USER MANUAL

B1 MODEL 510 ELECTRIC BIKE

Thank you for purchasing the B1 Model 510 Electric Bike from Glion. The B1 is a top-quality electric bike that will provide years of enjoyment. This manual contains instructions for assembling and operating your bike. Please read and understand this manual fully before assembling and operating your bike. If you still have any questions after reading this manual, please visit our website, send us an email, and/or give us a phone call.

We are here to help.

Website: www.getglion.com/support

Email: support@getglion.com

Phone: 855-500-2640

v230606

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ABOUT THIS MANUAL

This manual contains details of the product, its equipment, and information on operation, maintenance, and other helpful tips for owners. Read it carefully and familiarize yourself with the E-bike before using it to ensure safe use and prevent accidents. This manual contains many warnings and cautions concerning the safe operation and consequences if proper setup, operation, and maintenance are not performed. All information in this manual should be carefully reviewed and if you have any questions you should contact Glion immediately.

The notes, warnings, and cautions contained within the manual and marked by the triangular Caution Symbol below should be given special care.

Users should also pay special attention to information marked in this manual beginning with NOTICE.

Keep this manual, along with any other documents that were included with your bike, for future reference, however all content in this manual is subject to change or withdrawal without notice. Visit www.getglion.com to view and download the latest version. Glion makes every effort to ensure the accuracy of its documentation and assumes no responsibility or liability if any errors or inaccuracies appear within.

Assembly and first adjustment of your bike from Glion requires special tools and skills and it is recommended that this should be done by a certified, reputable bike mechanic if possible.

Because it is impossible to anticipate every situation or condition that can occur while riding, this manual makes no representations about the safe use of bikes under all conditions. There are risks associated with the use of any bike that cannot be predicted or avoided and are the sole responsibility of the rider.

WARNING: Incorrect assembly, maintenance, or use of your E-bike 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 at www.getglion.com, consult a local, certified, reputable bike mechanic.

WARNING: To reduce the risk of injury, close supervision is necessary when the product is used near children.

WARNING: Damage to your E-bike's electrical system caused in any manner, including water intrusion, can lead to battery failure, electrical system malfunction, or electrical fire and consequent property damage, injury, or death. Follow all recommendations to minimize chance of water damage. If you have any questions, contact Glion Product Support.

GENERAL INFORMATION

E-BIKE CLASSIFICATION

The Glion B1 Model 510 is a Class 2 electric bicycle. A Class 2: electric bicycle is equipped with a throttle-actuated motor that ceases to provide assistance when the E-bike reaches 20 mph.

The Glion B1 Model 510 has a 500 watt (W) electric motor.

WARNING: Many states require specific safety devices. It is your responsibility to familiarize yourself with the laws of the state where you ride and to comply with all applicable laws, including properly equipping yourself and your electric bicycle as the law requires. Observe all local electric bicycle laws and regulations. Observe regulations about electric bicycle lighting, licensing of electric bicycles, riding on sidewalks, laws regulating bike path and trail use, helmet laws, and special electric bicycle traffic laws. IT'S YOUR RESPONSIBILITY TO KNOW AND OBEY THE APPLICABLE LAWS.

ASSEMBLY AND FIT

Correct assembly and fit are essential to ensure your bicycle safety and comfort. Glion highly recommends you have a certified bike mechanic assemble your bike before your first ride. Even if you have the experience, skills, and tools to assemble your bike, Glion recommends for your safety having a certified bike mechanic inspect your work before the first ride.

WARNING: If you do not have the experience, skill, or tools to assemble your electric bike, Glion highly recommends having a certified, reputable bike mechanic assemble your electric bicycle for you, including any future adjustments or tuning.

WARNING: A critical aspect of assembling and safely riding your electric bicycle is the front and rear wheel axle nuts. The security and torque of all wheel mounting hardware should be inspected before your first ride upon arrival as well as on a regular basis. Both wheels axle nuts must be properly secured before operating your bike.

SAFETY CHECK BEFORE EACH RIDE

In addition to regular maintenance, always check the condition of your bike before each ride. If you are unsure of how to conduct a complete check of your bike's condition before every ride, you should consult a certified bike mechanic for assistance. See the "Pre-Ride Safety Checklist" section of this manual for more information.

ELECTRICAL SYSTEM

The electrical system of your E-bike offers various levels of power assistance and lighting for different operating conditions and users' preferences. It is critical that you familiarize yourself with all aspects of your E-bike's electrical system and check if everything is working correctly before each ride. The front and rear brake levers contain motor cutoff switches that disable the hub motor's assistance when the brake is applied. Both levers should be checked if they are working correctly by pulling each brake lever and then carefully depressing the throttle.

When operating the bike at a higher power assist level, the hub motor should provide a smooth, gradual acceleration of the motor's power. Should the power assist or motor levels function abnormally, intermittently, or not work at all, please stop using your E-bike immediately and contact our support team for assistance.

BRAKES

Ensure that brakes function normally and all components of the braking system are properly secured without any damage. When you fully squeeze the brake levers, ensure that neither the front nor the rear brake lever touches the handlebars and that the wheels are locked. Add tension to the brake cables or take your bike to a certified bike mechanic to have the brakes repaired when you face any problems.

WARNING: **Do not touch the brake rotor**. Touching the brake rotor, which has sharp edges and can get very hot while you're riding, can cause serious injury, slicing damage, or burns. The brake rotor heats up from normal friction when the brake pads press against the brake rotor to slow or stop the bike. Touching the brake rotor with bare skin can also transfer natural oils to the rotor, which can decrease braking performance. Do not touch the brake rotor, especially when it's in motion or after you've been riding your bike. Touch the brake rotor only for necessary maintenance when it is cool, not moving, and while you are wearing gloves or using other appropriate protective equipment.

RIMS AND TIRES

Your tire rims should always spin straight and must be repaired or replaced if they wobble from side to side or up and down when spinning. If your rims become untrue or spokes loosened, which could happen due to shipping or after use, we recommend having a certified bike mechanic tune the rims of your E-bike. Do not attempt to tune rims or tighten spokes unless you have adequate knowledge, tools, and experience. Inspect the tires for any physical damage and they are filled to the proper air pressure as indicated on the tire sidewall. Do not ride the bicycle with a tire that is physically damaged or is low or flat. Tires without the correct amount of air pressure could reduce performance, cause tires to wear faster, and make riding your bike dangerous. See the Tire Inflation and Replacement section of this manual for more information.

QUICK RELEASE LEVERS

Quick release levers are for securing the seat post and handlebar height adjustment. They allow the user to adjust the seat post and handlebar height without tools. Since quick release levers could be loosened during transportation, or accidentally between or during rides, it is important that you regularly check to ensure these quick releases are properly tightened.

WARNING: Failure to properly tighten, fully close, and secure the quick release clamps on your E-bike before riding could lead to loss of control causing serious injury or death.

HANDLEBAR, GRIPS, AND SEAT ADJUSTMENTS

Make sure that the handlebar and the handlebar stem are properly aligned, fitted to the user, and tightened to their corresponding, recommended torque values. Handlebar grips should not move easily at the ends of the handlebar. Loose, worn, or damaged handlebar grips should be replaced before riding. The handlebar, seat and seat post should be properly aligned, fitted to the user, and the seat post and handlebar quick releases should be properly tightened, fully closed, and secured before riding.

