do not install incompatible components or hardware.
- **Always use proper lifting techniques to prevent injury.** Your eBike may be significantly heavier than a bicycle without a battery pack and a motor.
- **Take responsibility for your own SAFETY.** If you have any questions or do not understand any aspect of using or maintaining your bike, contact Zectron Bikes at [support@zectronebike.com](mailto:support@zectronebike.com).

## Pre-ride safety checklist

Zectron Bikes recommends going through each item on the pre-ride safety checklist before and after each ride. Spending time to make sure all of the bike's components are in good working order before a ride is a crucial step along the way to a safe and fun ride.

This checklist is not intended to function as a detailed service manual. Be sure to read your entire owner's manual before riding or repairing your bike. If you do not have the expertise required to

perform any of these checks, Zectron Bikes recommends having your local bike shop mechanic perform a detailed safety check of your bike in regular intervals. Ensure your local mechanic is experienced and reputable.

- Before each ride, inspect your eBike for damage. If damage is found, do not ride.
- Verify that the front and rear axles are secure.
- Check that the front and rear tire pressure is within the recommended pressure range printed on the tire sidewall.
- Pull the brake levers to ensure the brakes are working properly and adjust if necessary.
- Visually inspect the bike for damage or anything out of the ordinary.
- Turn on the lights, especially if riding at night.
- Make sure all hardware is tightened to the recommended torque specifications.
- Verify that the frame folding latch is securely closed and locked.
- Verify that the stem folding latch is securely closed and locked.
- Check that the seatpost is inserted past the minimum insertion point. The minimum insertion point is labeled on the seatpost.
- Check that the seat cannot be twisted out of position, and set the height to a safe position that makes it easy to mount and dismount the bike.
- Make sure the pedals are locked in a flat position.
- Check the condition of the chain to see if it needs cleaning or lubrication.
- Wear a helmet and high visibility clothing.
- NEVER exceed the maximum total weight limit of 297 lbs. (135 kg).
- Ensure all components are properly secured.
- Make sure your battery is fully charged.

## Assembly instructions

The following steps provide an overview of how to assemble your Zectron bike. Neither the assembly steps nor the rest of the manual cover all potential aspects of bike configuration, maintenance, and repair, which can require specialized tools and skills. We recommend you consult a certified, reputable bike mechanic to assist in the assembly, repair, and maintenance of your Zectron bike.

Please note that your Zectron bike may include components that look different from those in the illustrations above and elsewhere in this manual. Such changes help ensure uninterrupted shipping. Our engineers rigorously test each component to guarantee quality and compatibility.



**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, consult a local, certified, reputable bike 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 ebike from the bike box, placing it upright on a clean 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 bike. Otherwise, recycle these materials, especially cardboard and foam, wherever possible. **Ensure all of the following pieces are included with the ebike:**

- Front wheel and front wheel axle
- Pedals (left and right)
- Suspension and its screws
- Seat and seatpost
- Kickstand and its screws
- Charger
- Assembly toolkit
- Manual and Warranty Card

If anything is missing, please contact Zectron Bikes immediately.

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

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

**2. Ensure that the folding mechanisms are fully closed.** Use caution to keep fingers, clothing, and other objects away from the folding parts and potential pinch points. Always check that these latches are locked before moving or riding the bike.

**a. Close the handlebar riser's folding mechanism.** The handlebar comes folded to save room in the box.

Rotate the handlebar up until the hinge closes. Then fold the stem clasp release lever up and press into the stem until the release lever clicks into place.

**b. Check that the folding mechanism on the frame is also latched and securely locked.** For more information, see the assembly video available. See "Folding and unfolding your Zectron Bike" on page 12 for more information.

**3. Install the front wheel onto the front fork as explained below.**



**WARNING:** Do not touch the brake rotor, which has sharp edges and can cause serious injury. Touching the brake rotor or brake pads with bare skin can also transfer natural oils to either component, which can decrease braking performance. When installing the front wheel, ensure that you don't touch the brake rotor or pads with bare hands. Wear clean gloves if needed.

a. Remove the following items in order, the nut near the right side of the wheel axle (Please note the directional indications L and R marked on the wheel axle), a thin white washer and a thick black washer; thread the wheel axle from the left side of the front wheel (the side where the disc brake rotor is located is the left side of the front wheel) into the bearing in the center of the front wheel. Then put a black thick washer, a white thin washer and nut back into the right side of the wheel axle in order.

b. Carefully lift the front of the bike and lower the front fork onto the wheel axle. The left fork should be placed between the two thin white washers, and the right fork between the thick black washer and the thin white washer.

- c. Slowly lock the nuts on both sides with a 15mm caliber wrench left and right, with a torque of 35-42 N.m.
- d. Check that the wheel is fully seated in the dropouts, that the wheel axle is level and parallel to the ground, and that the wheel is centered.
- e. Try to turn the front wheel to check whether the brake disc doesn't get scratched, if so, you need to follow the following steps to adjust: loosen the nuts on both sides of the wheel axle, hold the front brake lever(left brake lever) so that the brake holds the brake disc, the brake disc is located in the middle of the brake, then tighten the nuts on both sides of the wheel axle, should be carried out slowly from left to right, after the nuts are tightened, then release the left brake lever.

#### **4. Install the kickstand**

- a. Remove the nuts and spacers of the two screws (M5 hexagonal screws) on the kickstand respectively.
- b. Loosen the two screws of the kickstand, but do not completely remove the two screws.
- c. Align the two screws of the kickstand with the two screw holes located on the left chain stay, and screw the two screws in so that the kickstand is fixed on the left chain stay.
- d. Put a spacer and a nut on each of the two screws from the inner end of the left chain stay in turn, and tighten the nut with a 10mm caliber wrench. The torque is 10N.m.

