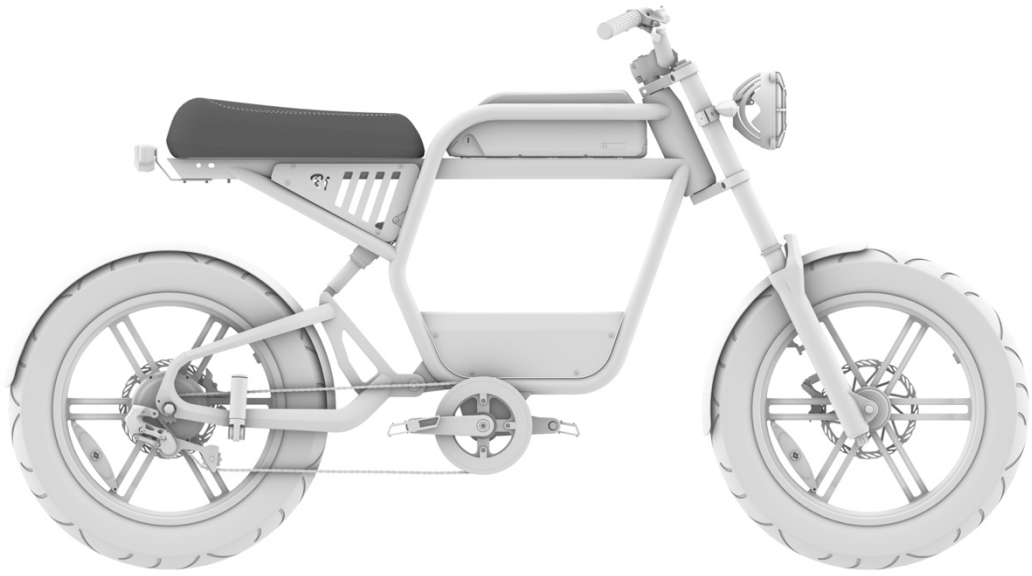
E-bike Owner's Manual



Model: REVV 1

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***Ride1UP Revv 1* Owner's Manual**

Thank you for purchasing a ***Ride1UP Revv 1*** e-bike! Please fill out the information below. This is for your records only. Your serial number is the number stamped on the bottom of the downtube facing the front of the e-bike.

OWNER'S NAME: _____

DATE OF ASSEMBLY: _____

BIKE SERIAL NUMBER: _____

IMPORTANT - READ ALL INSTRUCTIONS AND WARNINGS BEFORE YOU ASSEMBLE OR USE THIS E-BIKE. FAILING TO DO SO COULD CAUSE DEATH, SERIOUS PERSONAL INJURY, PROPERTY DAMAGE AND/OR A VIOLATION OF THE LAW. IT IS YOUR RESPONSIBILITY TO UNDERSTAND AND ABIDE BY ALL LAWS RELATED TO THIS E-BIKE. RETAIN INSTRUCTIONS FOR FUTURE REFERENCE AND TO PROVIDE TO OTHER USERS AND/OR FUTURE OWNERS. YOU MUST BE EIGHTEEN (18) YEARS OR OLDER TO RIDE THIS E-BIKE.

California Proposition 65 Warning – Certain components in this product and its related accessories contain chemicals known to state of California to cause cancer, birth defects or other reproductive harm. Wash hands after handling.

Need service or support? Visit our website *https://ride1up.com/bike/support* for quick answers or call/email us directly. Our support team are ready to help you, M-F: 9AM-5PM.

Ride1UP Customer Support Contact:
Phone: (888) 494-1415
Contact Us: https://ride1up.com/contact/

For the most to date information on your Revv 1, please scan the QR Code below for a digital copy of your Owner's Manual.

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Ride1UP

Model: Revv 1

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1. Safety Notes

⚠1.1 Personal Safety:

It is the owner's/rider's responsibility to properly assemble the e-bike and inspect all components and ensure all nuts and bolts are tightened for safety or to trust a qualified 3rd party to do so. This is critical for safety on this e-bike.

Do not operate the bike until you have read and understand all sections of the entire manual. There are important safety warning throughout the whole manual that must be followed to prevent dangerous situations, accidents, and possibly injury and/or death.

This e-bike is only intended for use on paved roads or designated e-bike paths. Using the e-bike for any other purpose may result in serious injury. Before you ride this e-bike, practice riding in a safe area free of hazard and take time to learn the e-bike's controls and power.

Be sure to understand and follow all local laws and regulations, and changes to the same.

Have maintenance/repairs done by a qualified bicycle mechanic.

Never use/ride any Ride1Up bike product in ways precluded by the manufacturer and the laws of your state and local municipality. It is your responsibility to comply the laws in which you are operating the e-bike. Laws vary depending on location in which you operate the bike. Failure to do so could cause death, serious personal injury, property damage and/or a violation of the law.

