



---

# OWNER'S MANUAL

Model: SR





---

E Ride Pro, Inc. is not responsible for any injuries that may occur while using this product. This product should only be used by people who have extensive knowledge of, and experience in riding performance Off-Road vehicles. The recommended age of use is 16 years old and up. By using this product, you the risks inherent in operating a high-power, high-speed motor-driven vehicle. It is important to note that during normal operation, due to the high power and speed nature of the SR, pebbles, dirt or sand may become embedded into the throttle handle, causing the throttle to not respond as when free of debris. If you believe your throttle's response to be inhibited, please turn off the power immediately, clean out any possible debris in the throttle assembly and then test the throttle's responsiveness before riding again. When the throttle is operating properly, there is no noise and or resistance.

This product is for Off-Road use only.





---

## Table of Contents

|     |                                  |
|-----|----------------------------------|
| 002 | Important Message and VIN Number |
| 003 | Components                       |
| 006 | Protective Equipment             |
| 007 | Charging and Warning Information |
| 013 | Components Function              |
| 020 | Quick Installation Guide         |
| 028 | How to Ride                      |
| 030 | Technical Specifications         |
| 031 | Errors and Solutions             |
| 033 | Circuit Diagram                  |
| 034 | Error Codes                      |
| 035 | Blue-tooth Instructions          |



---

## **An Important Message from E Ride Pro**

Dear Valued Customer,

Congratulations and thank you for purchasing an E Ride Pro off-road eMoto! We would like to welcome you to the community of E Ride Pro riders. This manual is designed to provide you with a foundational understanding of the operation, inspection, and basic maintenance requirements of this off-road eMoto.

E Ride Pro continuously seeks advancements in product design and quality. Therefore, this manual contains the most current product information available at the time of printing. Because technology is constantly changing, your motorcycle may differ from the information supplied in this owner's manual. No legal claims can be made on the basis of data in this manual. If you eventually decide to sell your E Ride Pro off-road eMoto, please ensure that this manual stays with this eMoto; it is, by law, an important part of the vehicle. If you have any questions concerning the operation or maintenance of your E Ride Pro off-road eMoto, please contact your local E Ride Pro dealer.

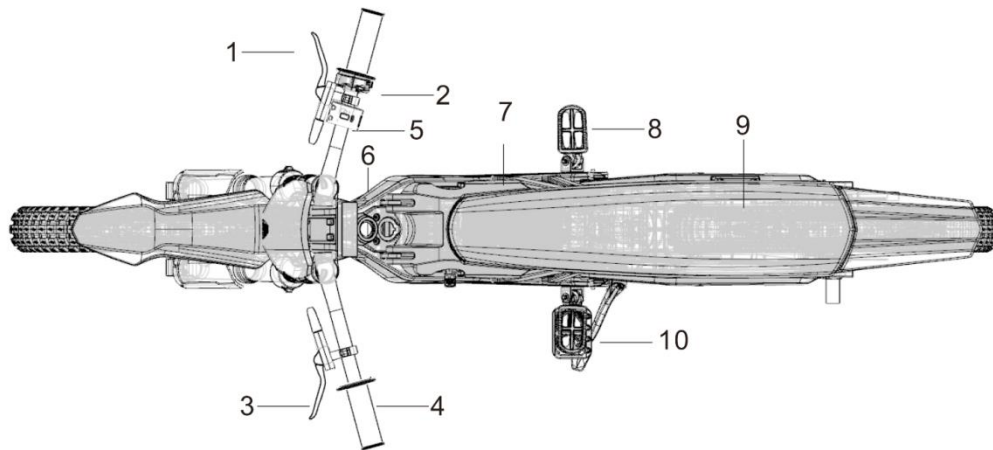
### **Vehicle Identification Number (VIN) & Motor Number**

- The VIN is a 17-digit number stamped on the head tube of the frame. Do not alter or remove this number as it is the legal identifier for your electric motorcycle.
- The motor number is stamped on the motor enclosure.



## Components

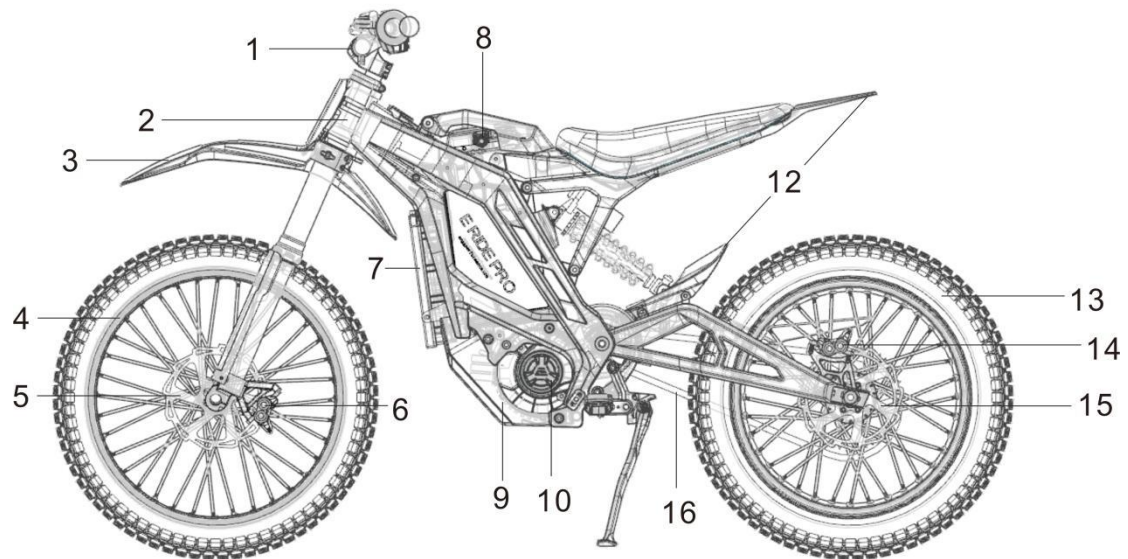
Please refer to the illustrations below to identify the components and become familiar with your off-road eMoto



**Illustration 1**

1-1 Front Brake Lever  
1-3 Rear Brake Lever  
1-5 Handlebar  
1-7 Battery Pack Holder Cover  
1-9 Seat