#### **5. Install the pedals.**

- a. Locate the right-side pedal, which is marked "R," should have an "R" sticker attached and has a smooth pedal axle. The right pedal goes on the crank on the drivetrain side of the bike, which has the chain and is the same as a rider's right side when seated on the bike.
- b. Carefully thread the right pedal onto the right crank by turning clockwise (toward the front of the bike). Do so slowly and gently by hand. Do not cross thread or damage the threads.
- c. Carefully thread the left pedal onto the left crank by turning counterclockwise (toward the front of the bike). The reversethreaded left pedal is marked with an "L," should have an "L" sticker attached, and has notches on the pedal axle. Thread slowly and gently by hand without cross-threading or damaging the threads.
- d. Tighten each pedal using a 15mm wrench.
- e. Torque each pedal to 10 Nm.

#### **6. Install the seat and seatpost.**

- a. Use a 5 mm Allen wrench to loosen the two bolts on the clamp located the top of seatpost. Do not remove the bolt rod off the nut.
- b. Slip on the seat by setting the two rails between the clasps. Move the seat back and forth along the rails to reach your desired seat position. The higher bolt should be located on the back side of the seat.
- c. Tighten the two bolts with the wrench to squeeze together the clasps and fix the seatpost to the seat. Torque is 22N.m.
- d. Open the quick-release lever on the seat tube, insert the seatpost into the seat tube. Make sure that the minimum insertion point etched onto the seatpost goes into the seat tube (it should not be visible). The seat must also never be pushed down so low that the maximum insertion

point is lower the seat tube, or it will damage the rear suspension under the seat tube while riding.

e. Secure with the quick-release lever. Closing the lever should require enough pressure that it leaves an imprint in your hand. When closed, the seat should not move up, down, left, or right. If needed, adjust the lever tension by turning the adjustment nut opposite the quick-release lever while the lever is open.

 **DANGER:** Overextending the seatpost can cause it to break or fall off your bike, which will put you at very high risk of serious injury or death. Avoid this danger by inserting your seatpost into the seat tube far enough that the minimum insertion point is no longer visible.

 **WARNING:** Always tighten fasteners to the correct torque to prevent serious injury or death. Bolts that are too tight can stretch and deform. Bolts that are too loose can move and fatigue. Either condition can lead to a sudden failure of the bolt and result in a crash.

## 7. Fix the rear suspension.

- a. Take out the corresponding screw from the accessory box and separate the screw into two parts.
- b. Lift the rear frame up and align the hole at the top of the suspension with the two screw holes in the seat stay.
- c. Insert the long section of the screw from one side of the screw hole in the seat stay, then insert the short section of the screw from the other side of the screw hole in the seat stay and tighten the screw from 2 sides. The torque is 6-8N.m.

## 8. Adjust the brakes.

- a. Adjust the 2 brake levers to the proper position.
- b. Tighten the screw of the brake lever with a M5 hexagonal screwdriver with a torque of 7N.m.



9. **Inflate tires.** Check that the tire beads and tires are evenly seated around the rims. Use a pump with a Schrader valve and pressure gauge to inflate each tire to the recommended PSI (pounds per square inch) indicated on the tire sidewall. Do not overinflate or underinflate tires.

# Operation

 **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, consult a local, certified, reputable bike mechanic.

## How the electrical system works

The Zectron Bike 350 Version is equipped with two ways for a rider to use power assistance from the motor to propel the bike forward: a pedal assist system (PAS) and a twist throttle. The Zectron Bike 250 Version is only equipped with one way: a pedal assist system (PAS).

### 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 cadence sensor detects when the rider revolves the pedals and signals the electric motor to provide the level of pedal assistance (0-5) that the rider has selected.

### HOW THE THROTTLE WORKS (not applicable to Zectron Bike 250 Version)

The throttle is located on the right side of the handlebar. The rider can use it with a twist of the throttle grip to propel the bike forward without pedaling.

To prevent any accident caused by accidentally engaging the throttle, the bike won't run by rotating the throttle while it stands still, it needs some external force to get an initial speed and start running, so you need to pedal first to get the throttle work.

To engage the throttle while riding, slowly and carefully rotate it toward yourself. The more you twist, the more powerfully the motor will propel the bike forward. Once you release the throttle or apply the brakes, the throttle will no longer propel the bike forward. Always keep one hand on the brake lever and be prepared to squeeze the lever to disengage the throttle if needed.

NOTICE: Throttle and motor use may not be allowed in all areas/countries. It is your responsibility to know and follow local ebike regulations, rules, and traffic laws where you ride.

## Handlebar features

- 1 Left brake lever
- 2 Display controls
- 3 LED display
- 4 Gear Display
- 5 Up shift button
- 6 Down shift lever
- 7 Throttle
- 8 Right brake lever



## Display Controls

### 1. Plus Button

a. Short press and release to increase PAS by one level, from level 0 to level 5;

1. Long press to adjust the speed gears of the throttle-only mode (Not applicable to Zectron Bike 250 Version).



### 2. Bell Button

Press and release to actuate the bell.

### 3. Minus Button

Short press and release to decrease PAS by one level, from level 5 to level 0;

### 4. Power Button

Press for about 1 second and release to turn bike on, press for about 3 seconds and release to turn bike off; When bike is on, press for about 1 second and release to turn headlight and taillight on/off.