Obey all rules of the road and local traffic laws. Respect motorists, pedestrians, and other cyclist.

At night, when visibility is low, your e-bike MUST have white front lights and red rear lights lit. It MUST also be fitted with a red rear reflector and amber pedal reflectors. Use caution when loading your e-bike into a car or when mounting it on a bicycle carrier. You must avoid damaging the wires of the electrical components during riding, transporting, and storing your electric bike. Failure to do so could cause death, serious personal injury, property damage and/or a violation of the law.

The top speed of this bike is 28mph+ in 'Off-Road' mode. Speed laws vary depending on location in which you operate the bike. All riders ride at their own risk. It is your responsibility to comply with the rules, laws and regulations in which you are operating the e-bike. Failure to do so could cause death, serious personal injury, property damage and/or violation of the law.

1.2 E-bike Safety:

You must be eighteen (18) years old or over to ride this e-bike. Your e-bike is designed for a maximum permitted overall weight (rider + cargo) of 350 lbs. Do not exceed carrying capacity as this may compromise the integrity of the bike and could cause death, serious personal injury, and/or property damage. Your bike must be inspected or assembled by someone experienced with bike mechanics prior to use. Proper assembly and inspection of all nuts and bolts are vital for safety and for your warranty coverage as damages due to improper assembly are not covered under warranty. Improper assembly of critical components could lead to serious injury and or death. Do not submerge your e-bike in water as this may damage the electrical and mechanical components of the e-bike and could cause death, serious personal injury, and/or property. Be aware that the speed at which you are traveling may be faster than you are used to, especially when accelerating.

Throttle should be gradually applied for a smooth acceleration. If you feel that the throttle, pedal assist, or brake levers are abnormally functioning, such as jerky acceleration, brakes not stopping the bike etc. please stop using your ebike immediately and contact our Customer Support Department or review our Support Library for troubleshooting steps.

1.3 Electrical Safety:

 Only use the charger supplied by Ride1UP and never tamper or modify the charger in any way. Do not leave the e-bike or battery plugged into a wall outlet unattended. Unplug the battery before leaving the bike alone. The charger has been designed for a specific voltage and should not be tampered with in any way. Always check that the outlet's voltage is the same as that stated on the rating label. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack; never use the charger with another e-bike or attempt to charge this product with another charger.

Before use, check the charger cord for signs of damage such as exposed wires or tears in the cable lining. A damaged or entangled charger cord increases the risk of fire and electric shock. Keep the charger cord at least 6ft away from hot surfaces and sharp edges. Do not handle the charger with wet hands as it could cause death, serious personal injury, and/or property damage. Do not store or charge the e-bike outdoors. The charger must be removed from the socket before removing the battery, cleaning or maintaining the e-bike because this creates potential for electrical damage and/or injuries.

1.4 Brake Safety:

 Regularly check your brakes for signs of wear and tear and functionality such as a reduction in breaking power. Before every ride, quickly test your brakes by walking next to the e-bike and engaging the brakes assuring they are properly working. Visibly check your brakes to ensure there is no damage such as cracks and breaks. Failure to do so could cause death, serious personal injury, and/or property damage.

Any worn parts must be repaired or replaced immediately. Be careful while getting used to the brakes. Never brake with only your front brake. Practice emergency stops in a place clear of traffic until you are comfortable controlling your e-bike. Wet weather reduces your braking power and the grip of the brakes. Reduce your speed and be aware of longer stopping distances when cycling in wet conditions. Braking on unpaved surfaces will differ. Be sure to practice braking on different surface types. Ensure that braking surfaces and brake pads are free of wax, grease and oil. Do not pedal and brake at the same time as this will cause excessive wear.

1.5 Maintenance:

 Make sure all screws, nuts and bolts are tightened securely before riding. Failure to do so could cause death, serious personal injury, and/or property damage. Many parts on your e-bike are subject to a higher degree of wear due to their function and depending on their use such as brakes, tires, pedals etc. Have your e-bike checked regularly at a professional bike shop and have any worn parts replaced. Depending on the level and extent of use, regularly can mean as much as once a week, and as little as twice a year. It is the rider's/owner's responsibility to ensure the e-bike is safe to ride at all times.

Ensure the battery is removed from the bike before carrying out any maintenance. You must always use genuine replacement parts when performing maintenance on your e-bike. Regularly check the tire pressures (See sidewall of your tire for correct psi range) and regularly check the tread depth of tires.

 After an accident or crash you must take your e-bike to a bike repair specialist to make sure that it is safe to ride. Be aware that damage may not be visible. Failure to do so could cause death, serious personal injury, property damage and/or a violation of the law.

Any form of crack, scratches or change of coloring in highly stressed areas indicate that the life expectancy of the part has been reached and it should be replaced immediately.