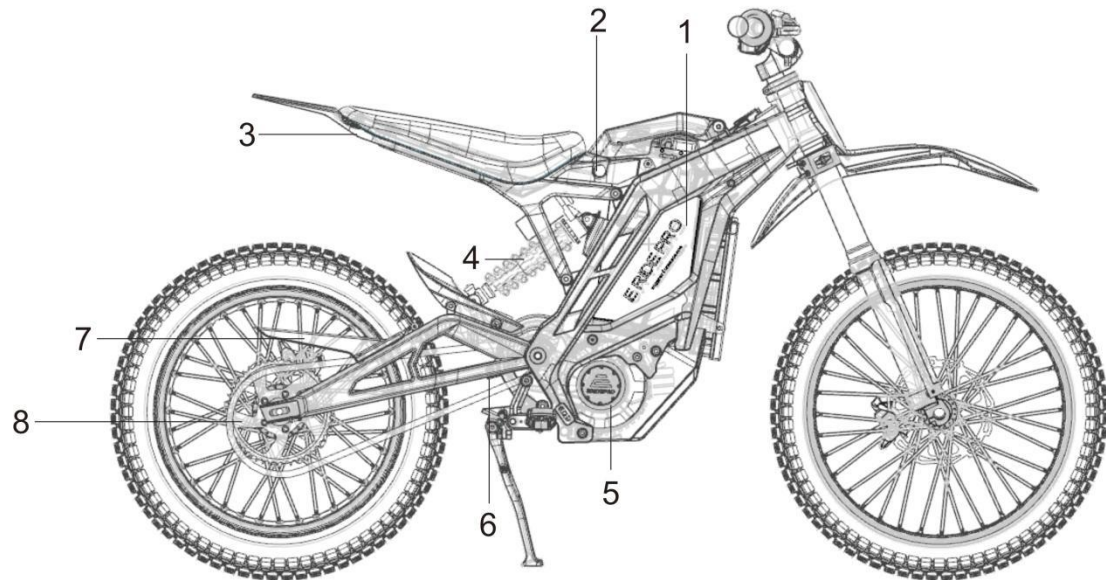
1-2 Throttle Control  
1-4 Handle Grip  
1-6 Key Switch  
1-8 Foot Peg  
1-10 Side Kickstand



**Illustration 2**

2-1 Headlight  
2-3 Front Fender  
2-5 Front Disc Rotor  
2-7 Controller  
2-9 Skid Plate  
2-11 Frame  
2-13 Rear Wheel  
2-15 Rear Disc Rotor

2-2 Front Fork  
2-4 Front Wheel  
2-6 Front Brake Caliper  
2-8 Battery Pack Charging Port  
2-10 Belt Pulley Cover  
2-12 Rear Fenders  
2-14 Rear Brake Caliper  
2-16 O-Ring Chain



**Illustration 3**

3-1 Battery Pack

3-3 Tail Light

3-5 Motor Assembly

3-7 Chain Guard

3-2 Battery Pack Holder Lock

3-4 Rear Shock

3-6 O-Ring Chain

3-8 Sprocket



---

## Protective Equipment

### **Necessity of Motorcycle Riding Gear when Operating the SR eMoto**

Unlike cars, motorcycle riding requires protective gear to protect the rider from injuries in the event of an accident. This typically includes a helmet, gloves, boots, riding suit, riding pants, and armor. Note: due to the nature of eMoto riding, protective riding gear does not guaranty against injury or death, should an incident occur.

#### **1. Helmet**

Off-road helmets are different from regular motorcycle helmets. They cover your full head, face, mouth, and chin and are lighter weight than many pavement-oriented motorcycle helmets. Off-road helmets and goggles have a detachable design that provide better eye protection, and there is a sun visor on the top of the helmet to block the sunlight and reduce splashes of mud and rain.

#### **2. Armor and Riding Suit**

Full-body armor suits are essential for off-road riding. They provide protection to the chest, back, shoulders, elbows, knees, shins and skin. Riding in an off-road specific long-sleeved shirt and pants will cover the armor which can resist dirt, mud, gravel, and other debris during off-road riding.

#### **3. Gloves**

Full-fingered gloves are also crucial for off-road motorcycle riding. The palm area should use non-slip fabric, and the joints should have good flexibility. The back of the hand should also be able to prevent hand injuries in case of a fall and prevent blisters during long rides.

#### **4. Boots**

Off-road motorcycle riding boots are mostly made of hard plastic and leather or a similar textile. They are taller and stiffer than regular boots, and in turn, provide better protection to your feet, ankles and lower legs compared to regular boots or tennis shoes.

#### **5. Travel Gear**

A backpack or hydration pack may be needed for short or long distances.

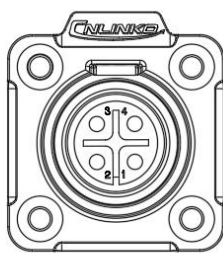
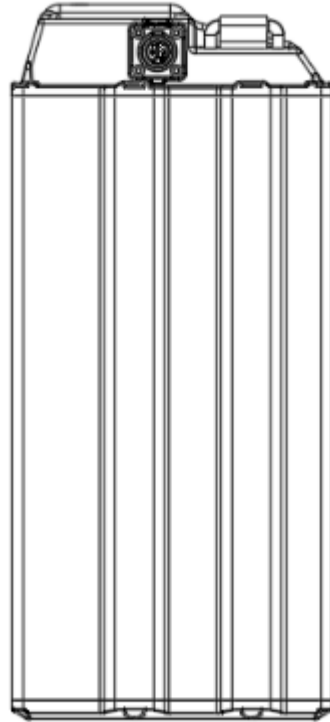
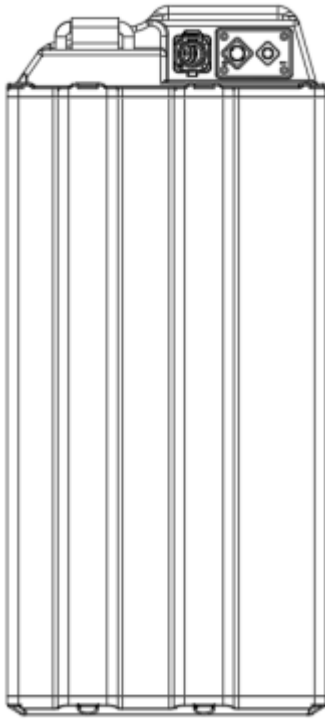
#### **6. Rain Gear**

If you must ride in rainy weather, it is advisable to wear a raincoat, or a waterproof riding suit. For long rides, it is recommended to carry rain gear. Staying dry will be more comfortable and keep the rider more alert.



---

## Charging and Charger Information



### Safety Procedures and Instructions:

Before using the battery, please read the user manual and the markings on the battery surface carefully. Always charge the battery in a normal, indoor environment. During use, keep away from heat sources, high voltage, and prevent children or pets from interacting with the battery or charger. Do not drop or strike the battery.



Do not short-circuit the positive and negative terminals of the battery. Do not disassemble or modify the battery by yourself. Do not allow the battery remain damp to avoid any damage.

To prevent damage to the battery, do not turn on the device while the battery is short-circuited.

Do not short-circuit the charging interface of the battery while it is being charged to avoid damaging the battery.

When not in use for an extended time, please store the battery properly. Keep the battery in a partially charged state, between 60-70%. Wrap the battery with non-conductive material to avoid direct contact with metal which may damage the battery. Store the battery indoors, in a cool and dry place.