## Gear Shifter

### 1. Up shift button

Press the button to change up a gear.

### 2. Down shift lever

Push the lever away from you to change down a gear.

## Shifting Gear

There are 7 gears with Zectron bikes.

Gear 1 is the lowest or bottom gear. You'll be in the gear 1 when the chain is on the largest cog (closest to the rear wheel)

Gear 7, your highest gear or top gear. You'll be in gear 7 when your chain is on the smallest cog (furthest from the rear wheel).

Low gear is good for starting out, headwinds, and climbing hills.

Higher gear is suitable for downwind and downhill.

To make pedaling lighter: Shifts to a larger sprocket.

To make pedaling heavier: Shifts to a smaller sprocket.

**NOTICE:** Only change gears whilst you are pedalling – don't try and change when you are stopped or are freewheeling along. If you do, then you will either not be able to change gear, or worse, you might cause damage to the components. Pedal lightly while using the shifter. Don't back-pedal.

## Display Functions



- 1 Battery level indicator bar
- 2 Pedal assist (PAS) level indicator
- 3 Speed mode indicator bar
- 4 Real-time riding speed
- 5 Odometer

### Battery capacity display

The LED display of your Zectron Bike features a battery capacity gauge (like a fuel gauge on a car). This gauge calculates the remaining battery charge based on the current battery power output (instantaneous voltage reading), and can fluctuate while riding as power demand and/or output changes.

Once only one bar is illuminated, users should charge the battery as soon as possible. At lower states of charge, the bike may limit power output to make the remaining power last a little bit longer. When the battery is fully depleted, the last bar will begin to flash, alerting the user that they're about to lose all electrical power. Any time your power is off or depleted, you can still propel your bike by pedaling it.

### Speed mode indicator bar

- Note: This indicator bar doesn't have any meaning for Zectron Bike 250 Version. There are three speed gears in the throttle-only mode for your Zectron bike 350.
- a. Eco mode - Max speed of throttle up to 10mph/16kph.



- b. Normal mode - Max speed of throttle up to 15mph/24kph.



- c. Sports mode - Max speed of throttle up to 20mph/32kph.



### Odometer

- a. It shows the Total Ride Range when bike stops;
- b. It shows the Single Ride Range during riding.

## Start-up procedure

After the bike has been properly assembled, all components are secured correctly, a certified, reputable mechanic has checked the assembly, and you have read this entire manual, turn on the bike and select a pedal assist level following the steps below:

2. **Turn on the bike.** Locate the display control pad(near the left handlebar grip). Hold down the power button for approximately one second until power is delivered to the LED display and the LED display illuminates.
3. **Activate and unlock your bike in Zectron App.** The bike is locked by default and need to be activated and unlocked in the Zectron APP for your first use. For more information, see “Activate/Connect Your Zectron Bike” on page 13.
4. **Try out your bell** if you haven’t already! It’s an important safety tool for alerting others to your presence, especially when passing. The bell is integrated into the headlight. To ring it, press the bell button on the Display Control Pad.
5. **Select your desired level of pedal assistance (PAS)** from 0 through 5 using the plus and minus buttons. Level 0 provides no pedal assistance, level 1 provides the lowest amount of pedal assistance, and level 5 provides the highest amount. Start in PAS level 0 or 1 and increase PAS levels one at a time as you get comfortable.

 **WARNING:** Engaging the pedal assist feature, especially at a high setting, will cause acceleration that may be greater than expected, especially for relatively new riders, and that can cause loss of control, serious injury, or death. To minimize risk, start at PAS level 0 or 1.

6. **Begin riding carefully.** With the proper safety gear and rider knowledge, you may now operate

your bike. Begin by pedaling on flat ground, clear of obstacles and people, with the bike in an easy (low) gear and at pedal assist level 0 or 1.

**NOTICE:** While you're getting to know your bike, don't ride with cargo (see "Carrying cargo" on page 18 for more information). Review, understand, and follow the safety information in "Ride as safely as possible" on page 20.

7. Use the throttle (next to the right handlebar grip) by slowly and carefully rotating it toward the rider. Do not use the throttle unless you're on the bike. Not applicable to Zectron Bike 250 Version.

## Brake and Brake light

### Brake

There are two brakes on each Zectron bike, the left brake lever is for front brake, the right brake lever is for rear brake.



**WARNING:** Using the front brake by itself can cause excessive stress on components, damage to the bike and parts, loss of control, injury, or death. Always apply the rear brake before applying the front brake, using both brakes for all operations.

### Brake light

The Zectron Bike is equipped with a taillight/brake light that is integrated into the electrical system. When you turn on your bike, the headlight will flash once. Any time the bike is powered on, squeezing one or both brake levers on the handlebar will activate the brake light, causing the taillight to flash and to illuminate additional areas.

**NOTICE:** Flashing lights may not be legal in some areas. It is your responsibility to know and obey all applicable laws where you ride your ebike.

## Best practices for extending range and battery life

Follow the best practices listed below to help extend your range and battery life.

- Whenever possible, avoid applying full throttle(not applicable to Zectron Bike 250 Version) when the bike has slowed to very low speeds, has stalled, or stopped.
- Pedal to assist the motor when climbing hills and accelerating from a stop.
- Reduce your power consumption whenever possible.
- Do not climb hills steeper than 15% in grade.
- Avoid sudden starts and stops.
- Accelerate slowly.