1.6 Additional Warnings:

 Routine maintenance checks are required on your e-bike. Check all important connections, brake functionality, and ensure axle nuts are secured before riding. Failure to do so could cause death, serious personal injury, and/or property damage.

It is recommended to not ride at night when visibility conditions are low if avoidable. Riding in the dark or low visibility conditions is more dangerous than riding during the day with clear visibility. Do not ride your bike at night without properly functioning front head lights and rear taillights. Wear reflective and light-colored clothing. Failure to do so may result in serious injury and/or death.

 The e-bike is intended for use by those at least eighteen years of age. Use by anyone below the age of eighteen is prohibited. Riders must have the physical condition, reaction time, and mental capacity to ride

safely and manage traffic, road conditions, sudden situations, and respect the laws governing electric bike use where they are riding. If you have an impairment or disability such as a visual impairment, hearing impairment, physical impairment, cognitive/language impairment, or a seizure disorder, consult your physician before riding any bike.

Have installation/assembly checked by a professional bike mechanic or completed entirely by a bike mechanic prior to riding. All bolts and nuts should be checked. Failure to do so could result in serious injury and/or death.

 When operating your e-bike: Do not wear earplugs, headphones, headsets, or use a cell phone while riding. Never hitch rides on other vehicles. Never hold an item which interferes with your grip on the handlebars and never be under the influence of alcohol or drugs while riding.

 ALWAYS wear a helmet when riding your e-bike. Wear appropriate shoes, eye protection, and avoid loose clothing. Wear reflective clothing and gear when visibility is diminished. Failure to do so may result in serious injury and/or death.

1.6 Additional Warnings (Continued):

It is your obligation to check all applicable laws for bicycle rules governing operation, equipment, use and appropriate places for operation. Do not exceed local speed restrictions. Maintain your brakes such that you can at least execute a one-braked-wheel skid on dry, level, clean pavement.

Never configure your e-bike such that the handlebars are higher than a rider's shoulders because this will reduce the rider's ability to steer and control the e-bike. In addition to front and rear reflectors, you must also ensure that the e-bike is equipped with side reflectors. Never ride your e-bike without the seat provided with the e-bike.

This e-bike is not meant for downhill riding, rocky trails or ariel maneuvers.

 Do not ride your e-bike in unsafe weather conditions or when the road surface is comprised, with ice, snow, water, sand, loose gravel or anything else that could cause a loss of traction. Failure to follow this rule may result in serious injury and/or death.

It is recommended to not ride in wet weather. Wet weather impairs visibility, braking and traction of the ebike and affects others sharing the road. Accidents increase in wet weather conditions.

Keep your e-bike and packaging materials such as plastics, foam, and cardboard away from children.

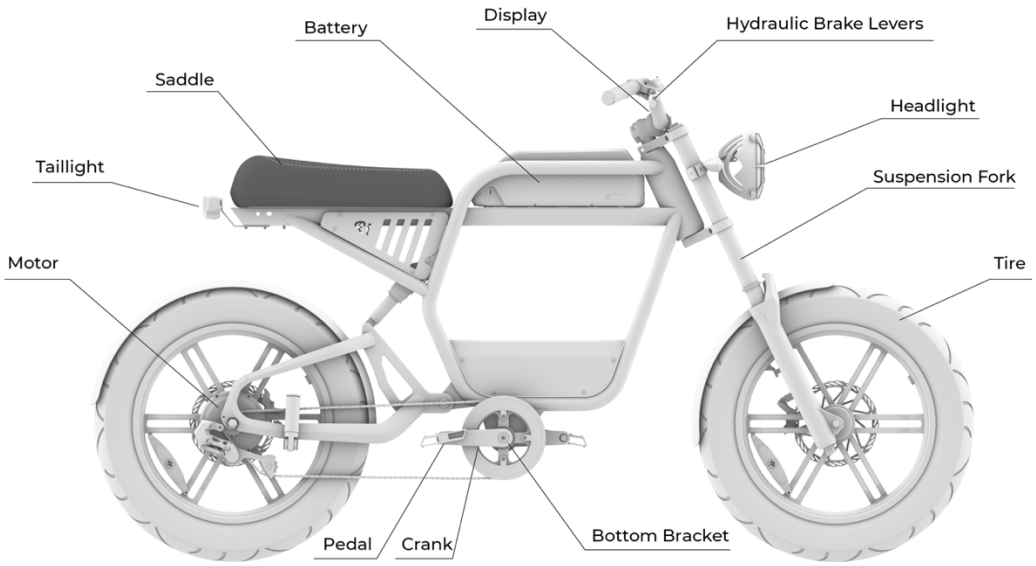
⚠ Lithium-Ion batteries can be extremely dangerous if stored or used improperly. Please learn proper care of your battery at http://batteryuniversity.com/. Damage to your lithium battery from misuse could result in serious injury, hazardous smoke and fires, and/or death. Do not ride if the battery pack is visibly damaged.