BATTERY CHARGED, SECURED, AND UNPLUGGED

Make sure that the battery is adequately charged and operating properly. The battery gauge on the LCD display and charge status indicator on the battery should be approximately the same. Also make sure the battery charger is unplugged from the outlet and the battery and is stored safely before riding. The battery MUST be locked using the provided key into the internal battery mount properly before use. Do not operate the electrical system if the battery is removed.

ACCESSORIES, STRAPS, AND HARDWARE

Ensure all hardware to be secured and all approved accessories to be properly attached following the instructions of specific component's manufacturer. It is always helpful to look over all hardware, straps, and accessories before each ride and, if you discover something wrong or find something you are unsure of, have it checked by a certified bicycle mechanic.

WARNING: DO NOT USE NON-GLION PRODUCTS WITH YOUR GLION ELECTRIC BICYCLE. Glion bicycles have been built to certain Glion design specifications. The original equipment supplied at the time of sale was selected based on its compatibility with motor, battery, controller, battery charger, frame, fork, and all other parts. Certain aftermarket products may not be compatible, may create a hazard, and will void the warranty.

WARNINGS AND SAFETY

SAFETY NOTES

WARNING: The following safety notes provide additional information on the safe operation of your bike from Glion and should be closely reviewed. Failure to review these notes can lead to serious injury or death.

• All users must read and understand this manual before riding their bike from Glion. Additional manuals for components used on the bike may also be provided and should be read before installing or using those components.

• Ensure that you comprehend all instructions and safety notes/warnings.

• Ensure the bike fits you properly before your first use. You may lose control or fall if your bike is too big or too small.

• Always wear an approved bicycle helmet whenever riding a bike and ensure that all helmet manufacturer instructions are used for fit and care of your helmet. Failure to wear a helmet when riding may result in serious injury or death.

• Ensure correct setup, tightening, and torquing to recommended torque values is performed on your bike before first using it and check the setup, tightening, and condition of components and hardware regularly.

• It is your responsibility to familiarize yourself with the laws and requirements of operating this product in the area(s) where you ride.

• Ensure the handlebar grips are undamaged and properly installed. Loose or damaged grips can cause you to lose control and fall.

• Do not use this product with standard bike trailers, stands, vehicle racks, or accessories that Glion has not tested for safety and compatibility and have verified as safe and compatible with the bike. Contact Glion to check if your equipment will work with the bike.

• Off-road riding requires close attention, specific skills, and presents variable conditions and hazards which accompany the conditions. Wear appropriate safety gear and do not ride alone in remote areas. Check local rules and regulations about whether off-road E-bike riding is allowed.

• DO NOT ENGAGE IN EXTREME RIDING. This includes but is not limited to jumps, stunts, or any riding that exceeds your capabilities. Although many articles/advertisements/catalogs depict extreme riding, this is not recommended nor permitted, and you can be seriously injured or killed if you perform extreme riding.

• Bikes and bike parts have strength and integrity limitations, and extreme riding, including but not limited to jumps, stunts, etc., should not be performed as it can damage bike components and/or cause or lead to dangerous riding situations in which you may be seriously injured or killed.

• Failure to perform and confirm proper installation, compatibility, proper operation, or maintenance of any component or accessory can result in serious injury or death.

• After any incident, you must consider your bike unsafe to ride until you consult with a certified, reputable bike mechanic for a comprehensive inspection of all components, functions, and operations of the bike.

• Failure to properly charge, store, or use your battery will void the warranty and may cause a hazardous situation.

• You should check the operation of the brake motor cutoff switches before each ride. The brake system is equipped with an inhibitor that cuts off power to the electric motor whenever the brakes are squeezed. Check proper operation of brake motor cutoff switches before riding.

• Extreme care should be taken when using the pedal assistance sensor and throttle on this product. Ensure you understand and are prepared for the power assistance to engage as soon as pedaling is underway.

• Users must understand the operation of the thumb throttle and pedal assistance sensors before using the bike and must take care to travel at speeds appropriate for the usage area, riding conditions, and user experience level. Always use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.

• Any aftermarket changes to your bike from Glion not expressly approved by Glion could void the warranty and create an unsafe riding experience.

• Because electric bikes are heavier and faster than normal bikes, they require extra caution and care while riding.

• Take extra care while riding in wet conditions including decreasing speed and increasing braking distances. Feet or hands can slip in wet conditions and lead to serious injury or death.

• Do not remove any reflectors or the pedestrian bell.

GENERAL OPERATING RULES

WARNING: Pay special attention to all the general operating rules below before operating your bike from Glion.

• When riding, obey the same road laws as all other road vehicles as applicable by law in your area.

• For additional information regarding traffic/vehicle laws, contact the road traffic authority in your area.

• Ride predictably, in a straight line, and with the flow of traffic. Never ride against traffic.

• Use correct hand signals to indicate turning.

• Ride defensively; to other road users you may be hard to see.

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

• Cross train tracks at a 90-degree angle or walk your bike across.

• Expect the unexpected such as opening car doors or cars backing out of driveways.

• Be careful at intersections and when preparing to pass other vehicles or other cyclists.

• Familiarize yourself with all the features and operations of the bike by Glion. Practice and become proficient at shifting gears, applying the brakes, using the power assist system, and using the throttle in a controlled setting before riding in riskier conditions.

• Wear proper riding clothes including closed-toe shoes. If you are wearing loose pants, secure the bottom using leg clips or elastic bands to prevent them from being caught in the chain or gears. Do not use items that may restrict your hearing.

• Check your local rules and regulations before carrying cargo.

• When braking, apply the rear brake first, then the front brake. If brakes are not correctly applied, they may lock up, you may lose control, and you could fall.

• Maintain a comfortable stopping distance from all other objects, riders, and vehicles. Safe braking distances are based on factors such as road surface and light conditions among other variables.

GENERAL WARNINGS

Like any sport, bicycling involves risk of damage, injury, and death. By choosing to ride a bike, you assume the responsibility for that risk, so you need to know, and practice the rules of safe and responsible riding and the proper use and maintenance of this bike. Proper use and maintenance of your bike reduces risk of damage, injury, and death.

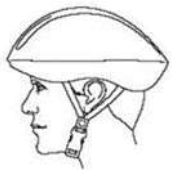
Biking and controlled substances do not mix. Never operate a bike while under the influence of alcohol, drugs, or any substance or condition that could impair motor functions, judgement, or the ability to safely operate a bike or another vehicle.

The Glion B1 is designed for use by persons 18 years old and older. Riders must have the physical condition, reaction time, and mental capability to ride safely and manage traffic, road conditions, and sudden situations, as well as respect the laws governing electric bike use where they ride, regardless of age. If you have an impairment or disability such as a visual impairment, hearing impairment, physical impairment, cognitive/language impairment, a seizure disorder, or any other physical condition that could impact your ability to safely operate a vehicle, consult your physician before riding any bike.