## Folding and unfolding your Zectron Bike

**NOTICE:** Use caution to keep fingers, clothing, and other objects away from the folding

mechanisms and potential pinch points on your bike. Always check the folding mechanisms to ensure they're locked before you ride or move your bike.

Follow the procedures below to fold and unfold your Zectron Bike.

## **FOLDING**

### **1. Fold the handlebar.**

- a. Press the two release buttons on the two sides of locking lever with one hand, at the same time, using another hand to pull down on the locking lever until it comes to rest roughly parallel with the stem. The stem will still be locked.
- b. Press the one release button on the opposite of the locking lever with one hand, the locking mechanism will be fully open now. At this point, using another hand to gently fold the handlebar down so that its top rests against the bike frame.

### **2. Stand at the left side of the bike.**

**3. Open the frame locking mechanism.** Press the small locking clasp underneath the locking lever and, at the same time, pull the mechanism's quick-release lever out and toward the back of the bike to release the locking mechanism.

**4. Fold the frame.** Turn the front wheel slightly left and fold until both wheels are side by side.

## **UNFOLDING**

Reverse the folding steps listed above to unfold the frame and secure the frame locking mechanism.



**WARNING:** Using the front brake by itself can cause excessive stress on components, damage to the bike and parts, loss of control, injury, or death. Always apply the rear brake before applying the front brake, using both brakes for all operations.



**WARNING:** Riding your ebike with either of the locking mechanisms not fully secured can cause damage to the bike, serious injury, or death. Before each ride, check to ensure that locking mechanisms on the frame and on the handlebar stem are fully closed and locked.

# **Zectron App Operation**

## **Download Zectron App**

Please go to the Google Play Store (Android) or the Apple App Store (iOS) and search for "Zectron" to download and install Zectron App.

## **Activate/Connect Your Zectron Bike**

Tip: Turn on your bike before connection.

### ① Scanning for Your Bike

On the main interface of the Zectron App, locate and click the "Bluetooth Connect" button in the upper right corner or the central switch button. The app will initiate a Bluetooth scan for available bike. Once the scan is complete, your bike will appear in a list of scan results.

### ② Selecting Your Bike

Click the code of your bike shown in the scan results list.

### ③ Initiating Bluetooth Connection

If prompted, enter the bluetooth password to establish a Bluetooth connection. The initial Bluetooth password is 0000, you can change it in the settings after connection.

### ④ Retrieving Bike Information

Upon successful connection, the app will retrieve and display vital bike information (speed mode, assist level, battery status, current mileage, total mileage, maximum speed, etc.).

### ⑤ Activation/Connection Completion

At this point, your bike is successfully connected. The first connection means successful activation.

## Additional Functions

After establishing a successful connection, you can perform the following actions on the main interface:

1. Speed Modes: Toggle between speed modes using the designated button-SPORTS/NORMAL/ECO.
2. Assist Levels: Change assist levels by clicking the assist level button.
3. Headlight: Control the bike's headlight with the bottom button.
4. Bluetooth Disconnect: Tap the top right button to end the Bluetooth connection.



## Battery information

The battery that comes with your Zectron bike is a state-of-the-art, lithium-ion battery that's designed to give you years of power with proper care and use. Follow the recommendations here for the best possible performance.

- 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.

 **DANGER:** Never open the battery housing, which will void the warranty and can result in battery damage. It can also expose you to caustic substances and electrical shock or it could create a fire hazard, which can lead to serious injury or death.

 **WARNING:** Using aftermarket battery accessories or products that have not been tested by Zectron Bikes for safety and compatibility may void your warranty, create an unsafe riding condition, result in bike/property damage, or cause serious injury or death. If you use products not tested and recommended by Zectron Bikes, you do so at your own risk.

 **WARNING:** Never immerse or submerge the battery in water or liquid, including water in the battery mount, which can cause damage, serious injury, or death.

 **WARNING:** Using a damaged battery or charger can create additional bike damage or a fire hazard. Stop using your battery and charger and contact Zectron Bikes 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, crash, or shipping damage, 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 an unusual 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 Zectron Bikes if you have any questions or to purchase a compatible replacement battery or charger.

 **CAUTION:** To reduce the risk of fire, connect to a circuit provided with maximum branch circuit overcurrent protection in accordance with local related regulations and laws.

**NOTICE:** Always follow any safety information attached to the battery or charger.

**NOTICE:** Failure to follow the battery-charging best practices outlined here and in the following sections could result in unnecessary wear to the charging components, battery, and/or charger, and could lead to an underperforming or non-functional battery. Batteries damaged due to improper care will not be replaced under warranty.

## Removing and installing the battery

You can charge your battery either when it's on or off your bike. If you choose to remove it for charging, storage, transportation, security, or some other reason, keep the following best practices in mind to prevent battery damage.

### Battery Removal

To remove the battery, fold the bike frame, disconnect the wires, turn the key counterclockwise and remove the key from the keyport. Carefully pull the battery out until the battery detaches from the frame.

Be careful not to drop or damage the battery when loose from the bike.

**NOTICE:** When the battery is off the frame, protect the battery terminal contacts from damage and be sure not to touch them. If terminals are damaged, please discontinue use and contact Zectron Bikes immediately.

### **Battery Installation/Mounting**

To install the battery, carefully align and slowly slide the battery in until it's in place, turn the keyclockwise to lock the battery, then connect the wires. Ensure the battery is properly secured to the bike before each ride by locking the battery and then carefully pulling out on it to test the security of the battery's attachment to frame.