Special precautions must be taken if you transport your e-bike with you during air travel, or if shipped by air courier. Be sure to follow all requirements of airlines and air couriers regarding lithium batteries if you take your e-bike with you during air travel, or if you ship your e-bike by air courier.

⚠ Always be aware of the traffic around you. Keep a lookout for obstacles in your path and in your surroundings.

⚠ Never operate a bike while under the influence of alcohol, drugs, or any substance or condition that could impair motor functions, judgement, or the ability to safely operate a bike.

1.7 Notable Bike Parts:



2. What's in the Box?

The Revv 1 will arrive fully wrapped with foam and cardboard and include the following in our Accessory Box:

Accessory Box:

- User Manual
- Ride1Up Gift
- Battery Charger
- (2) Keys
- Ride1Up Allen Wrench Set
- (2) 13/15 Double Wrenches
- 8/10 Double Wrench
- (2) Pedals – R & L
- 12mm M5 Screws
- 34 mm M6 Screw

3. Installation Steps: Assembling Your Bike

Please scan QR Code below for Revv 1 Assembly Video.

3.1 Headset Assembly

PLEASE COMPLETE STEPS IN ORDER.

- Remove the stem faceplate on the headset by loosening the four screws using a 4mm allen wrench.
- Place the handlebars onto the stem and secure it in place by screwing back on the faceplate.
- Tighten the 4 screws in an "X" pattern to ensure tightness is distributed evenly.
- Place the two turn signals near each side of the headlight and secure them by screwing and tightening the nuts.
- Insert the two turn signals and tighten with attached bolts.

3.2 Front Wheel Assembly:

- Remove front wheel from fully wrapped frame and separate front fender.
- Do not touch the brake pads or rotors with your fingers. The oil will contaminate them and cause noises when braking.
- Take the front axle and remove the axle nut.
- Insert the axle through the front wheel axle hole.
- Screw but do not tighten the axle nut back onto the axle of the front wheel, after placing the spacer and washer on the axle. Leave space for future tightening in the following steps.
- Align the disc rotor so it fits between the brake pads. Do not force it. (Figure 1)
- Place the front wheel axle onto the fork dropouts assuring that the disc rotor is aligned and fits between the brake pads.
- Use two 13/15 wrenches to secure the front wheel to the fork by tightening both axle bolts at the same time.
- Place the front fender to the front wheel through the back of the wheel.
- Insert the screw through the fork's bridge then through the fender's top bracket and screw in the hex nut.
- Use the 5mm allen wrench and a 10mm wrench to tighten the screw and hex nut.
- Screw a 34mm screw through the bottom fender brackets and into the fork on both sides.

⚠ **WARNING ◆ IT IS VITAL THAT THE AXLE BOLTS HAVE BEEN TIGHTENED. IF THEY ARE NOT PROPERLY ALIGNED, THE WHEEL MAY COME OFF, CAUSING SERIOUS INJURY AND/OR DEATH. ◆** ⚠

3.3 Pedal Assembly:

NOTE: ◆ THE LEFT AND RIGHT PEDALS ARE UNIQUE.



- The left pedal (marked "L") must be installed in the left crank arm. It is reverse thread, rotate counter-clockwise to install and tighten.
- Screw each pedal in by hand. They should screw in easily to start. Do not force them.
- The right pedal (marked "R") must be installed in the right crank arm. It is standard thread, rotate clockwise to install and tighten.
- Use a 15mm wrench on pedals to finish tightening the pedals in place.

NOTE: ◆ THERE ARE TWO PEDALS INCLUDED IN THE BOX WITH YOUR BIKE. THE PEDALS SCREW INTO THE ENDS OF THE CRANKS WITHOUT EXTRA NUTS, SCREWS OR PINS. FAILURE TO USE THE CORRECT PEDAL ON THE CORRECT SIDE WILL RESULT IN A STRIPPED CRANK ARM. ◆

3.4 Detailed Torque Settings:

- Crank Arms: 39nm (pre-installed).
- Handlebar Clamp: 5-7nm (unless otherwise marked on stem). Tighten evenly in a cross pattern so the gap at each bolt is the same.

3.5 Test and Adjust Front and Rear Brakes:

After Assembly, you must test your front and rear brake. You can then adjust them as needed. How you install the front wheel and brake caliper can affect whether the disc brakes rub when first assembling. After assembly, you may need to adjust the front and rear brake. Look in line with the brake pads and slowly tighten the quick release axle while ensuring the rotor stays in the exact middle between the pads. The disc rotor is one of the most exposed malleable components during shipping. If it is bent, it can be trued (bent back) in most cases or replaced with a new disc rotor. If unsure how to properly adjust your brakes, please check our website for a recommended video. If you are unable to access our website, you should take the bike to your local bike shop for an assembly inspection and/or tune up. The bike shop will be able to inspect the bike for safety and adjust your brakes.