Dispose of the battery safely and properly. Do not place the battery in fire or water.



#### **Warning:**

Please charge the battery in an environment above 37°F as charging below 37°F will cause battery damage. A battery protection feature will prevent charging below 37°F.

Avoid using and storing the battery in environments below -4°F or above 122°F. If not used for more than 30 days, please store the battery with a charge between 60-70% in a cool and dry place, and check the charge level every 60 days. Otherwise, the battery may be damaged.

Do not place the battery in fire or water. Disassembling the battery pack is prohibited.

#### **Portable Charging:**

Proper battery removal for remote charging: before removing the battery, first press down on the battery cover with your left hand and insert the key into the cover hole. Twist it to the left to open the battery cover, turn off the battery power button (press and hold the button for 3 seconds. The LED lights will go out one by one). Next, insert the DC charger head into the battery charging port. Finally, plug the AC charger plug into the main power outlet. After the battery has fully charged, first unplug the AC charger plug and then unplug the DC charger plug.





---

### **Charging the Battery While Installed in the eMoto:**

How to charge the lithium battery while connected to the vehicle: first, decouple the power cables (**Illustration 4**), then insert the DC charger head into the battery charging port and finally plug the AC charger plug into the main power interface.

When the battery is fully charged, first unplug the AC charger plug from the power outlet, and then unplug the DC charger plug from the bike.



**Illustration 4**

#### **Precautions:**

1. The charger will perform a battery detection cycle and abnormal connection test during the first 15 seconds of connection. The fan will stop rotating during detection and normal charging will begin after detection is successful.
2. Do not charge the battery below 37°F. The battery will not activate the charging function below 37°F as the charging temperature range is 37°F to 113°F.
3. When charging the battery, please place it out of the reach of children.
- 4 Do not touch any interface of the battery with your hands while charging, as it may cause personal injury.
5. Do not touch any interface of the battery with a metal object while charging, as it may damage the battery and/or cause injury.
6. If the battery won't charge after riding in cold weather, place it near a gentle heat source for several hours to raise the internal temperature to 80-90F degrees.
7. After riding in warmer weather, allow the battery to cool for 2+ hours before charging.
8. If you smell any unusual odor or notice excessive heat during the charging process, or if the battery still cannot display full charge after 5 hours, please stop charging immediately and send it to a repair center for inspection.

Only an approved E Ride Pro charger should be used to charge an E Ride Pro battery pack. Any unauthorized chargers may damage the battery pack, void the warranty and pose serious safety risks. Check the charger to ensure that the input voltage matches the local power supply voltage (AC 110V / AC 220V) as indicated on the charger.



The battery pack can be charged either while installed on the electric motorcycle or directly by removing the battery pack.

While charging, the red indicator light will blink. Once the battery pack is fully charged, the green indicator light will remain on. Typically, it takes about 4 hours for the battery pack to fully charge.

Once the battery pack is fully charged, the charger will automatically shut off. However, for safety reasons, it is recommended to disconnect the AC power cord from the power outlet within 6 hours after the battery pack is fully charged.

Unauthorized and personnel are not allowed to disassemble the battery pack; doing so may cause damage to the battery pack, pose serious risks and void the warranty.

### **Transportation:**

The battery should be packaged in a box in a semi-charged state (50%~60% charged). During transportation, it should be protected from severe vibration, impact, or compression, and should be protected from exposure to sunlight, heat and moisture. For transportation by train, airplane or other commercial transport systems, please contact the carrier for any potential prohibitions.



### **Warning:**

The battery has an internal protective mechanism and circuit to prevent hazards. Improper disassembly will damage the safety functions and may cause the battery to overheat, smoke, deform, or ignite. Any tampering with the battery will void the warranty.

Do not connect the positive and negative terminals of the battery with metal, and do not store or move the battery together with metal objects. If the battery short circuits, it will damage the battery, causing it to overheat, smoke, deform, or ignite.

Heating or burning the battery may possibly melt the battery's insulation, disable the safety function, or damage the battery cells. Overheating may cause the battery to smoke, deform, or ignite.

Do not use or store the battery near flames or in an environment exceeding 167°F. This will cause a short circuit inside the battery, resulting in overheating, smoking, deformation, or ignition.



---

Do not soak the battery and never submerge the battery in water. Doing so may cause the loss of the internal protective mechanism and cause abnormal chemical reactions, leading to the battery overheating, smoking, deforming, or igniting.

Avoid storing or charging the battery near a fire source, extreme heat, or under direct sunlight, as it may cause the loss of the internal protective mechanism and cause abnormal chemical reactions. Doing so will shorten the battery life, and potentially cause failure, overheating, smoking, deformation, or ignition, and will void the warranty.

Use the dedicated charger and charge the battery correctly. Charging the battery with a non-dedicated charger can be dangerous. Charging under abnormal conditions may cause damage to the internal protective mechanism causing abnormal chemical reactions. This leads to overheating, smoking, deformation, or ignition of the battery.

Do not use metal tools to pry at, hammer, or strike the battery. No tools are needed to install or remove the battery from the eMoto. This will void the warranty.

Do not attempted to plug the battery directly to a power outlet. A large current will pass through the battery causing damage, overheating, smoking, deformation, or ignition of the battery. This will void the warranty.

The battery should not be used with non-approved devices. Improper usage can damage the battery's performance, reduce its lifespan, and even cause overheating, smoking, deformation, or ignition of the battery. This will void the warranty.

#### **Other Matters:**

The above descriptions serve as an agreement for both the supplier and consumer regarding the performance and inspection of the battery. If there are no new written agreements or changes, this manual is to be followed. This technical specification is based on customer requirements, cell specifications, and other relevant standards.



---

### **Battery Charger Information:**

Connect the battery charger plug to the battery and then connect the AC110 charger to the wall.



### **Safety Tips for Electrical Use:**

It is necessary to use a power source with reliable grounding. The ground wire of the power source should be insulated and should not be connected to shared facilities such as water pipes. Distinguish between the ground wire and neutral wire of the power source and do not connect these two conductors together. For the safety of you and your family, if there are any areas in your home where the electrical system does not meet the above requirements, please make improvements as soon as possible.



## TFT Display Instrument Panel Instructions



**Trip A/B Mileage:** Can calculate two different points of origin. One for the total trip. One for a special point of interest.

**ODO:** Total Mileage. The Distance the bike has gone since it was manufactured.

**ECO:** The power output, speed acceleration and top speed are reduced, which is more suitable for the novice rider, and riders who want more battery range.

**SPORT:** The power output, speed acceleration, and top speed are increased, this is more suitable for the experienced rider

**RACE:** You will get higher power output and dynamics than in Sport mode



: Regen System include Level 1 and 2



## Keyboard Instructions



**#1:** Long press to enter the settings interface, confirm the selected function, long press within the settings panel to return to the interface.