### **Before you charge**

Before you charge your battery, make sure to first check the battery, charger, and electrical cables for signs of damage. Store and use the charger in a safe place—away from children, direct sunlight, dirt, debris, tripping hazards (including electrical cords), or any materials that could ignite in the unlikely event of a charger or battery malfunction. Position the charger and battery where they're not at risk for falls or other impacts.



**WARNING:** Letting the charger's plug contact metal objects could cause a power discharge (a spark), which could injure you or create a fire hazard.



**WARNING:** Letting a battery charge unattended increases the risk that a charging problem will go undetected and lead to component damage or a fire hazard. Always charge your battery where you can monitor it.

Your battery needs to charge at room temperature or a bit cooler (50°F to 77°F (10°C to 25°C)). It generates heat while charging, but it's designed to air-cool; keep it uncovered and the lights facing upward on a flat, stable, hard surface.

**NOTICE:** Charging your battery in excessively hot conditions or interfering with its ability to air-cool can damage your battery or charger. Always charge your battery at room temperature: 50°F to 77°F (10°C to 25°C). Charging your battery at low temperatures may slow charging or prevent a full charge. Keep the battery and charger uncovered, make sure the charger is on a hard, flat, stable surface, and use the charger right-side-up (with charging lights facing upward).

## **Charging procedure**

To charge your battery, mind the advice in "Before you charge" above and then follow these steps.

1. **Ensure the battery power is off.**
2. **Open the rubber cover on the charging port.**
3. **Plug the charger into the charging port.** With the battery installed onto or uninstalled from the bike, place the charger on a flat, secure surface with the charging indicator lights facing up, and connect the output plug from the charger to the charging port on the battery or on the rear frame above the rear suspension.
4. **Plug the charger into a power outlet.** Connect the charger input plug (100/240-volt plug) to

the power outlet. Charging should initiate and will be indicated by the LED charge status light on the charger turning red. When charging is complete, the indicator light will turn green.

5. **Unplug the charger from the outlet, then the charging port.** Once fully charged, indicated by the charging indicator light turning green, unplug the charger from the wall outlet first and then remove the charger output plug from the charging port of the battery or the rear frame. Be sure to pull gently on the plugs, not on the cables themselves.

**NOTICE:** The charger is designed to stop charging automatically when the battery is full. Nevertheless, leaving your battery charging longer than necessary can cause needless wear. We recommend you remove the charger within one hour of the green light indicating a complete charge. Store the charger carefully, making sure its plug does not come in contact with liquids, dirt, debris, or metal objects, which can damage the plug and interfere with future operation.



**WARNING:** Charging your battery with a charger other than one supplied by Zectron Bikes and designed for your specific bike can cause damage to your bike's electrical system or create a fire hazard. Only use a battery charger designed for your bike and supplied by Zectron Bikes.

## Estimated charging time

The time the charger takes to fully charge the battery depends on distance traveled, riding characteristics, terrain, payload, battery age, and other factors. It takes about 5.5 hours to charge from empty to full charge.

**NOTICE:** The battery may take longer to charge when fully depleted, when very new, and after 3–5 years of regular use. If your battery doesn't seem to be charging normally, is taking longer to charge than expected, or you're experiencing substantial reduction in range, discontinue use and contact Zectron Bikes.

## Long-term battery storage

If storing your bike from Zectron Bikes for longer than two weeks at a time, follow the recommendations below to maintain the health and longevity of your battery.

- Power off the battery either locked to the frame and removed from the frame for storage.
- Store the battery in a dry, climate controlled, indoor location between 50°F to 77°F (10°C to 25°C).
- We recommend that you store your battery at approximately 40-75% charged. Check the battery's charge level monthly. If necessary, use the charger from Zectron Bikes to charge the battery to about 40-75% charged.
- Storing your battery for long periods at full charge can cause range decline over time.
- Storing your battery for long periods at very little or no charge can cause permanent range decline or a non-functional battery.

**NOTICE:** Incorrect storage of your battery can result in a damaged or non-functional battery. Follow the above recommendations to reduce such risk.

# Parking, storage, and transport

Please follow these tips to ensure your bike is well cared for when you're not using it.

## Parking and storage

Park in accordance with local rules and regulations, especially if you're in a public place.

Park indoors whenever possible, especially in rain or wet conditions.

Avoid parking or storing your bike in direct sunlight, which can cause damage to the display.

Do not park or store your bike in excessive heat, such as inside of a parked car on a hot day.

Always store your bike within this temperature range: 14°F to 104°F (-10°C to 40°C).

Switch the power and any lights off to conserve battery power. Better to bring the external battery with you for security if you have.

Register your bike (you can ask your local bike shop for recommendations) to increase the chance you'll get your bike back in the unfortunate event it's stolen.

Lock up your bike to reduce risk of theft. You can purchase a lock at any local, certified, and reputable bike shop or an online shop.

## Transporting

When pushing or carrying the bike, turn off the power.

When carrying your ebike for transport, remove the battery, and place/wrap it securely inside your vehicle, making sure it can't roll around and that its plugs and contacts are protected. This will reduce the weight of the bike, make lifting and loading it easier.

Do not leave a battery in direct sunlight or any location that is or may become excessively hot or cold, like a parked car, for extended periods.

Before using public transportation (buses, trains, etc.) to transport your ebike, check with the relevant transportation authority for any rules that might pertain to ebikes, including rules governing weight limits, tire widths, lithium-ion batteries, etc.

Avoid transporting bike(s) from Zectron Bikes on a vehicle rack during rain, which may cause water damage to the electrical components.