A NOTE FOR PARENTS AND GUARDIANS

As a parent or guardian, you are responsible for the activities and safety of your child. The Glion B1 is not designed for use by children under the age of 18. If you are carrying a passenger in a child safety seat, they should also be wearing a properly fitted and approved helmet.

HELMETS



It is strongly advised that a rider always wear a properly fitting and approved bicycle safety helmet when riding. Bicycle helmets should only and always be used for bicycle riding. When riding a bike, always wear a properly fitted helmet that covers the forehead. Many locations require specific safety devices. It is your responsibility to familiarize yourself with the local laws, rules, and regulations where you ride and to comply with all applicable laws, including properly equipping yourself and your bike as the law requires.

NIGHT RIDING

It is recommended to not ride at night if avoidable. Ride at night only if necessary.

• Wear reflective and light-colored clothing.

• Slow down and use familiar roads with street lighting, if possible.

• Ensure tire wall, pedal, and other reflectors are installed and unobstructed.

• Glion recommends the purchase of a taillight for night riding. Ensure your head light and taillight is functioning properly and use them when night riding.

WET WEATHER

It is recommended to not ride in wet weather if avoidable. 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.

• In wet weather you need to take extra care when operating this bike.

• Decrease riding speed to help you control the bike in slippery conditions.

• Brake earlier since it will take longer to slow than when operated in dry conditions.

• Take care to be more visible to others on the road. Wear reflective clothing and use approved safety lights.

• Road hazards are more difficult to see when wet; proceed with caution.

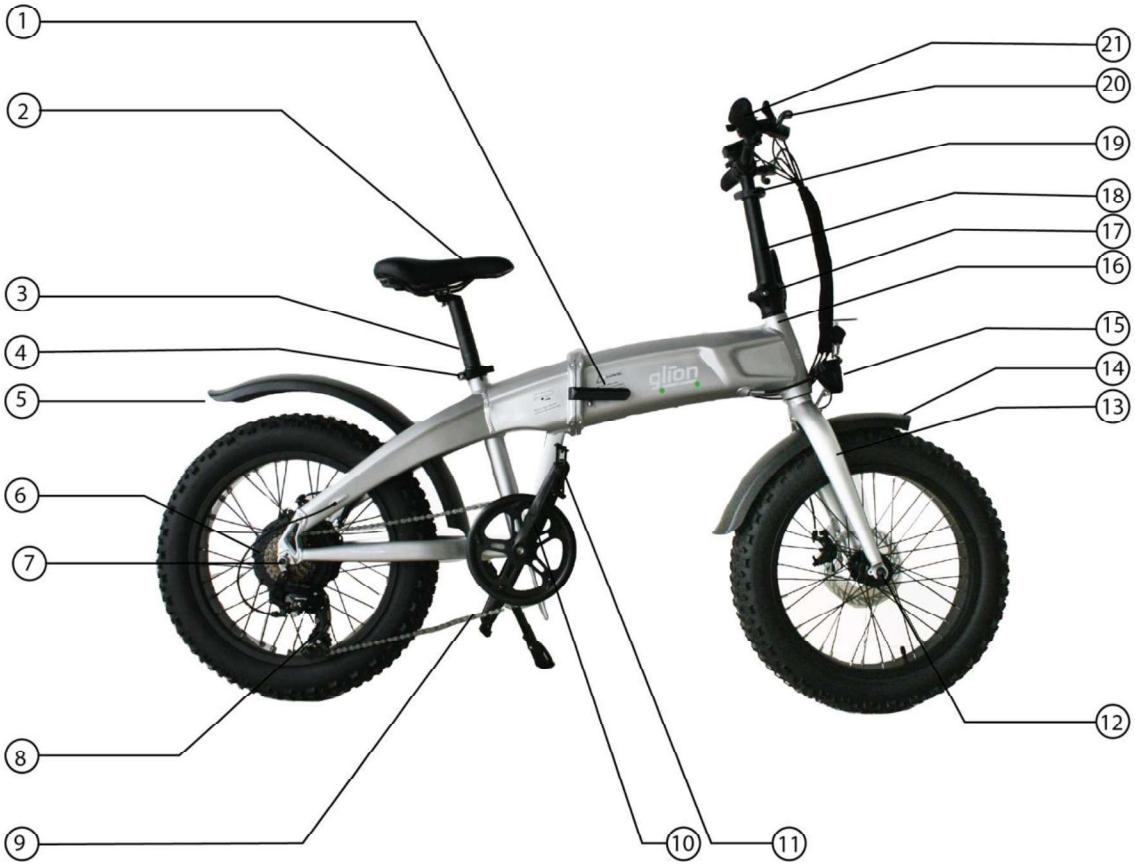
SPECIFICATIONS AND PARTS DIAGRAM

SPECIFICATIONS

Model Name	Glion B1
Model Number	Model 510
Maximum Speed	20 mph/32 kmh
Battery	48V 10.4 ah
Motor	500 Watts
Average Range Per Charge*	30 miles average
Wheel Size	20” x 4”
Charger	48 V 3A
Charging Time	Approximately 5 hours
Water Resistance	IPX4
Max Load	250 lbs./113 kg
Weight	60 Lbs./28 kg

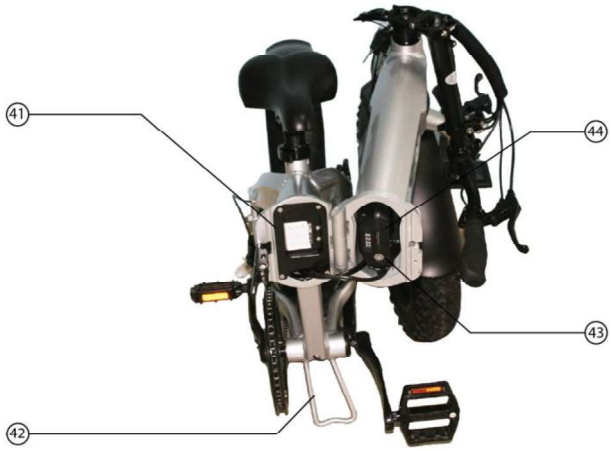
*Average Range Per Charge is measured under the conditions that power is sufficient, with a 165 lbs. (75kg) load, at6°F(30°C), 70% humidity, on a level hard surfaced road, in pure electric riding mode with no wind. Actual results may vary based on differences in temperature, load, wind speed, road conditions and other factors.