4. Battery Connection & Removal

- Insert the key into the battery key hole.
- Turn the key in a clockwise direction (At 90 degrees) and remove the key.
- The battery is heavy, use both hands to avoid dropping and damaging the battery.
- Slide the battery backwards and off the bike.
- Replace battery by sliding in towards the front, then insert the key and turn to lock.
- Charging port is on the left side of the battery.

NOTE: ◆ ALWAYS KEEP THE CHARGER PORT COVERED TO PROTECT AGAINST MOISTURE, WHICH CAN DESTROY THE BATTERY.

5. E-bike Basics & Care

5.1 E-bike Basics:

Your Revv 1 e-bike will arrive with a center LCD display, light controls next to the right grip, and functional controls near the left grip.

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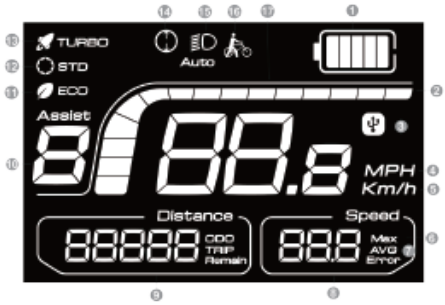
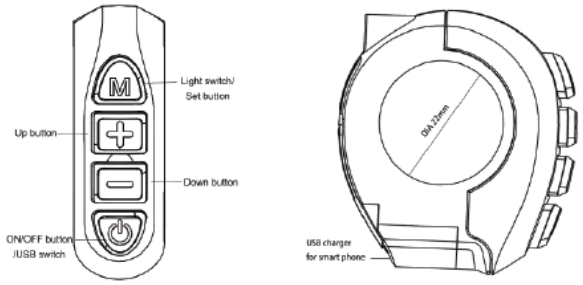
LCD DISPLAY

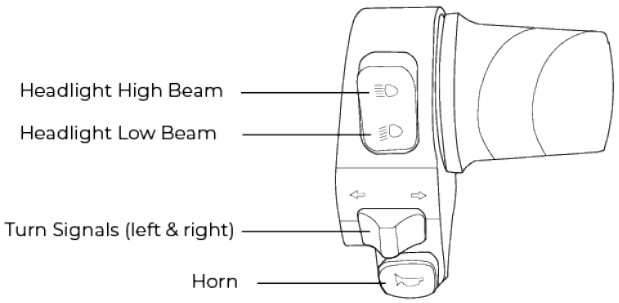


1. Battery Power
2. Motor Power
3. USB Charging
4. Speed (MPH)
5. Speed (Km/h)
6. Maximum Speed
7. Average Speed
8. Error Code
9. Total Mileage/TRIP
10. Pedal Assist Level
11. ECO Mode
12. Standard Mode
13. Turbo Mode
14. Wheel Diameter
15. Lights
16. Walk Mode
17. Real Time Speed Display/ Wheel diameter setting/ Version infomation

FUNCTIONAL CONTROLS



LIGHT CONTROLS



- It is best practice, for safety, to only turn on your electric bike once you have lifted your leg over the bike and are straddling the frame. You should turn it on before you begin riding, but only once you are ready to ride.
- It is also best to turn off the bike when you are done riding after you dismount from the seat, but before you lift your leg over the bike to get off. If you stop to look at something or talk with someone, please turn off your bike for safety.
- Once the bike is powered on, the throttle is active, if engaged it will cause the bike to accelerate.
- If PAS is on and at 1 or higher, if the pedals are bumped and move forward when next to or moving the bike, power will be sent to the motor and the bike will accelerate.

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- Turning it on and off as described above will minimize the chance of the bike accelerating unintentionally.
- The + button increases pedal assist and the – button decreases pedal assist and can be set to off if you press the – button when on low.
- The headlight is turned on by holding down the M button.
- The throttle and pedal assist can be used simultaneously.
- You can turn the pedal assist off by pressing the – button past low, until a 0 (zero) number is showing, and ride only using the throttle if you like. The bike pedal assist uses a cadence sensor, which reacts a little delayed based on the spinning of the pedals. It will take some time to get used to this and manipulating the motor to engage and disengage when expected takes a little practice. You can adjust the sensitivity in the display settings.
- A quick backpedal or slight engagement of the brake lever instantly stops the motor. You can adjust the sensitivity of the cadence sensor and other pedal assist settings by referring to the LCD manual. We also have videos on our website and YouTube channel guiding you through this process.