## Carrying cargo

Carrying cargo can help you have more fun on your ebike and replace trips you'd otherwise make

with a car. It also involves additional risks, which require special attention and care. You must read and understand this entire chapter and the rest of the manual plus any documentation that comes with any accessories you purchase before you ride your ebike with cargo. Zectron Bikes provides optional rear rack to make it easier to carry cargo. Your Zectron bike is not designed to carry passengers.

 **DANGER:** Only one person—the rider—should be on the Zectron bike at a time. Transporting a passenger (any person in addition to the rider) on the Zectron bike can result in serious injury or death to either or both the rider and the passenger. The Zectron bike is not designed for carrying passengers.

**NOTICE:** Carrying a passenger, child, or cargo may not be allowed in all areas. It is your responsibility to know and follow all applicable laws where you ride your ebike.

## Weight limits

The total maximum weight limit (payload capacity) of the Zectron Bike, listed below, includes the weight of the rider as well as clothing, riding gear, cargo, accessories, etc. Always hold onto the bike when cargo is being loaded or in place.

Total maximum payload of the Zectron Bike: 297 lb (135 kg)

Rear rack maximum payload: 44 lb (20 kg)

 **WARNING:** Never exceed the payload limit of any accessory or component of your bike even if you attach to it an accessory that carries a higher weight limit. Overloading any component can cause component failure, loss of control, serious injury, or death.

## Carrying loads (cargo) safely

Follow these recommendations to maximize safety when using your Zectron bike to carry cargo. Carrying extra weight significantly affects braking, acceleration, turning, balancing, etc. These effects can be increased by challenging riding conditions, such as when roads are wet or slick. Hills that are normally easy to climb or descend without cargo can become challenging or even dangerous once extra weight is loaded onto the bike. Extra weight will increase the time it takes to slow the bike when braking.

Practice riding with light cargo in a flat, open area that's free of obstacles before attempting to ride with heavier loads, and/or in wet or hilly conditions.

With extra weight on your bike, it's more important than ever to use both front and rear brakes, and always engage the rear brake first to prevent excessive strain on the front wheel and fork and to prevent loss of control. Ensure both front and rear brakes are properly adjusted, maintained, and applied.

Load cargo as low as possible to keep the bike's center of gravity low and improve stability. Hold onto the bike when loading and carrying cargo. The kickstand is not designed to be used for loading cargo. Do not assume the bike is stable and balanced when using the kickstand.

Ensure cargo loads are properly secured and periodically check that nothing loosens, risks interfering with any moving parts, or risks touching or dragging on the ground. When carrying heavy loads, plan your routes to avoid challenging hills and other hazards. It is always the rider's responsibility to ensure cargo loaded on the ebike will not interfere with the rider's ability to safely operate the ebike.

 **WARNING:** Failure to ensure that cargo can't interfere with the rider's control of the bike can lead to serious injury or death. The rider is always responsible for securing loads, loose straps, and other items.

 **WARNING:** Carrying cargo significantly affects braking, acceleration, turning, and balancing, which can increase the risk of falls and other accidents, potentially leading to property damage, serious injury, or death. To minimize such risk, practice riding with light cargo in a flat, open area before attempting to carry heavier cargo, especially on roads or hills and in wet conditions.

 **WARNING:** Loading cargo without holding onto the Zectron Bike can cause the bike to tip, leading to damage or serious injury. The kickstand is designed to hold up an unoccupied, unloaded bike on a hard, flat, stable surface, not to support the weight of a rider or cargo. Always hold onto the bike when loading or unloading cargo.

## Carrying pets

Zectron Bikes understands that you may want to bring your pet along on your bike adventures. We urge you to take great care to protect your furry friend and yourself. We cannot recommend any pet carrier or restraint system that we have not tested for compatibility and safety with your ebike from Zectron Bikes.

 **WARNING:** Transporting a pet using any bike puts you and your pet at risk of injury or death, especially if the pet distracts you, affects your balance, interferes with moving bike parts, etc. It's impossible to anticipate every situation that can occur while riding with a pet. If you carry a pet on any bike, you assume any and all inherent risks.

## Ride as safely as possible

Ride Zectron bike by taking the sensible measures outlined in this section to maximize your safety. Bicycling is an exciting, delightful, and practical way to get around, but like any sport, it involves risk of injury and death. By choosing to ride a bike, you assume responsibility for those risks.

 **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, consult a local, certified, reputable bike mechanic.

## Be thoroughly educated about your bike before riding it

Practice riding your bike, braking, shifting gears, and using the throttle and pedal assist systems in a controlled location before venturing into traffic or other risky conditions.

The electrical system on your ebike offers various levels of power assistance and lighting for different operating conditions and user preferences. Be sure you understand these features before riding. The throttle should provide smooth acceleration when gradually applied. If the pedal assistance, throttle, or lighting is functioning abnormally, intermittently, or not at all, please discontinue using your ebike immediately and contact Zectron Bikes for assistance.

Take extreme care getting to know and learning to control the pedal assist and brake systems. Your Zectron bike is probably heavier than other bikes you've ridden, and it will handle quite differently from lighter bikes, especially when you're accelerating or decelerating. Learn to maintain a comfortable stopping distance from all other objects, riders, and vehicles at different speeds, conditions, and with varying payloads.

## Age and ability requirements



**WARNING:** This ebike is not to be operated by anyone under the age of 18. Children under the age of 18 may lack the necessary judgment and skill to safely operate the ebike, potentially resulting in damage to the bike, damage to other property, serious injury, and/or death. Please also check your local laws, which may require a higher age.