**#2:** In the settings panel, you can cycle through the upper selected functions.

**#3:** In the settings panel, you can cycle through the lower selected functions.



---

### Specific Function

#### Controls located on the left side of the handlebars



**Illustration 6**

The “M” button to the right of the grip represents the gear mode. You can switch between ECO / SPORT/ RACE with a 2-second long press.



Regen Mode 1: Click once is mild momentum kinetic energy recovery systems



Regen Mode 2: Click twice is strong momentum kinetic energy recovery systems



Reverse: Offers assistance when the rider needs to push the eMoto in reverse



The following buttons are found next to the right handlebar grip: **Parking**, which faces the rider, and **Head/Tail Lights** and faces the front wheel.

**Chain side view of handlebar from normal rider position**



**Chain side view of handlebar from the front of bike, looking backward.**



The head/tail light switch is located directly behind the parking button, accessed with pointer finger.

Note: when starting the bike, you need to press 'P' once. Only when the display shows 'Ready', you can twist the throttle to start. After riding, when the bike is in a stationary state, it automatically enters Parking after 60 seconds.



### Special Attention

- When you choose “ECO” mode, the power output, speed acceleration and top speed are reduced, which is more suitable for the younger rider or riders who want more battery range.
- When you choose "SPORT" mode, the power output, speed acceleration, and top speed are increased, which is more suitable for an experienced rider. Before engaging SPORT mode for the first time, please make sure you are acclimated to the bike, skilled, and properly protected with riding gear.
- When you choose “RACE” mode, power output is maximized for high speed or race scenarios.
- To assist with turning around on trails, you can press R and the throttle to reverse automatically.

### Front Fork

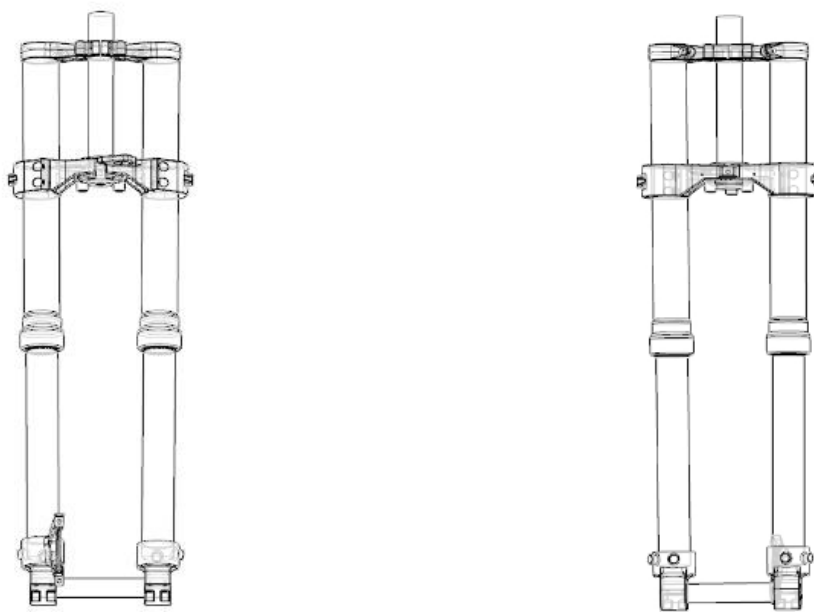


Illustration 7

### Front Fork Inspection

Hold the handlebars and compress the front fork a few times to check for binding and proper compression.

Check front fork assembly for things such as oil leaks, scratches, and friction noises on the working area of the front fork legs.

Inspect for any mud or sand sticking to the fork assembly after riding. Please wipe down fork stanchions and uppers after each ride, as damage to the oil seals could lead to leakage.



---

If any issues are found with the suspension components, contact your place of purchase for after-sales service for inspection and resolution.

### **Rear Shock Adjustment**

The rear shock absorber is already adjusted to the optimal state when the vehicle leaves the factory, suitable for the majority of situations. Please do not adjust it by yourself.

### **Front Fork Care**

Before each ride, check the following:

1. Wipe and clean the inner stanchions with a microfiber rag, and check the entire fork for any obvious damage.
2. Check if the headset is properly adjusted, including the stem cap bolt, stem pinch bolts and triple trees. The handlebar should rotate freely, but there should be no play when holding the front brake and rocking the bike back and forth. If there is movement between the headtube of the chassis and the steer tube/triple trees, then more preload on the bearings is required. Failure to keep proper preload on the headset may result in unrepairable damage to the frame and/or fork and could cause crash and/or serious injury.
3. Ensure that the front brake hydraulic line is properly configured and adjusted for brake assembly clearance to avoid rubbing in critical areas such as the tire lugs or kinking during fork compression.



4. Check the torque of the stem caps and bolts.

Note: The steering tube and inner stanchions of the fork must be kept parallel. (After heavy impact, the fork may exhibit signs of bending forward or twisting.)

### **Fork and Shock Maintenance**

Like other motor vehicles and bicycles, routine suspension maintenance is required to ensure proper and safe operation of the SR eMoto. While the fork and shock carry a warranty from Fast Ace, this does not include consumables such as seals and suspension oil, which need to be regularly checked and replaced. Though maintenance intervals vary greatly depending on riding style and terrain, your suspension should be serviced by a specialist or profession every 100 hours or annually at the very least. Failure to do so will decrease performance and may compromise the integrity of the fork assembly, which could lead to an accident or crash.



---

### **Belt Maintenance Precautions:**

- Check the belt tension every 300 miles or every 3 months. If the belt can move more than 1/8" up or down while pushing at the midpoint between the two pulleys, the belt needs to be tightened again. For specific operation standards, consult a qualified retailer.
- If the belt deviates or wears at the edges, inspect the jackshaft axle and bearings for damage.
- After riding in harsh environments, check the transmission system. If there is sediment accumulation in the system, rinse it with clean water before riding again.
- If foreign objects enter the wheel system and cause abnormal damage to the belt, replace the belt promptly and check the condition of the pulley. If the pulley is damaged, replace it.

### **Attention:**

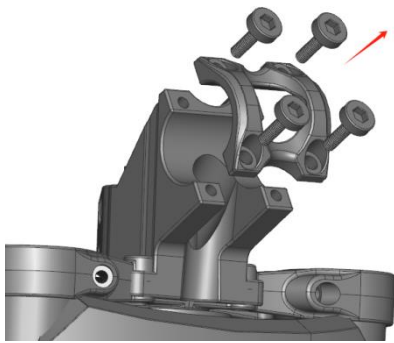
Check all fasteners for proper tension monthly, including bolts, screws and connections.