PARTS DIAGRAM



NO	Part	NO	Part	NO	Part
1	Two Step Frame Folding Mechanism	8	Derailer	15	Front Reflector/ Headlamp
2	Seat/Saddle	9	Chain	16	Headset
3	Seat Post	10	Crank	17	Two Step Stem Folding Mechanism
4	Seat Post Clamp	11	Pedals	18	Stem
5	Rear Fender	12	Front Wheel Axle	19	Handlebar Clamp
6	Hub Motor	13	Front Fork	20	Break Levers
7	Rear Wheel Axle	14	Front Fender	21	Right Grip (Shift, Lever, Pedestrian Bell)

NO	Part	NO	Part	NO	Part
22	Charge Port and Battery Indicator	29	Tires	36	Air Stem
23	LCD Display Center	30	Rims	37	Rear Fender
24	LCD Controls, Left Grip	31	Brake Rotors	38	Seat Post Clamp
25	Handlebar Clamp	32	Front Brakes	39	Rear Reflector
26	Stem	33	Kick Stands	40	Seat/Saddle
27	Two Step Stem Folding Mechanism	34	Rear Brake	41	Controller Access Plate
28	Front Reflector/ Headlamp	35	Hub Motor	42	Frame Stand



NO	Part	NO	Part	NO	Part
43	Battery Lock	46	LCD Display Remote	49	Shifter
44	Battery Insert	47	LCD Display	50	Thumb Throttle
45	Brake Levers	48	Pedestrian Bell		

ASSEMBLY INSTRUCTIONS

(Please Reference Unboxing/Assembly video at www.getglion.com)

The following steps are only a general guide to assembling your E-bike and are not a complete or comprehensive manual of all aspects of assembly, maintenance, and repair. If you do not have the experience, skill, or tools to assemble your electric bike, Glion highly recommends having a certified, reputable bike mechanic assemble your electric bicycle for you, including any future adjustments or tuning. At a minimum, please have the certified, reputable bicycle mechanic inspect the assembled bicycle before your first ride.

UNBOXING AND ASSEMBLY

WARNING: Incorrect assembly, maintenance, or use of your E-bike 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 at www.getglion.com, consult a local, certified, reputable bike mechanic.

Step 1 Unpack the electric bike

Open the bike box and remove the small box inside. With the help of someone who is capable of safely lifting a heavy object, remove the E-bike from the bike box. Carefully remove the packaging materials protecting the bike frame and all other components. Please recycle packaging materials, especially the cardboard and the foam. Open the small box and carefully set out all contents. The following should be included with the Glion B1 Model 510 Electric Bike:

- Assembly Toolkit (Allen Wrench/Screwdriver and Pedal Wrench)
- Left and Right Pedals
- Spoke Reflectors
- 48 v 10.4 ah battery (inserted in bike frame)
- Charger
- Keys (2 identical)
- Rear Axle Cap
- Rear Facing Reflector

If there are any missing parts, please contact Glion.

Step 2 Unfold the Electric Bike

Unfold the electric bike and lock the Two Step Frame Folding Mechanism. Extend Kickstand. Unfold the handlebar Stem to its upright position and secure by locking the Two Step Handlebar Folding Mechanism. Use caution keeping fingers, clothes or anything else away from the hinge.

Check that the Two Step Frame Folding Mechanism is latched and securely locked as shown in the assembly video. You should not be able to open the latch without disengaging the latch safety lock

(silver knob circled in red in image on right). Use caution to keep fingers, clothing, etc. away from folding parts and pitch points. Always check the frame folding mechanism latch and the handlebar folding mechanism latch are locked before moving the bike.

Step 3 Adjust Handlebar and Pedestrian Bell.

Using the 5 mm Allen Wrench provided, loosen (do not remove) the rear handlebar stem bolt located below the LCD Display (you will need to gently twist the LCD Display to expose bolts), rotate the handlebar upwards so the grips are approximately parallel to the ground and then securely tighten front and back handlebar stem screws and check that the handlebar cannot rotate up or down. Each stem screw should be secured to the recommended torque value (16 nm/12 F-lb).

Stand in front of the bike and clamp the front wheels with both legs, verify the handlebars are straight and inline with the front wheels.

Gently rotate the pedestrian bell so that it is also parallel to the ground. Using the Phillips head screw end of the provided Allen wrench, lock the pedestrian bell into position. Test bell.

Step 4 Install Reflectors

Install rear facing reflector on the Seat Post. Install the side spoke reflectors on the spokes opposite the tire air stem located on the front and rear tires.

Step 5 Set the Desired Seat Height

Open the Seat Post Clamp by hinging it open fully. Ensure the Seat Post Clamp opening is aligned with the notch at the rear of the seat tube. Adjust the seat post up or down to a comfortable height, while ensuring the seat post is inserted into the frame past the Minimum Insert position shown on the seat post.

If needed, use the thumb nut to add tension to the clamp so there is some resistance when the lever is in line with the clamp bolt but do not overtighten. Close the quick release clamp lever to secure the seat post and check that it cannot move. See “Adjusting the Seat” section of this manual for more details.

Step 6 Install Pedals

Locate the right side pedal. Pedal marked with an R. The right pedal goes on the Crank on the right side of the bike (chain side and is the same as the rider’s right when riding). The right pedal is threaded to tighten by turning clockwise (toward the bike’s front). Carefully thread the right pedal onto the crank on the ride side of the bike slowly by hand. Be careful to not cross thread or damage the threads. Finish tightening the right pedal with provided wrench.

Locate the left side pedal. Pedal marked with an L. The left pedal is reverse threaded and tightens counterclockwise (also toward the bike’s front). Carefully thread the pedal onto the left crank slowly by hand. Be careful to not cross thread or damage the threads. Finish tightening the left pedal with provided wrench.

Step 7 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 pressure indicated on the tire sidewall. Do not over/under inflate the tires.

Step 8 Review the Remainder of this Manual and Watch All Instructional Videos at www.getglion.com

If you assembled the bicycle yourself, Glion highly recommends you have a certified, reputable bicycle mechanic inspect the assembled bicycle before your first ride.

Once the bike has been assembled following the instructions above, read, understand, and follow the procedures outlined in the remainder of the manual before operating the bike.

NOTICE: If you have any questions regarding the assembly of your bike, please contact Glion. If you are unsure whether you assembled your bicycle correctly, please, for your safety and the safety of others, have a certified, reputable bicycle mechanic inspect the assembled bicycle before your first ride.

NOTICE: Ensure that all hardware is tightened properly following recommended torque values. Also ensure that all safety checks in the following sections are performed before the first use of the bike.

WARNING: Do not extend any components including the handlebar, seat post, or seat saddle beyond any minimum insertion marking etched into the components. Ensure that all hardware is properly tightened (to the values in the Recommended Torque Values table) and components are secured before moving on to the next step, otherwise, bike damage, serious injury, or even death could occur.

RIDER'S COMFORT

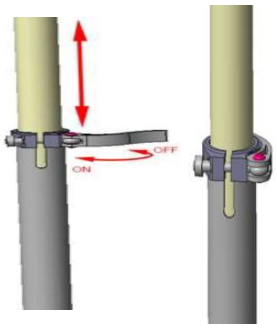
Generally, for the most comfortable riding position and the best pedaling efficiency, the seat height should be set in relation to the rider's leg length, as described in the "Adjusting the Seat Height" section, allowing the knees to be slightly bent with the ball of the foot still on the pedal when the pedal is at the lowest point at the bottom of each stroke.

NOTICE: Depending on a rider's preference, ability, and amount of experience with bikes and E-bikes, lowering the seat so the rider can put one or both feet on the ground without dismounting from the seat might offer a safer seat height to learn how to operate and balance the E-bike. Otherwise, you will have to dismount from the seat to straddle the bike with both feet on the ground.

To obtain the maximum comfort, riders should not overextend their arms' reach when riding. It is typically advised to ensure that the handlebar and brake lever angles allow a comfortable arm position and relatively straight line from forearms, wrists, and hands. Ensure that the handlebar angle is adjusted so that the handlebar does not contact the rider's body while turning. A bike fitting professional, such as a certified bike mechanic who specializes in bike fitting, should be consulted to ensure you have a good fit.