NOTE: ◆ DO NOT CHARGE YOUR BATTERY WHEN THE BATTERY'S TEMPERATURE OR THE SPACE IT IS STORED IN IS BELOW FREEZZING (32 DEGREES F).

5.2 Battery Basics & Care:

NOTE: Never charge your battery when it's temperature or the space it is stored in is below freezing. Failure to follow this rule could result in serious injury, death, and property damage.

The chargers do stop charging when the battery is fully charged. When charging your battery, do not charge near any potentially flammable material. Charge in a safe fire-resistant space. If you are storing the e-bike for more than a day, do not leave it plugged in. It is best to leave it charged to 80% but unplugged. The button on the top of the battery works as a charge gauge. It is not an on-off button. When riding always plug the charger port with the rubber cover. If moisture gets in, the battery can be destroyed. Everyone is encouraged to learn a little bit more about the basics of lithium ion battery care and proper treatment. For extended life, charge your battery to 80% and use it until it is at 20%. Depending on the charge level when plugged in, it takes 3-6 hours for the battery to fully charge when using the standard charger supplied with the bike. Charging for 1-2 hours will keep it near 80% depending on last usage. You can check the charge percentage on the display. If storing for longer periods, it is a good idea to store your battery with a 40-80% charge. Check the battery once a month. If the battery drops to 25%or lower, charge it up to 40-80%. Recommended storage temperatures are 50°-77°F and will provide the best performance out of the battery. Storage should be done in a dry area.

5.3 Battery Basics & Care:

(5.3.a) Fenders: If you are experiencing rubbing or rattling fenders, this can be fixed. Firstly, the front fender tab that attaches to the fork can be mounted on the back to provide more spacing, or the front for a tighter fit. The fender arms are also malleable and sometimes need to be bent with the wheel off to be centered with the wheel.

(5.3.b) Noise When Riding: Refer to the three issues above. Gears, fenders, and brakes are the most common sources of riding noise. Additionally, the front hub can sometimes make a squeaking noise if it does not have enough grease. Pay attention to the noises. They are usually symptomatic of a minor issue that could cause more problems later. It is best to determine what is causing the noise and resolve the issue. If you are unsure of the cause, please review our support page at www.Ride1UP.com. You can also share a clear video without wind noise to Support@Ride1UP.com.

6. Troubleshooting Problems:

6.1 Motor Not Working:

One of the worst problems to experience. What needs to be done? Determine the source, or cause of the issue(s). What to look for:

(6.1.a) Display Settings: Perhaps a setting was accidentally changed. Try resetting the display by conducting a factory reset. Review the display manual or display support page on www.Ride1UP.com to reset the display. Steps to complete this procedure are listed on the last page of this owner's manual.

(6.1.b) Cables: is a connection loose? Look for kinked, loose, or damaged cables. Check the quick disconnect connections, especially the one on the chain stay. Consider disconnecting them, inspecting both ends, properly aligning (ensuring the pins are not bent) them and then carefully plugging them back in.

(6.1.c) Accident: After a crash or if the bike is dropped, and the motor cable is damaged where it exits the axle, the motor may no longer function. This requires replacement motor parts and a more time consuming/costly repair. Reach out to customer support if you see damage to the cable.

(6.1.d) EBS: Electronic Brake Shut-Off. Another possible cause is that the electronic brake shut-off sensors are firing when they shouldn't be. This can happen typically when there is damage to the brake levers or the cables themselves causing a miscommunication with the internal controller. The best way to identify this issue is to unplug these cables from the internal controller and test. You can find the diagram for the internal wiring at the end of this document. There is also a video demonstrating removal of the controller on our YouTube channel/website link.

6.2 Kickstand:

Does the bike sit too low with the kickstand? The kickstand length is adjustable. Loosen the bolt on the bike and slide to the desirable length. Check the bolt tension when first assembling as well to make sure the bolt does not rattle loose. Is there a clicking noise with the kickstand? Make sure it is parallel with the chainstay and fully tightened (8mm hex wrench). If it shifts, it will hit the crank arm when pedaling.

6.3 Charger:

Green light indicates the charger is powered but not charging. Red light indicates charging. Do not charge near anything flammable or store the e-bike long-term while plugged in. If you are having issues with the battery not charging, try riding the bike again, draining some battery, and try using a different outlet. Then reach out to support if the issue does not resolve.

7. Charging the Battery:

⚠ **WARNING ◆ DO NOT LEAVE CHARGING BATTERY UNATTENDED** ⚠

The battery's voltage is indicated by the 4 LED lights located on the side of the battery and also on the display unit located on the handlebars. Your battery must be charged in an ambient temperature, on a non-flammable and dry surface, away from any sources of heat, humidity, or flammable materials. Also, it must not be covered.

If you ever see a spark while charging your battery. Please inspect the charging port of the battery and the tip of the charger. Please contact Support@Ride1UP.com and share pictures.