## Quick Installation Guide

### Install the Handlebars:

1. Use a 4mm hex wrench to loosen and remove the 4 cover bolts.

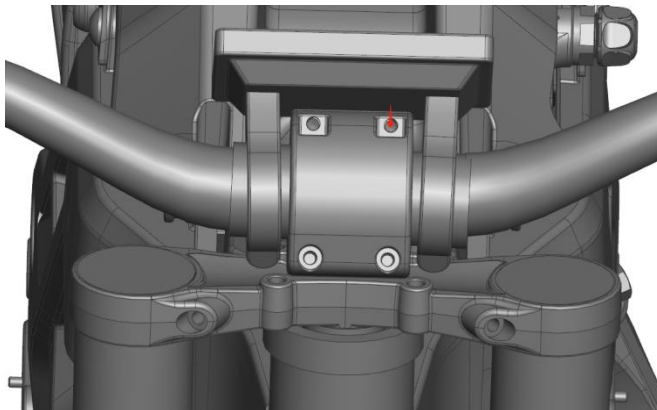


2. Attach the left and right front brake lever assemblies and throttle assembly to the handlebars as shown in the illustration below.

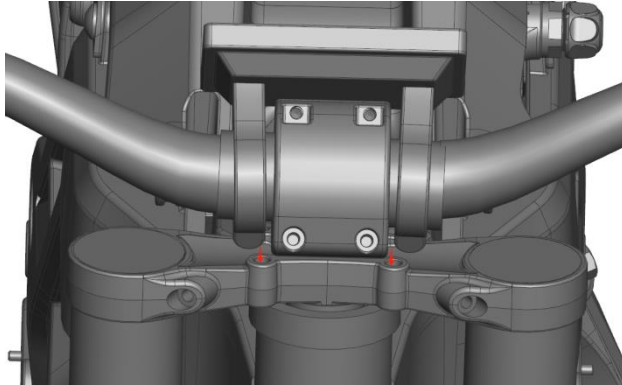


⚠ Don't tighten yet.

3. Install the handlebars, fix the vertical cover, and adjust the angle and position of the handlebars according to personal riding style.



4. Using a torque wrench, tighten the 4 bolts 6-8Nm.



### Install the Front Instrument Display:

1. After installing the instrument display, recenter the throttle grip with 2mm of end play to ensure proper throttle function.



If 2mm is not achieved, the throttle rotation will become stuck and could cause serious injury.

2. The brake levers should be tilted forward about 35°, or in line with the rider's arm angle while in riding position.





Lock the grip assembly and front brake lever with a 4mm and 5mm hex wrench. Rotate the throttle assembly to ensure freedom of natural component movement.



**Attach and Secure Cables as Shown:**

1. Use the supplied zip-tie to secure the cables as shown in picture below. Trim the end of the zip-tie when satisfied that all cables are secured.



1. Secure brake line and cable with tie wrap to the appropriate location.
2. After the cables are securely placed, test the rotation back and forth with the handlebars to ensure that all the wiring harnesses are relaxed without pulling and tightening.



3. Do not wrap wiring and cables together to avoid binding and unwanted cable pulling. Pay special attention to the front headlight wiring while considering freedom of all cables.

### Install Front Wheel:

1. Release the 4 axle pinch bolts at the drop outs of the front fork with a 4mm hex wrench.



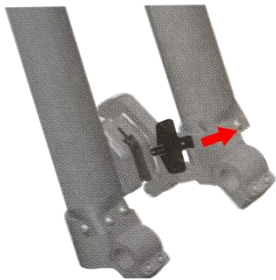
2. Remove the thru axle side bolt on one side of the front wheel thru axle with an 8mm hex wrench. If needed, tap gently with a mallet remove the thru axle.



3. **Grease the O-rings on the hub spacers.** Then install the spacers on both sides of the hub, slowly rotating them to ensure proper fit. Check freedom of bushing rotation before installing.



4. Remove the front brake pad spacer (see red arrow in diagram below) and place the front wheel into the dropouts, ensuring the hub spacers stay properly seated in the hub.



5. Install the front thru axle through the hub so that it passes completely through until completely seated in the opposite side's drop out.



⚠ Do not pull the front brake lever before the front wheel is installed, as it will lock up the caliper.

6. Tighten the thru axle bolt using an 8mm hex wrench to the torque rating spec'd on the fork. Use blue Loctite for added security.



⚠ Note: After the thru axle is torqued to spec., tighten the four pinch bolts with a 4mm hex wrench to 4Nm.

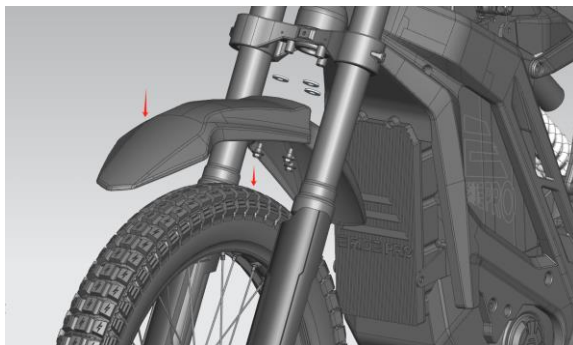


7. After front wheel assembly is complete, go back and double check that all fasteners are securely tightened and safe for use.



#### **Install Front Fender:**

Remove the 3 bolts shown in the figure below. Install the front fender and tighten the bolts with a 4mm hex wrench to 3Nm.



**Please Note:** as referenced earlier, ensure the front brake line is zip-tied to the lower fork guard guide and then goes through the upper fork clamp guide just under the lower triple tree, so the line can move freely as the fork compresses through its travel.





---

## Rear Shock Absorber Installation Diagram:



**Illustration 1**



**Illustration 2**



**Illustration 3**



**Illustration 4**



**Illustration 5**

Begin by unscrewing the bolts from the rear shock as shown in pictures 1 and 2. Lift the bike and insert the rear shock absorber into the suspension linkage, referring to pictures 3 and 4. Finally, secure the shock in place by attaching and tightening the bolt onto the swingarm, as illustrated in picture 5.



## Brake Hose Routing



Brake hose should be tightly zip-tied to the lower fork guard and then run vertically to a hose clamp guide placed near the lower triple tree. A second hose clamp guide should be placed near the upper triple tree, rotated slightly outboard, to allow suspension compression without inhibiting the hose.



The rear brake hose runs under the bike on the side of the controller before entering the chassis and making its way through a series of guides and to the rear caliper.



---

## Learn How to Ride

### Power On the eMoto

Insert the key as shown. Rotate turn the bike on and off. The middle, lightning bolt setting turns the battery on.





Check that all systems are active and functioning before use.



Before starting the unit, rotate the kickstand into the riding position as shown in the picture below. Slowly rotate throttle to safe riding speed.