WARNING: If you have any questions regarding the proper fit of your bike, please consult a certified local bike mechanic for assistance.

ADJUSTING THE SEAT HEIGHT

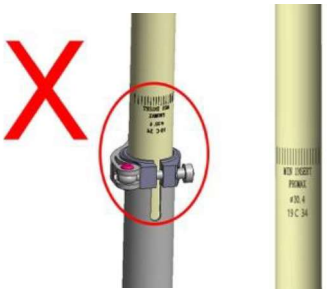


For most users, the seat height should be set by placing the ball of their foot on the pedal when the pedal is at its lowest point. In this orientation, their legs should be almost fully extended, with a slight bend at the knee. The correct seat height should not allow leg strain from overextension and the hips should not rock from side to side when pedaling. To adjust the seat height:

1. Open the quick release lever by swinging the lever open and outwards fully .

2. Move the seat up and down by sliding the seat post in or out of the seat tube.

Set the desired seat height.



WARNING: Ensure that both the seat post and seat are both properly adjusted before riding. DO NOT raise the seat post beyond the minimum insertion marking etched onto the seat post tube (as shown at figure to right). If the seat post projects from the frame beyond these markings (shown figure to right), the seat post and the frame may break, which could cause a rider to lose control and have an accident.

Ensure that the minimum insertion markings on the seat post are inside the seat tube of the frame (shown far right).

3. After tightening the adjustment nut (opposite the quick release lever) on the seat post quick release properly, close the quick release lever fully so it looks like the image above and the seat cannot move up, down, to the left, or right.

WARNING: Before using the bike, always check to ensure all latches, levers, and quick releases are properly tightened and undamaged. Check that they are correctly tightened and secured before every ride and after every time the bike is left unsupervised, even for a short time. Otherwise, the handlebar stem and/or seat post may come loose and can result in loss of control, damage to the bike/property, serious injury, or death.

ADJUSTING THE SEAT POSITION AND ANGLE

To change the angle and horizontal position of the seat:

1. Use a 6 mm hex wrench to loosen but not remove the seat adjustment bolt underneath the seat shown on figure to the right.

2. Once the bolt and clamp are adequately loose, rotate the front of the seat up or down to adjust the angle of the seat; a horizontal seat position is desirable for most riders. Move the seat backwards or forwards within the white limit markings on the seat rail, which show the minimum and maximum horizontal movement allowed for this component. Do not exceed these limits.

3. While holding the seat in the desired position, use a 6 mm hex wrench to tighten the seat adjustment bolt securely.

WARNING: Prior to first use, be sure to tighten the seat clamp via the seat adjustment bolt properly. A loose seat clamp or seat post adjustment bolt can cause bike/property damage, loss of control, a fall, serious injury or death. Periodically check to make sure that the seat clamp is properly tightened.

ADJUSTING HANDLEBAR HEIGHT

1. Open the quick release lever by swinging the lever open and outwards.

2. Move the handlebars up and down by sliding the handlebar post in or out of the stem careful not to over extend the handlebar electrical wires/brake cables.

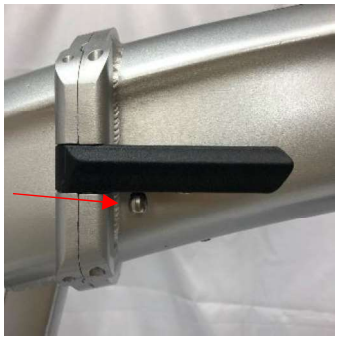
Set the desired handlebar height.

3. After tightening the adjustment nut (opposite the quick release lever) on the handlebar quick release clamp, properly close the quick release lever fully as shown in the image on the right and the handlebar is secure and cannot move up or down. Push down and pull up on the handlebar to make sure it is secure.

FOLDING AND UNFOLDING THE FRAME

Folding the frame of Glion B1 Model 510:

1. Stand at the left side of the bike and ensure the cranks are parallel to the ground and the kickstand is in the up position.



2. Push forward the silver knob located underneath the black latch of the Two Step Frame Folding Mechanism (step 1) and then pull open the black latch so that it is at least perpendicular to the frame (step 2).

3. Begin to fold until both sides of the frame are next to each other, turning the front wheel slightly left to facilitate folding if needed. Rest the bike on the frame stand under the cranks.

Helpful tip: While applying the front brake, press thigh against hinge to slightly unfold the bike and walk the rear of the bike forward.

Unfolding the frame of the Glion Model 510:

1. Carefully stand between the two wheels and unfold the frame while it rests on the frame stand under the crank.

2. Once the bike is nearly unfolded, check the wires between the frames to be sure they won't be pinched and finish unfolding the bike. You may have to use your fingers to carefully push the wires into the frame. Be careful not to pinch your fingers when doing so.

4. Push forward the silver knob located underneath the black latch of the Two Step Frame Folding Mechanism and then close the black latch and then release the silver knob. Try to pull the black latch away from the frame. It should not move without engaging the silver knob. Be careful when folding not to pinch the wires running through the frame.

NOTICE: Use caution to keep fingers, clothing, etc. away from the folding parts and potential pinch points when folding and unfolding your E-bike. Always check the frame folding mechanism latch and handlebar folding mechanism latch are locked before moving or riding the bike.

WARNING: Before each ride, visually inspect the frame for proper alignment and ensure all hardware is properly secured and the frame is tightly hinged together. Move the folded bike by tilting onto the front wheel, or by lifting with care; get help if needed.

FOLDING HANDLEBAR STEM OPERATION:

Follow these steps to fold and unfold the handlebar stem on the Glion Model 510:

Folding the Handlebar Stem for Storage:

1. Press and push up the circled stem clasp release button (step 1) and then pull the stem clasp away and down (step 2).

2. Fold the handlebar stem to the side, hinging away from the clasp.

Securing the Handlebar Stem in the Unfolded (Ready to Ride) Position:

1. Align the handlebar so it is upright and the hinge is closed, using caution to keep fingers, clothes, or anything else away from the clasp.

2. Press and push up the circled stem clasp release button and close the stem clasp and then release the circled button. When properly secured, the stem clasp should not move and you should not be able to pull the clasp away from the stem without pressing the stem clasp release button.

When properly secured, the stem clasp should not move. Contact Glion Product Support if the clasp moves when locked, which requires tightening.

WARNING: Before each ride, visually inspect the handlebar for proper alignment and ensure all hardware is properly secured and the stem and frame are securely locked.

BATTERY CHARGING

CHARGING PROCEDURE

The battery can be charged both when it is located inside of the frame or when it is seperated from the frame.

1. When battery is located inside of the frame:

a. Turn E-bike power off.

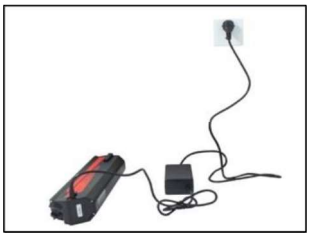
b. Locate charge port cover on the left side of the frame toward the front fork. Pull the tab on the bottom left corner of the charge cover and expose the charge port.

c. Plug the charger into the charging port first; then connect it to a power outlet (AC 100V-240V, 50/60HZ).