Follow the steps when charging battery:

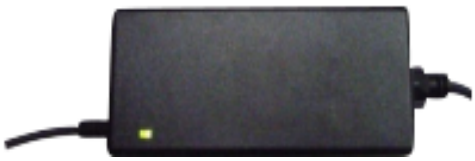
Step 1. Turn the bike off. The LCD will be off.

Step 2. Plug the charger (which is off) into the socket and then insert the charger plug into the battery, which is also off. Make sure the charger's tip is not stressed or supporting the weight of the charger. Do not wiggle the charger's tip in the charging port of the battery.

Step 3. The chargers LED indicators light up in the following manner:

- The **red** LED lights on: The battery **is being charged**. (Figure A)
- The red LED light becomes **green:** The battery **is fully charged** and you can unplug the charger. (Figure B)

(A)



(B)

NOTE: It takes 3-6 hours for the battery to be fully charged when using the standard charger supplied with the bike.

Do not leave the battery unattended while plugged into the charger.

Do not store the batteries connected to the charger.

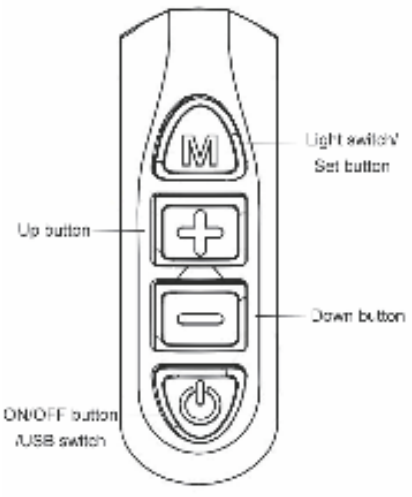
Do not wiggle the tip of the charger in the battery port.

7.1 Battery Basics & Care:

NOTE: Never charge your battery when it's temperature or the space it is stored in is below freezing. Failure to follow this rule could result in serious injury, death, and property damage.

The chargers do stop charging when the battery is fully charged. When charging your battery, do not charge near any potentially flammable material. Charge in a safe fire-resistant space. If you are storing the e-bike for more than a day, do not leave it plugged in. It is best to leave it charged to 80% but unplugged. The button on the top of the *battery* works as a charge gauge. It is not an on-off button. When riding always plug the charger port with the rubber cover. If moisture gets in, the battery can be destroyed. Everyone is encouraged to learn a little bit more about the basics of lithium ion battery care and proper treatment. For extended life, charge your battery to 80% and use it until it is at 20%. Depending on the charge level when plugged in, it takes 3-6 hours for the battery to fully charge when using the standard charger supplied with the bike. Charging for 1-2 hours will keep it near 80% depending on last usage. You can check the charge percentage on the display. If storing for periods longer periods (a week or more), it is a good idea to store your battery with a 40-80% charge. **Check the battery once a month**. If the battery drops to 25% or lower, charge it up to 40-80%. Recommended storage temperatures are 50°-77°F and will provide the best performance out of the battery. Storage should be done in a dry area.

8. LCD Display Instructions:



8.1 Power On/Off

Press the POWER button to turn on. Press and hold the POWER button for 3 seconds to turn off. The Display automatically shuts down when the bike is not used for 10 minutes.

- **It is best practice for safety, to only turn on your electric bike once you have lifted your leg over the bike and are straddling the frame. You should turn it on before you begin riding, but only once you are ready to ride.**
- **It is also best practice for safety to turn off the bike when you are done riding after you dismount from the seat, but before you lift your leg over the bike to get off. If you stop to look at something or talk with someone, please turn off your bike for safety.**
- Once the bike is powered on, the throttle is active, if pushed it will cause the bike to accelerate. If PAS is on and at 1 or higher, if the pedals are bumped and move forward when next to or moving the bike, power will be sent to the motor and the bike will accelerate.
- Turning it on and off as described above will minimize the chance of the bike accelerating unintentionally.

8.2 Pedal Assist System (PAS) Level Operating

The assist level ranges from Level “0” to Level “5”. Level “1” is the minimum power and Level “5” is the maximum. To change the assist level, press the MINUS (-) or PLUS (+) buttons until desired level is displayed in the top right corner.

8.3 Speed & Mileage Mode Switch

Pressing the MODE (M) button displays the following in this order: RUNNING SPEED→TRIP DISTANCE→ TRIP TIME→ MAXIMUM SPEED→AVERAGE SPEED→MOTOR POWER.

8.4 Backlight On/Off

Press and hold UP button for 2 seconds to turn on/off the display backlight and headlights if wired.

8.5 Walk/Push Assist (4mph)

Press and hold MINUS (-) button for 2 seconds enters the walking mode until released.