---

### MAIN SPECS OF SR

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| RATED VOLTAGE:        | 72V                                                                       |
| RATED POWER:          | 10,000W(10KW)                                                             |
| PEAK POWER:           | 25,000W(25KW)                                                             |
| MOTOR PEAK TORQUE:    | 70NM                                                                      |
| WHEEL PEAK TORQUE:    | 630NM                                                                     |
| BATTERY PACK:         | 72V/50AH                                                                  |
| DISPLAY:              | YES, LCD                                                                  |
| RE-GEN ADJUST METHOD: | MULTILEVEL ADJUSTABLE                                                     |
| HEADLIGHT/TAILLIGHT:  | SWITCH ON/OFF                                                             |
| TIRE SIZE:            | FR: 80/100-19      FF: 100/90-18                                          |
| TOP SPEED:            | 70MPH(112KM/H)                                                            |
| ACCELERATION:         | 0-30MPH IN 1.8S                                                           |
| RANGE:                | ≥62MILES (99.2KM) @25MPH (40KM/H) /<br>≥93.7MILES (150KM) @15MPH (24KM/H) |
| 20%-90%CHARGETIME:    | 3.5HOURS                                                                  |
| SEAT HEIGHT:          | 830MM (32.7IN)                                                            |
| WHEELBASE:            | 1260MM (49.6IN)                                                           |
| HANDLE BAR LENGTH:    | 780MM (30.7IN)                                                            |
| GROUND CLEARANCE:     | 280MM (11IN)                                                              |
| UNIT WEIGHT:          | 183LB (83KGS)                                                             |
| WEIGHT LIMIT:         | 302LB (137KGS)                                                            |
| ROTOR SIZE:           | FR: 220MM // RR: 220MM                                                    |
| BRAKE1:               | DOT4 BRAKES                                                               |
| BRAKE2:               | REGEN BRAKE                                                               |

#### Notice:

E Ride Pro continually seeks advancements in product design and quality. Therefore, the above specs are based on the current product information available at the time of printing. Because of this, your eMoto may differ from the above specs.



---

## Trouble Shooting:

### Key Switch Not Working

| Possible Reasons                                              | Solutions: Motor Does Not Work                                                                     |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Discharge wire that's loose.                               | Properly fix the discharge wire connection.                                                        |
| 2. Throttle control connector has fallen off.                 | Properly plug the connector back in.                                                               |
| 3. Motor wires are loose or have fallen off.                  | Reconnect the motor wires properly.                                                                |
| 4. The brake lever does not return or the brake sensor fails. | Inspect the brake lever and brake sensor. Solve the problem by repair or replacing relevant parts. |

### Throttle Control Failure

| Possible Reasons             | Solutions: Reach Top Speed                                 |
|------------------------------|------------------------------------------------------------|
| Low battery voltage.         | Fully charge the battery.                                  |
| Failure of throttle control. | Contact your local dealer to replace the throttle control. |

### Charger Does Not Charge the Battery Pack.

| Possible Reasons                                | Solutions                                                                          |
|-------------------------------------------------|------------------------------------------------------------------------------------|
| The plug of the charger is loose or fallen off. | Please properly connect the charger plug with the battery pack charging interface. |
| Failure of the charger.                         | Repair the charger. If it's not repairable, replace it with a new charger.         |



---

### Abnormal Noise and Vibration Found During Riding.

| Possible Reasons           | Solutions                                    |
|----------------------------|----------------------------------------------|
| Chain tight / loose.       | Chain tension needs to be properly adjusted. |
| Brake is dragging on rotor | Brake needs to be readjusted                 |

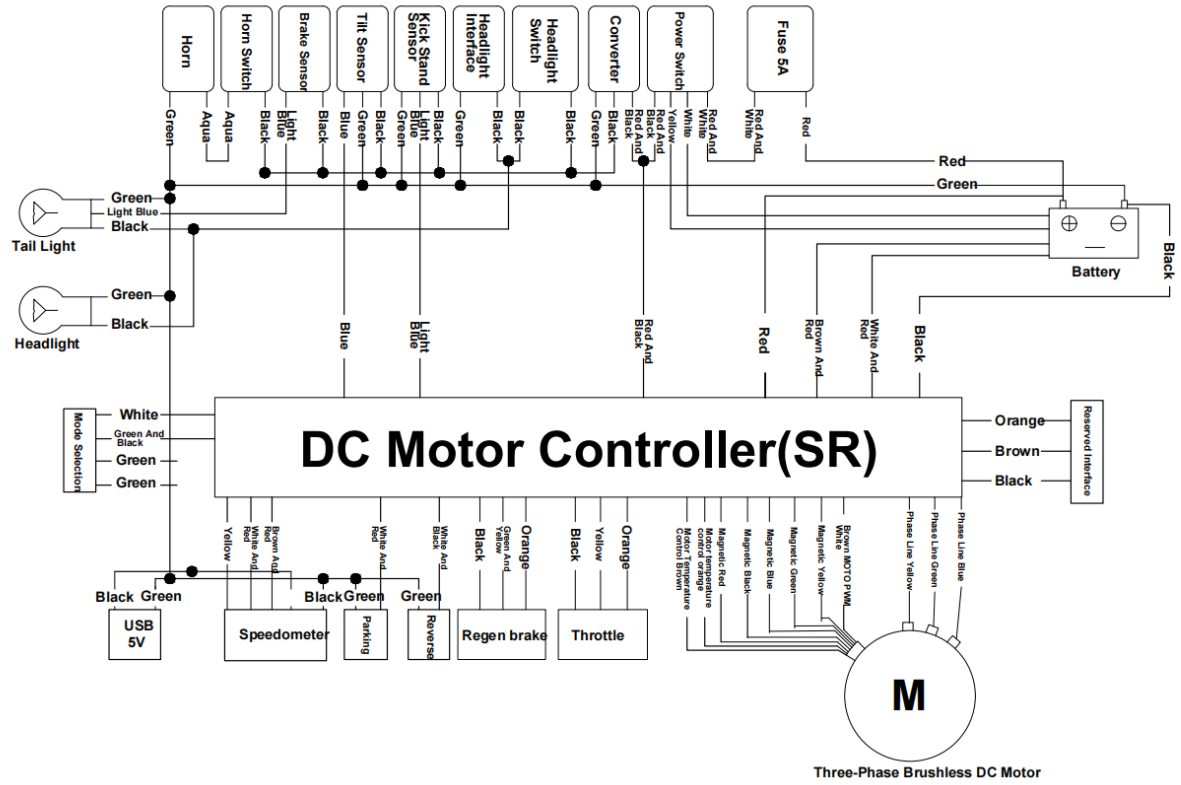
### Other Errors

If you have any errors that are not mentioned above, or which you cannot identify, please contact your local dealer for a professional inspection and necessary resolution.

### Note for Wet Weather Riding

Whether Mother Nature sends a surprise deluge or your terrain is full of spring mud, it is important to ensure your bike is properly cleaned and dried after you experience wet riding conditions. The E Ride Pro SR is rated to IP67 dust/water resistance, but due to its electric nature, all wiring connections must be free from prolonged moisture and debris to avoid the possibility of future rust and subsequent failure. Any time your SR experiences a wet ride, clean and dry it using a towel and compressed air, making sure to blow dry the back of the controller and any other wiring connections. Do not use high power compressed air, as this may damage connections, rubber seals or other materials.