2. When the battery is outside of the E-bike:

a. When the bicycle is in the folded position, use the key to unlock battery and pull it out of the frame.

b. Place battery in a secure place protected from the elements and plug the charger into the charging port first; then connect it to a power outlet **(AC 100V-240V, 50/60HZ)**.



3. When the battery is fully charged, unplug the charger from the outlet, then the charging port. Charge status is indicated by the LED charge lights on the charger. Red indicates that the battery is charging. Green indicates the battery is fully charged. If the battery was charged outside of the frame, relocate the battery inside the frame and lock it in the frame with the provided key.

WARNING: Always charge your battery when the surrounding temperature is between **10 °C – 25 °C (50 °F – 77 °F)** and ensure that the battery and charger are not damaged before initiating charge. If you notice anything unusual while charging, please discontinue charging and the use of the bike and contact Glion support for help.

WARNING: Please take special care in charging your bike in accordance with the procedures and safety information detailed in this manual. Failure to follow proper charging procedures can result in damage to your bike, the charger, or personal property, and/or cause serious injury or death.

BATTERY CHARGING INFORMATION

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

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

• **Always charge in a safe area** that is dry, indoors, protected from the elements, away from direct sunlight, dirt, or debris, in a clear area away from potential to step on the charging cords and possible damage to the bike, battery, or charging equipment while parked and/or charging. Always charge your battery when the surrounding temperature is between **10 °C–25 °C (50 °F–77 °F).**

• **The battery should be recharged after each use** so that it is ready to go with a fully charged battery the next ride. There is no memory effect, so charging the battery after short rides will not cause damage or reduce range.

• **Charging the battery normally takes 3–7 hours**. The time the charger takes to fully charge the battery depends on various factors including distance traveled, riding characteristics, terrain, payload, and battery age.

• The battery may take longer to charge when fully depleted, when very new, and after 3–5 years of regular use. If your battery does not seem to be charging normally, is taking longer to charge than expected, or you are experiencing substantial reduction in range, please discontinue your use of this battery and contact Glion Support immediately.

• **The charge indicator lights** on the charger will show one red light while the battery charges. When charging is complete, the indicator light will turn green. Ensure that the indicator lights face upwards when charging.

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

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

• **Do not leave a charging battery unattended.**

NOTICE: Failure to follow Battery Charging Best Practices could result in unnecessary wear to the charging components, battery, and/or charger, and could lead to an underperforming or non-functional battery, and replacement will not be covered with warranty.

WARNING: If your battery does not seem to be charging normally, is taking longer to charge than expected, or you are experiencing substantial reduction in range, please discontinue your use of this battery and contact Glion Support immediately.

WHEN THE BATTERY IS REMOVED FROM FRAME

Be careful not to drop or damage the battery when removing the battery from the frame or when it is loose from the bike.

• Do not touch or damage the terminal contacts at the end of the battery and keep them clear of debris.

• Do not turn the bike on if you are riding it without the battery installed, or else damage to the electrical system could occur.

WARNING: Use caution to avoid damage to battery connector terminals, which are exposed when the battery is unlocked or removed from the frame of the bike. In the case of damage to the terminals or battery mounts, please discontinue the use of your bike and contact Glion Product Support immediately**.**

WHEN INSTALLING THE BATTERY INTO THE BIKE

• **Do not force the battery into the frame**; carefully align and gently insert the Battery Guides into the Battery Frame Track as shown below.

Battery Guides

Battery Frame Track

• After installation, verify the battery key is in the locked position by attempting to pull out the battery. Battery should be locked into position and cannot be pulled out without turning the key. Remove key before folding bike.

NOTICE: If Battery Guides are not properly inserted into the Battery Frame Track, the terminal connections will be misaligned and the ebike will be without power. To fix, carefully remove battery and reinstall by using the indented handle on the upper right side of the battery to pull the battery from the frame.

CHARGER SAFETY INFORMATION

• The charger should only be used indoors in a cool, dry, and ventilated area on a flat, stable, hard surface.

• Always have the charge light on the charger facing up when in use**.**

• Avoid contact between the charger and any liquids, dirt, debris, or metal objects.

• Do not cover the charger while in use.

• Store and use the charger in a safe place away from children and away from potential damages caused by falling.

• Do not charge the battery with any chargers other than the one originally supplied by Glion or a charger designed for your specific bike and purchased directly from Glion.

• The charger works on **180V-240V, 47-63HZ** standard home AC power outlets and automatically detects and accounts for incoming voltage. Do not open the charger or modify voltage input.

• Do not yank or pull on the cables of the charger. When unplugging, carefully remove both the AC and DC cables by pulling on the plastic plugs directly, not pulling on the cables.

• The charger is designed to get warm when operating. If the charger gets too hot to touch, you notice a strange smell, or any other indicator of overheating, discontinue charging immediately and contact Glion Product Support.

Charge the battery only with the charger originally supplied with the bike, or a charger purchased directly from Glion, designed for your specific bike serial number. Never use an aftermarket charger, which can result in damage, serious injury, or death.

Please take special care in charging your bike in accordance with the procedures and safety information detailed in this manual. Failure to follow proper charging procedures can result in damage to your bike, the charger, or personal property, and/or cause serious injury or death.

BALANCING THE BATTERY

When you first receive your bike and for the first three times you charge your battery from Glion, follow the procedure outlined below to ensure the cells that power the battery are balanced and operating as efficiently as possible.

Note: Since the battery should arrive with between 50-75% of a charge, it should be able to be ridden without initially charging once assembled and verified as safe by a certified, reputable bike mechanic.

Charging normally before the first ride is also fine.

1. After the first, second, and third ride, regardless of distance ridden or the amount of battery used, charge the battery and leave the charger attached to the battery and the outlet for as close to 12 hours as possible (but not longer than 12 hours). Note: this may require leaving the charger attached to the battery and outlet even after the charger illuminates one green light indicating the battery is full.

2. Disconnect the charger from the outlet then the battery once the first balance charge (long charge as close to, but not longer than, 12 hours) is complete and store the bike until you are ready for your next ride.

3. Ride the bike again with power assistance as normal, and discharge part (or all) of the battery capacity.

4. Repeat steps 1-3 for a total of three balance charging sessions (as close to, but not longer than, 12 hours).

5. After the third balance charge and fourth ride, begin normal charging procedures including:

- o Charging the battery after each ride according to the Battery Charging Information section.
- o Removing the charger from the battery as close to the green charge light indicating the battery is full, which will typically occur between 3-7 hours.
- o Never leave the battery charging for longer than 12 hours.
- o Never leave the battery/charger unattended while charging.

Repeat battery balancing steps 1-5 only after a period of long-term battery storage (see the Long-Term Battery Storage section), if experiencing noticeable range decline, when instructed to do so by Glion Product Support, or up to once per month with frequent use as proactive battery maintenance. Do not perform battery balancing more than once per month.

LONG-TERM BATTERY STORAGE

If you intend to store your bike for more than two weeks at a time, follow the instructions below to maintain the health and longevity of your battery.