8.6 Off Road Mode

The Revv 1 is shipped with a default Class 2 (pedelec) setting which limits top speeds to 20mph using throttle and pedal assist. For speeds more than 28mph, rider must contact Ride1Up Customer Support to acknowledge private road use only and compliance with local laws and regulations. The rider must execute the Release of Liability, Waiver of Claims, and Indemnity Agreement before instructions are given to the rider on how to unlock the Off-Road Mode.

When you have access to safe terrain on private property, Off-Road Mode allows riders to achieve speeds more than 28mph. Top speeds are dependent on many factors such as rider strength and weight, terrain, and weather conditions and should only be access after the reading and understanding all sections of the entire manual in addition being experienced riding the bicycle in Class 3 mode.

Riders must have the physical condition, reaction time, and mental capability to ride safely and manage traffic, road conditions, sudden situations, and respect the laws governing electric bike use where they ride. Please refer to Section 1 for all full Safety Notes.

⚠ **Rider is responsible for referring to all local laws and regulations before accessing Off-Road Mode** ⚠

NOTE: ◆ THE DISPLAY MAY VARY BASED ON GENERATION. PLEASE REFER TO OUR ONLINE USER MANUAL BASE FOR UPDATED OR PREVIOUS MODELS.

9. Error Code Troubleshooting:

In the event of a problem with the electrical components of your bike, the display will show an error code. The error code may only appear briefly when the problem occurs. If an error occurs and you can do so safely, glance at your screen to see if an error code is present. Compare the code with this list below and how to resolve:

9.1 Error Codes/Source of the Error:

Code	Error
0x01	Display is in normal condition
0x03	The ebike is braking
0x04	The throttle is not homing (staying in the hing position)
0x05	The throttle is broken
0x06	Battery is under voltage protection
0x07	Overvoltage protection
0x08	The hall sensor is broken
0x09	The motor phase is broken
0x10	The controller temperature is high enough to reach the protection point
0x11	The motor temperature is high enough to reach the protection point
0x12	The current sensor is broken

0x13	The battery temperature is broken
0x14	The temperature sensor in motor is broken
0x15	The temperature sensor in the controller is broken
0x21	The PAS is broken
0x22	The BMS communication is failing
0x23	The front light is broken
0x24	The front light has failed
0x25	The torque signal of the torque sensor has failed
0x26	The speed signal of the torque sensor has failed
0x30	The protocol has failed

10. Warranty Information:

NOTE: (Full warranty terms can be found at https://ride1up.com/terms-and-conditions/)

All Ride1UP electric bikes come with a One-Year Limited Warranty from date of purchase. Defective items or parts will be replaced and shipped to the holder of the warranty only. Warranties are not transferable to parties other than the original purchaser. All purchases must be made directly from Ride1UP.com. If purchase was not made on Ride1UP.com, you must register your product by emailing support@ride1up.com with the original receipt of purchase.

The warranty covers product defects only that were already present at time of handover. It does not cover normal wear and tear, product misuse, act of God, accident, commercial use, alterations, modifications, improper assembly, water damage, extreme riding, installation of electrical or mechanical components that

have been modified, altered, or replaced with third-party parts, operator error and improper follow-up maintenance. The warranty is only upheld if the user has followed all the rules in the owner's manual. Ride1UP reserves the right to make judgment determinations of proper use based on the evidence provided and may require photos and/or videos of the items in question. Damages resulting from improper assembly are not covered by the warranty. The components that are covered are: Frame, Fork, Saddle, Stem, Headset, Tires, Battery, Brakes, Hubs, Freewheel or Cassette, Chain, Internal Controller, Display, Grips, and Motor.

10.1 How to Handle Warranty Claims:

In the event the E-bike is damaged during shipping, we will file a claim with the shipping company for major damage and send a replacement part when necessary. Minor scratches to components don't necessitate replacement or any refund, but for major aesthetic damage a credit may be issued, or replacement sent if the item is severely damaged. We will not cover any damage caused when owner sets up their own shipping option including using a freight forwarding or similar service.

Ride1UP will cover labor and parts involved in handling the guarantee within the 30-day period after purchase. It is the owner's responsibility to immediately inspect your bike on receipt, maximum within 3 days. Shipping claims are time sensitive. To quickly resolve the issue, the owner must send an email with a photo and/or video if appropriate to support@ride1up.com.

After the first 30-days, Ride1UP will ship replacement parts of defective items within one year at no charge. The owner will be responsible for labor. Warranty parts will be shipped within the U.S. only at our cost. It will be necessary to send an email with a photo and/or video as requested to support@ride1up.com so we can determine if it is covered under the warranty. Ride1Up cannot approve any warranty claims without obtaining the proper video and photo documentation.

Ride1UP reserves the right to make judgment determinations of proper use based on the evidence provided and may require additional photos and or videos of the item or issue in question.