## Circuit Diagram:






---

### Error Codes and Solution

|                                              |                                                                                 |
|----------------------------------------------|---------------------------------------------------------------------------------|
| <b>Short Protection</b>                      | <b>Restart; if there is no response, the controller needs to be replaced</b>    |
| <b>Motor Overheat</b>                        | <b>Turn off the power and wait for it to cool for 10-30 minutes</b>             |
| <b>Over Voltage</b>                          | <b>Turn off the power, then restart</b>                                         |
| <b>Low Voltage</b>                           | <b>Charge</b>                                                                   |
| <b>Controller Overheat</b>                   | <b>Turn off the power and wait for it to cool for 10 minutes</b>                |
| <b>Hardware Fault</b>                        | <b>Replace the controller</b>                                                   |
| <b>Motor Overcurrent</b>                     | <b>Turn off the power, then restart</b>                                         |
| <b>Software Overcurrent</b>                  | <b>Turn off the power, then restart</b>                                         |
| <b>Throttle Error</b>                        | <b>Replace the throttle</b>                                                     |
| <b>Motor Phase Line Failure</b>              | <b>Motor issue, replace the motor; controller issue, replace the controller</b> |
| <b>Controller Bus Overcurrent</b>            | <b>Turn off the power, then restart</b>                                         |
| <b>Motor Phase Line Failure</b>              | <b>Replace the motor</b>                                                        |
| <b>Motor Temperature Sensor Failure</b>      | <b>Replace the motor</b>                                                        |
| <b>Controller Temperature Sensor Failure</b> | <b>Replace the controller</b>                                                   |
| <b>Motor Out of Phase</b>                    | <b>Replace the motor</b>                                                        |
| <b>Motor Stalling</b>                        | <b>Turn off the power, then restart</b>                                         |

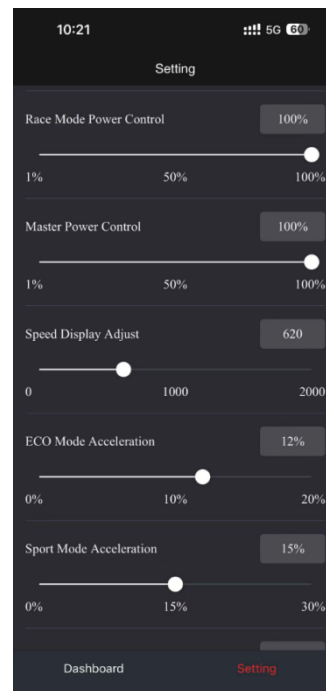
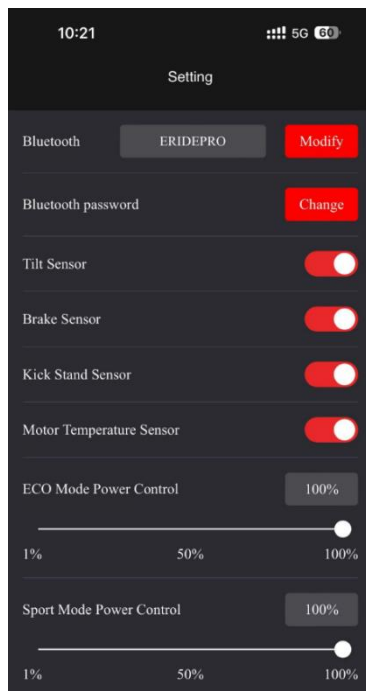
To ensure any error codes or concerns are properly addressed, please first contact the dealer from which you purchased your E Ride Pro. They have first-hand knowledge and training on repairs and maintenance to keep your SR in proper riding order. If you purchased directly from E Ride Pro, please email [techsupport@eridepros.com](mailto:techsupport@eridepros.com).

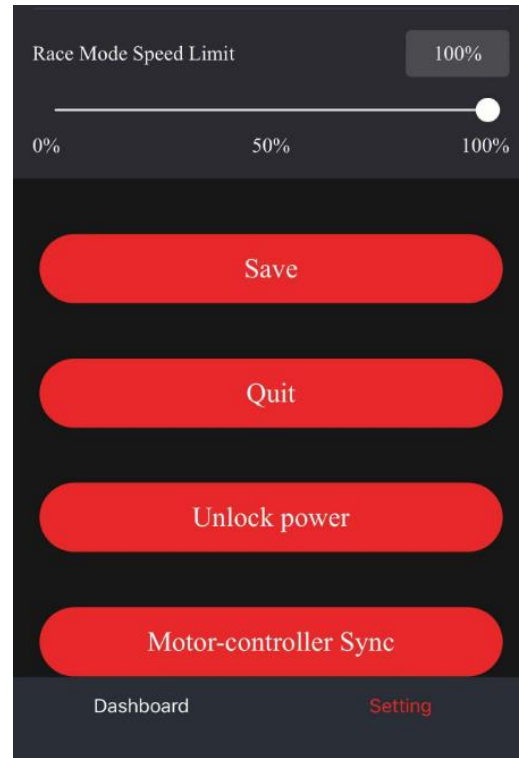
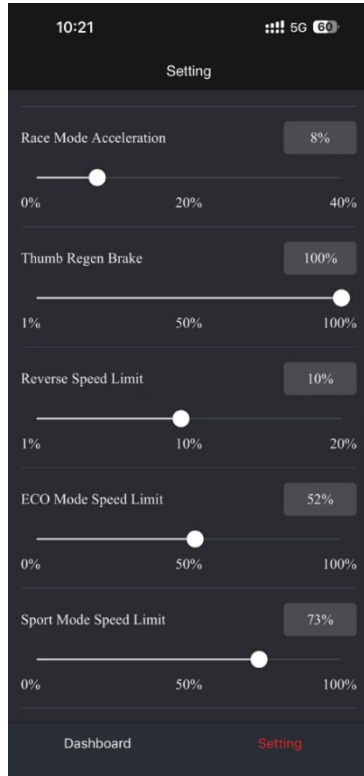


## Bluetooth Instructions

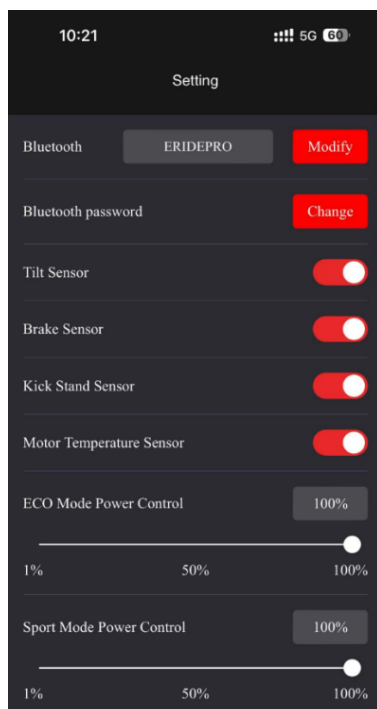
First, download the app. If you are using an Android phone, you need to download Google Play Store first, then search ERIDEPRO to download. For iPhone users, please search for ERIDEPRO directly in the Apple Store to download. Turn on the power of SR and then open the app.