• Charge (or discharge) the battery to approximately 75% charged.

• Power off the battery and leave it locked to the frame. Alternatively, you can unlock and remove the battery from the frame for storage.

• Store the battery in a dry, climate-controlled, indoor location where the temperature is between **10 °C–25 °C (50 °F–77 °F).**

• Check on the battery every month, and if necessary, use the charger originally supplied with the bike to charge the battery to 75% charged.

Please follow the above instructions for storing your bike and battery from Glion. Failure to follow proper battery storage procedures can result in a non-functional battery. Replacement will not be covered under warranty.

If the battery is physically damaged, non-functional, performing abnormally, or was dropped or involved in a crash, with or without obvious signs of damage, please discontinue use and charging and contact Glion immediately.

Do not cover up the charger when plugged in or charging. The charger air cools and needs to be on a hard, flat surface in an open space. Use the charger with the indicator lights facing upward. Do not use with the charger inverted, which can inhibit cooling and reduce charger lifespan.

Do not open the battery housing, which will void the warranty and can result in damage to the battery or property, or cause serious injury and/or death.

OPERATION

NOTICE: Do not perform any of the steps in the Operation section of this manual until you have read this entire manual and have viewed our operation video in its entirety on our website www.getglion.com, since there are important details in the following sections related to safety.

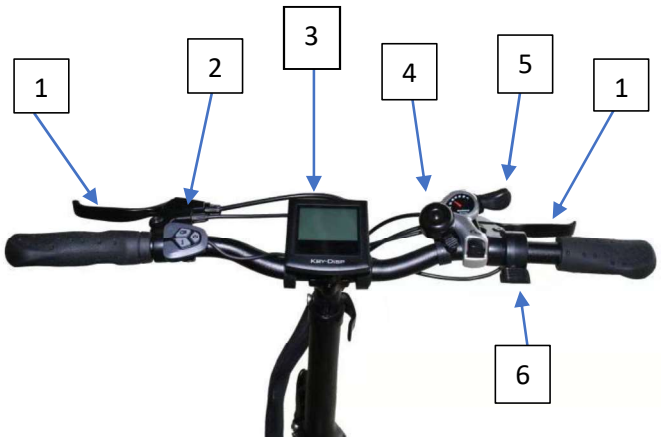
Read and understand all sections of this entire manual and watch in its entirety our operations video at www.getglion.com before operating the bike for the first time. There are important safety warnings throughout the whole manual that must be followed to prevent dangerous situations, accidents, damage to the bike, damage to property, injury, or death.

Users must follow the instructions and warnings contained in this manual for safety. Do not attempt to operate your bike until you have adequate knowledge of its control and operation. Damage caused by failing to follow instructions is not covered under warranty and could result in dangerous situations, accidents, injury to you and others, damage to the bike, damage to property, injury, or death. Contact Glion Product Support if you have any questions about assembly or operation.

Users must become accustomed to the bike's power control system before operating. The throttle mechanism allows full power to be activated from a stop and inexperienced users should take extra care when first applying the throttle. The pedal assistance feature is also a powerful option and users should fully research and understand how to operate it before first use. Not taking care to familiarize yourself and practice the operation of the power system on your bike can lead to serious injury, or death.

HANDLEBAR FEATURES

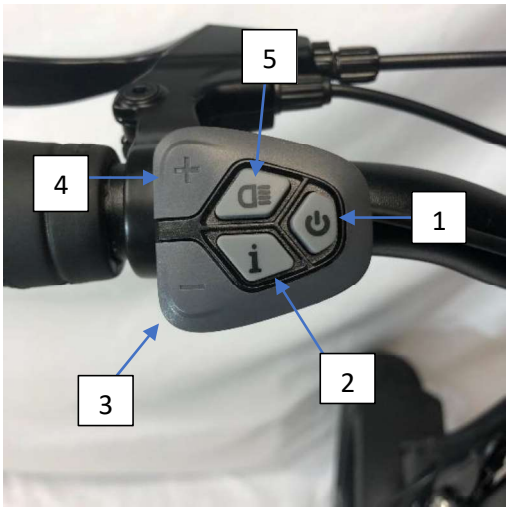
Location on Handlebar	Component
1	Brake Levers
2	LCD Display Remote
3	LCD Display
4	Pedestrian Bell
5	Shifter
6	Thumb Throttle



LCD DISPLAY REMOTE CONTROLS

The display is controlled using the 5-button LCD display remote mounted on the left side of the handlebar (shown below). Reference the LCD Display Operations section in this manual for instructions on how to perform various operations using these buttons and, when applicable, other components of the bike.

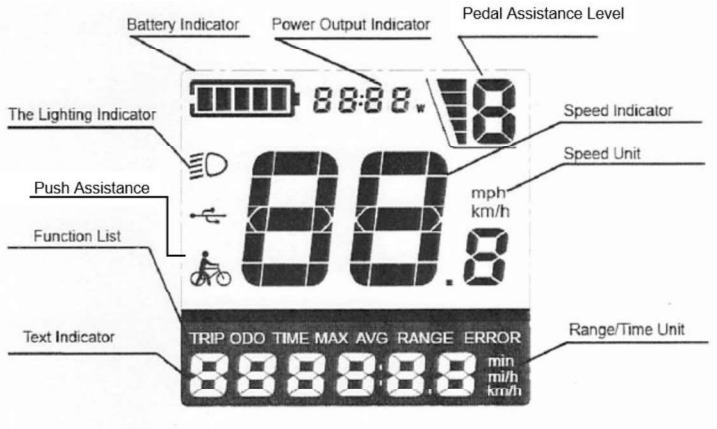
1	Power On/Off
2	Display-function
3	Reduce/scroll down
4	Increase/scroll up
5	Light On/Off

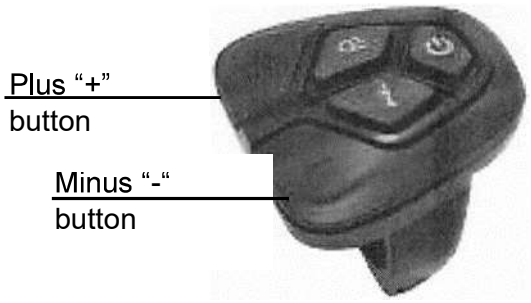


LCD DISPLAY INFORMATION AND OPERATION

Please note, the LCD Display has been programmed to meet Glion's Electric Bike operating specifications. Reprograming the LCD Screen could result in product malfunction and damage. Please contact support@getglion.com or visit www.getglion.com with any questions or concerns about your Glion LCD Display.

DISPLAY AND FUNCTIONS





GENERAL OPERATION

<u>On/Off</u>

Hold the On/Off button on the remote for 1 second to turn on. Hold the On/Off button for 2 seconds to turn off. When the E-bike is parked for approx. 10 minutes, the E-bike system switches off automatically.

<u>Switching Push-assistance Mode On/Off</u>

To activate the push-assistance function, press and hold the "-" button on the remote. After 2 seconds, the E-bike is activated to go at a uniform speed of approximately 3.5 mph (6 Km/h) while the screen shows . The push-assistance function is switched off as soon as you release the button.