It is your responsibility to know and obey local regulations regarding rider age and other qualifications.

Riders must also have the physical ability, reaction time, and mental capability to understand and obey all local laws governing ebike usage and to manage traffic, variable road conditions, and sudden situations. If you have an impairment or disability (e.g., visual impairment, hearing impairment, physical impairment, cognitive or language impairment, seizure disorder) or any other limitation that could affect your ability to safely operate a vehicle, consult your physician before riding any bike.



**DANGER:** Riding any bike under the influence of alcohol, drugs, or any substance or condition that could impair your motor function, judgment, reaction time, or ability to safely operate a vehicle puts you at VERY HIGH RISK of serious injury or death. Operate bikes and other vehicles only when you're sober and otherwise physically and mentally prepared to ride safely.

## Know and obey all relevant local laws

It is your responsibility to research and understand relevant laws where you ride your bike. Such laws may cover required helmets and safety gear, required lights and reflectors, required hand signals, where you can legally ride a bike (bikes and ebikes may have different restrictions), how fast you can go, what (if any) cargo or passengers you can carry, rider age, and more.

Before using public transportation—buses, trains, etc.—to transport your ebike, check with the relevant transportation authority for any rules governing weight limits, tire widths, lithium-ion batteries, or any other rules that might pertain to ebikes.

When you ride on the road, assume you must, at minimum, follow all of the rules that cars must follow. For additional information regarding traffic and vehicle laws, contact the road traffic authority in your area.

## Ride appropriately for conditions

Always travel at speeds appropriate for local terrain and conditions as well as your experience level. When in doubt, slow down.

**WARNING:** Using the front brake by itself can cause excessive stress on components, damage to the bike and parts, loss of control, injury, or death. Always apply the rear brake before applying the front brake, using both brakes for all operations.

Always use a low pedal assist level until you are comfortable with your Zectron bike and confident about controlling its power, weight, and responsiveness (e.g., during start-up, turns, and braking) at different speeds, in different conditions, and with whatever payloads you might carry.

Riding with your headlight on will make you more visible in any conditions. We recommend you keep it on whenever you ride.

Concentrate on the path ahead. Avoid potholes, gravel, ice, wet or oily roads, wet leaves, curbs, train tracks, speed bumps, drain gates, thorns, broken glass, and other obstacles, hazards, and puncture-flat risks.



**WARNING:** Crossing train tracks or similar grooved or raised surfaces at a diagonal can make the surface “grab” or deflect your wheel, causing your bike to suddenly get stuck or crash, leading to serious injury or death. Always cross such hazards at a perpendicular angle or, when in doubt, dismount and walk your bike across.

### PATH RIDING

Be a good citizen of shared-use paths and facilities. Keep your speed reasonable and below path speed limits, pass carefully and kindly. Use your voice and/or bell to signal your presence to others, especially when passing.

### ROAD RIDING

When riding on streets, obey the same road laws as all other road vehicles as well as local rules governing bike or ebike usage.

Sharing the road with other vehicles presents many hazards. Always take these precautions:

- Expect the unexpected such as opening car doors or cars backing out of driveways.
- Be extra careful at intersections and when preparing to pass other vehicles or other cyclists.
- Ride predictably, in a straight line, and with the flow of traffic. Never ride against traffic.
- Use correct hand signals to indicate turning, and do so well in advance of turning.
- Ride defensively. To other road users you may be hard to see.
- Increase your visibility by following the tips in “Low-visibility conditions” below.

### **OFF-ROAD RIDING**

Riding off road requires close attention and specific skills, and it presents variable conditions and hazards. We don't recommend to ride off road. If you choose to ride off road, wear appropriate safety gear and do not ride alone in remote areas.

### **HOT CONDITIONS**

Riding, parking, or storing your bike in excessively hot conditions can cause damage to the display and other components. Do not park or store your bike in direct sunlight for extended periods.

### **LOW-VISIBILITY CONDITIONS**



**WARNING:** Riding at night or in other low-visibility conditions (dawn, dusk, fog, rain, mist, snow, etc.) makes it harder to see and avoid hazards and makes it harder for others to see and avoid you, which increases risk of accidents, serious injury, or death. Wet, slippery surfaces will compound your risk of injury or death. Avoid these conditions whenever possible. If you must ride in these conditions, following the guidelines below can reduce risk.

- Wear reflective and brightly colored clothing.
- Slow down.
- Use familiar routes with street lighting if possible.
- Ensure tire wall, pedal, and other reflectors are installed and unobstructed.
- Ensure headlight and taillight/brake light are functioning correctly and unobstructed. Use them.

### **WET CONDITIONS**

It is recommended that you do not ride in wet weather if you can avoid it. Ride in wet weather only if necessary. This electric bike is not meant for use in puddles, heavy rain, or streams. Never immerse or submerge this product in water or liquid as the electrical system may be damaged. Water damage is not covered under warranty.



**WARNING:** Riding in wet conditions means slippery hands, feet, and riding surfaces, which greatly increases your risk of accidents, serious injury, or death. Low-visibility conditions (night, dusk, dawn, fog, mist, rain, snow, etc.) will compound your risk of injury or death. If you must ride in wet conditions, following the guidelines below can mitigate risk somewhat.

- Decrease riding speed to help you control the bike in slippery conditions.
- Brake earlier since it will take longer to slow down than in dry conditions.
- Take care to be more visible to others on the road, following the tips in “Low-visibility conditions” on the previous page.
- Remember that road hazards are more difficult to see when wet, so proceed with extra

caution.