### Initial setting:





## Manual Setting:



**Blue-tooth Password:** The initial password is ERP123. If password incorrect, please try multiple times then you can enter. The password must consist of 5 to 8 characters and can only include numbers or English letters. Please remember your password, if you forgot, please contact dealer to apply for new password.

**Tilt Sensor:** When the bike is tilted, the bike will lose power.

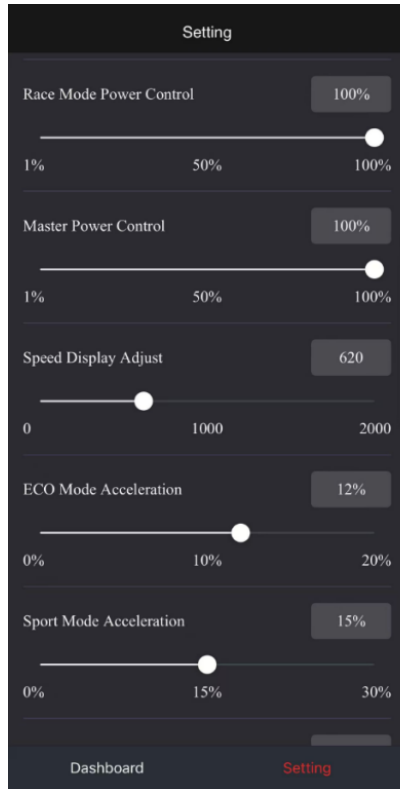
**Brake Sensor:** When you brake, the bike cannot be accelerated. During the trail riding, you may off the brake sensor switch.

**Kick Stand Sensor:** When the kickstand is upright, pressing the throttle will not start the bike.

**Motor Temperature Sensor:** Monitor the temperature of the motor.

**Eco Mode Power control:** In Eco mode, you can control the power output. The recommended setting is 65%.

**Sport Mode Power Control:** In Sport mode, you can control the power output. The recommended setting is 80%.



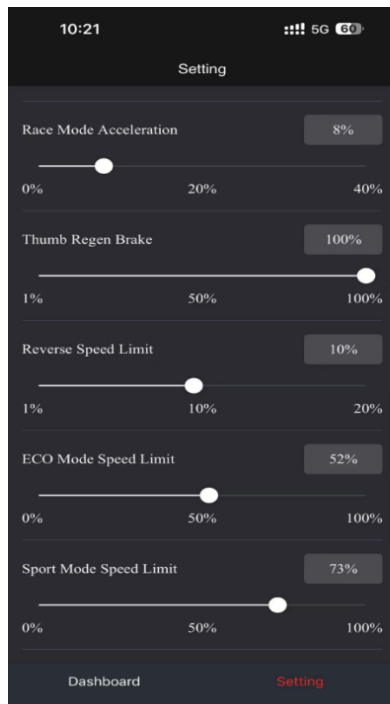
**Race mode Power Control:** In Race mode, you can control the power output. The recommended setting is 100%.

**Master Power Control:** The peak power of the bike. The recommended setting is 100%. If you reduce the master power control, the Eco/Sport/Race mode power control also reduce.

**Speed Display Adjust:** The initial set is 620. When replace the rear wheel or sprocket, the dashboard display data may become inaccurate. We can calibrate the dashboard display values by making adjustments. For example, if the Value 620 and the dashboard displays a speed of 60, but the actual GPS shows a speed of 70, the Value needs to be modified as follows:  $70/60 * 620 = 723$

**Eco Mode Acceleration:** The recommended setting is 8% to set up for Eco mode acceleration if you want more smooth, reduce to 4% or 6%. if you want more sharp throttle in the beginning or more easy wheelie, set up more than 8%.

**Sport Mode Acceleration:** The recommended setting is 12% to set up for sport mode acceleration. if you want more smooth, reduce to 6 or 8. if you want more sharp throttle in the beginning or more easy wheelie, set up more than 12%.



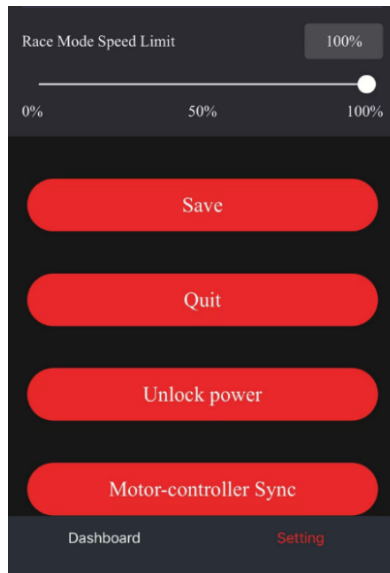
**Race Mode Acceleration:** The recommended setting is 8% to set up for race mode acceleration. if you ride on the street or trail, set up to 6% or 8%. if you ride on the track or across the obstacle set up to the 12%.

**Thumb Regen Brake:** Electric brake by motor. The recommended setting is 100%.

**Reverse Speed Limit:** The bike reverse strength. The recommended setting is 10%.

**Eco Mode Speed Limit:** We recommended 52% to set up for Eco mode speed limit.

**Sport Mode Speed Limit:** We recommended 73% to set up for sport mode speed limit.



Race Mode Speed Limit: We recommended 100% to set up for race mode speed limit.

Save: If you have anything change, click "Save" to save the changes, and also you need to power off the bike and power on for the settings to take effect.

Quit: Exit the app.

Unlock Power: Initial Power is 21KW, after unlock, the power grow to 25KW.

Warning: Before you unlock, make sure to wear the full set of protective gear, please consider this carefully for your safety. E RIDE PRO is not liable for any damages, Injuries, or liabilities. To accept press accept, to cancel press cancel.

Motor- Controller Sync: To sync motor and controller, must put bike on the stand to make sure rear wheel off ground. What time to sync? When the motor has been repaired or replaced, sync the motor and controller.

E Ride Pro, Inc. is not responsible for any injuries that may occur while using this product. This product should only be used by people who have extensive knowledge of, and experience in riding performance Off-Road vehicles. The recommended age of use is 16 years old and up. By using this product, you the risks inherent in operating a high-power, high-speed motor-driven vehicle. It is important to note that during normal operation, due to the high power and speed nature of the SR, pebbles, dirt or sand may become embedded into the throttle handle, causing the throttle to not respond as when free of debris. If you believe your throttle's response to be inhibited, please turn off the power immediately, clean out any possible debris in the throttle assembly and then test the throttle's responsiveness before riding again. When the throttle is operating properly, there is no noise and or resistance.

This product is for off road use only.

**E RIDE PRO INC**

 : [pros@eridepros.com](mailto:pros@eridepros.com)

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