### **EXTREME RIDING**

There are no appropriate conditions for extreme riding, Zectron bike is not meant for extreme riding. Zectron Bikes strongly recommends against such inappropriate and dangerous use of its products.



**DANGER:** Extreme riding puts you at VERY HIGH RISK of serious injury or death. Extreme riding includes but is not limited to jumps, stunts, or any riding that exceeds your capabilities or the strength and integrity limitations of certain bike components and/or otherwise leads to dangerous situations. Never engage in extreme riding or any type of riding that exceeds your capabilities.

### **Wear a helmet and appropriate safety gear**

We strongly advise that you wear a properly fitting, certified bicycle safety helmet while riding your bike, which may be required by law in your area.

Wear appropriate safety gear including closed-toe shoes. If you are wearing loose pants, secure the bottom using appropriate leg clips or bands to prevent the fabric from flapping and getting caught in the chain or other moving parts. Never use items such as headphones or hoods that can compromise your hearing or field of vision. A local, certified, and reputable bike shop can help advise you on what gear is best for the weather and other riding conditions in your area. Maximize your visibility with bright colors and reflective outerwear or vests. Never compromise your ability to be seen or heard by removing your bike's reflectors, blocking or removing the headlight or taillight, or removing the bell.



**DANGER:** Riding any bike without a helmet puts you at VERY HIGH RISK of serious head injury or death. Always wear a properly fitted helmet that covers the forehead. Many locations require specific safety devices. It is your responsibility to familiarize yourself and comply with the laws, rules, and regulations where you ride.

### **Check and service your bike regularly**

On any bike, certain parts need to be replaced periodically due to wear, and sometimes parts become damaged for various reasons. Check your bike before each ride. Have your bike regularly serviced by a certified, reputable bike mechanic.

Components of any ebike are subject to higher wear compared to the components of bikes without power assistance. This is because ebikes can travel at higher average speeds than regular bicycles and generally weigh more. Higher wear is not a defect in the product and is not subject to warranty. Typical components affected are the tires, brake pads and rotors, spokes, wheels, and the battery.

If you need to replace a part on your bike, contact Zectron Bikes. Be extremely careful about using parts or accessories that Zectron Bikes has not tested for safety and compatibility with your Zectron bike.



**WARNING:** Using aftermarket accessories or components (trailers, stands, vehicle racks, etc.) that have not been tested by Zectron Bikes for safety and compatibility with your Zectron bike may void your warranty, create an unsafe riding condition, result in bike/property damage, or cause serious injury or death. If you use replacement parts or accessories not tested

and recommended by Zectron Bikes, you do so at your own risk.

## Legal

### California Energy Commission (CEC)

#### Battery Charger (BC) Mark



The Zectron bike has been certified to comply with the 2019 APPLIANCE EFFICIENCY REGULATIONS and California Code of Regulations, and as such can bear the California Energy Commission (CEC) BC mark.

### FCC STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Portable devices:

This device complies with FCC's radiation exposure limits set forth for an uncontrolled environment.

**WARNING:** Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device must not be collocated or operating in conjunction with any other antenna or

transmitter.

Attention: Certification and Engineering Bureau

This letter is to confirm that we have accepted the responsibility to act as Canadian Representative on behalf of the Applicant noted below all future industry Canada certification / registrations obtained during the period of this agreement which end at the specific date below (if applicable).

As Canadian Representative, we are aware of the requirement involved as outlined in Industry Canada applicable documents (RSP-100 issue 11, section 2.1 and/or DC-01 issue 7, section 3)

Attention: Certification and Engineering Bureau

This letter is to confirm that we have accepted the responsibility to act as Canadian Representative on behalf of the Applicant noted below.

As Canadian Representative, we are aware of the requirement involved as outlined in Industry Canada applicable documents (RSP-100 issue 11, section 2.1 and/or DC-01 issue 7, section 3)

## **Bike Performance Disclaimer**

The bikes range and top speed are estimates (not guarantees) of expected performance.

Performance will vary with rider weight, cargo weight, rider/cargo shape (both contribute to drag), terrain, tire pressure, brake adjustment, throttle vs PAS usage, pedal power, battery charge level, ambient temperature, and wind conditions. Under certain conditions it is possible to get ranges and top speeds that are different from the estimates.

## **Liability Disclaimer**

Riding any kind of bicycle comes with inherent risks and dangers that cannot be predicted or avoided. These dangers could result in a serious accident, injury, or death of the rider. It is the sole responsibility of the rider to become properly educated and prepared to ride safely. Once in possession of the bike, Zectron Bikes strongly encourages and recommends that all customers have a certified and reputable bicycle mechanic complete a full inspection of each component on the bicycle to ensure it is safe for operation. Zectron Bikes makes no claims or guarantees that the brakes, battery, frame, motor, motor controller, display, electrical cables, electrical cable housings, fasteners, grips, fork, stem, shifters, headset, seat post, seat post clamp, handlebar stem clamp, saddle, wheel hubs, handlebars, spokes, rims, tires, tubes, derailleur, freewheel, cassette, throttle, kickstand, lights, reflectors, hardware, bottom bracket, or any other part or accessory, will be properly secured and adjusted upon arrival. Before every ride, fully inspect your bicycle to ensure everything is secured and adjusted properly.

Under no circumstances is Zectron Bikes responsible for any damage resulting from damaged, defective, or improperly secured parts. This includes, but is not limited to, damage to personal property, personal injury, or death.