WARNING: Push assistance mode should only be used while dismounted from the bike and with both hands on the handlebar. Always keep at least one hand on a brake lever to allow quick cutoff of the motor assistance if necessary and to maintain control of the bike.

<u>Switching Lighting On/Off</u>

To switch on E-bike headlamp and the display backlight, briefly press the button on the remote. Press the button again to switch off the headlamp. The display backlight brightness is automatically reduced while the screen displays while lighting is turned on.

Thumb Throttle/Pedal Assistance Level Options

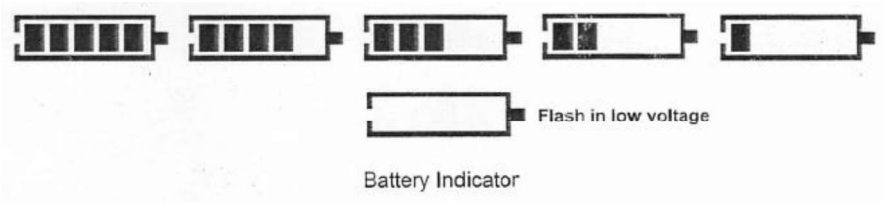
The assist level of the E-bike drive can be changed anytime, even during riding. The assist level ranges from 0 to 5. The default is “1” when the display is started. Level 1 is the minimum output power; level 5 is the maximum. Press the +/- button on the remote to increase/decrease the levels and change the motor output power.

Thumb Throttle: In power setting “0”, the thumb throttle is activated and the rider has power on demand by depressing the thumb throttle, including from a complete stop. In this power setting, the pedal assist is deactivated. The motor stops when the throttle is released or a brake lever is squeezed.

Pedal Assistance: In power settings “1-5”, the thumb throttle is deactivated and the motor can only be engaged by pedal assistance. When using pedal assist, an electric motor supplements the rider’s own effort. To use the pedal assist, simply start pedaling, tap the +/- arrows to increase or decrease the amount of pedal assist. Pedal assist will engage at speeds up to 20 mph.

In pedal assist, the motor stops when you stop pedaling or squeeze a brake lever.

Battery Indicator



The five battery bars represent the capacity of the battery. Each bar is equivalent to a capacity of approximately 20% When the battery is in low voltage, the battery frame will flash to give a notice that the battery needs to be recharged immediately.

Best Practices for Extending Range and Battery Life:

• Whenever possible, avoid applying full throttle 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.

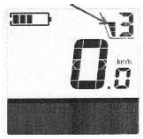
• Reduce your power consumption whenever possible.

• Do not climb hills steeper than 15% in grade.

• Avoid sudden starts and stops.

• Accelerate slowly.

Motor Power Indicator



The power of the motor can be read on the interface. This illustration shows the power at level 3.

Error Code Indication

The components of the E-bike system are continuously and automatically monitored. When an error is detected, the respective error code displays in the text indication area**. If your bike has an error code displayed at any time it is recommended you cease operation and contact Glion Product Support.**

Error	Definition
08	Connection Abnormality. Check plugs under zippered sleave at handlebar and motor plug
21	Current Abnormality
22	Throttle Abnormality
23	Motor Phase Abnormality
24	Motor Hall Signal Abnormality
25	Brake Abnormality
30	Communication Abnormality

Information Modes

Short press the “i” button to toggle between Trip Distance, Odometer, Time Traveled, Max Speed and Average Speed located at the bottom of the LCD Display.

GENERAL SETTINGS

To access General Settings menu, hold both the “+” button and the “-“ button for 2 seconds. **All the Settings are completed on a parked E-bike.**

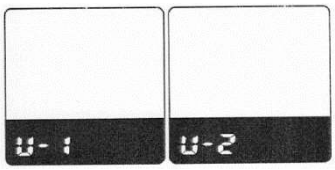
Trip Distance Reset

tC represents trip distance clearance setting. The default is N. To clear trip distance, press the “-“ button until the Y is displayed. To store a changed setting, press the “i” button and then access backlight settings.

Backlight Settings

bL represents backlight settings. Level “1” is the low brightness. Level “2” is medium brightness, and Level “3” is high. The default level is “1”. Press the “+” or “-“ button the choose the desired setting. To store a changed setting, press the “i” button and then access the unit toggling Settings.

Unit km/mi settings



U represents unit settings. “1” is mile and “2” is kilometer. The default value is “2”. To toggle unity, press the “+” or “-“ button to choose the desired setting. Then press the “i” button to confirm. To store a changed setting, press the “i” button and then access trip distance clearance settings again or hold the “i” button for 2 seconds and exit General Settings.

START-UP PROCEDURE

After the bike has been properly assembled following the assembly video at www.getglion.com and this user manual, all components are secured correctly, and you have read this entire manual plus you have viewed the operating video at www.getglion.com, you may turn the bike on and select a power level (default setting is "1") following the steps outlined below:

1. Ensure proper handlebar and seat adjustment of the bike to the rider. Lowering the seat so the rider can put one or both feet flat on the ground without dismounting from the seat may offer a safer and more comfortable introduction to operating the bike. Make sure quick release clamps for the seat post and the handlebar are securely locked. Make sure the two step folding mechanism for the frame and stem are properly tightened and locked. Complete the Pre Ride Safety Check described later in this manual.

2. Turn the bike on by pressing and holding the On/Off power button for 1 second.

3. Turn on the headlight if needed or desired by pressing the button.

4. Select the desired level of pedal assistance (PAS) between level 0 through 5 using the up and down arrows on the display remote. Level 1 is the default setting. It corresponds to the lowest level of pedal assistance. Level 5 corresponds to the highest level of pedal assistance. Level 0 activates the thumb throttle and inactivates the pedal assistance. Start in PAS level 0 or 1 and adjust from there.

5. Begin riding carefully. With the proper safety gear and rider knowledge, you may now operate your bike from Glion. On a flat surface, in a low gear (1 or 2), most riders should be able to begin pedaling the bike with PAS 0 or 1. You may also use the throttle to accelerate and maintain your desired speed with PAS set to 0.

6. The throttle is used by slowly and carefully depressing the thumb throttle downward. The throttle is active whenever the bike is turned on and PAS is set at "0". Do not use the throttle unless you are on the bike.

WARNING: Do not use the throttle while dismounted. Avoid accidental application of the throttle while dismounted; anytime you are moving the bike while dismounted, ensure the bike is powered off to prevent accidental application of the throttle.

NOTICE: Even if you are an experienced bike user, please take the time to read and implement the guidelines described in the owner's manual accompanying your E-bike by Glion, and any manuals included with each subcomponent.

PARKING, STORAGE, AND TRANSPORT

Please follow these basic parking, storage, and transport tips to ensure your bike is well cared for on and off the road.

• When pushing or carrying the bike manually, turn off the power to avoid accidental acceleration from the motor.

• Turn the power and any lights off to conserve battery.

• Ensure the battery is locked into the frame or use the key to remove the battery and bring it with you for security or storing in a temperature controlled environment.

• Park indoors when possible. If you must park outdoors in rain or wet conditions, you should leave your E-bike outside for only a few hours and then park it in a dry location as soon as possible to allow all of the systems to dry out. As with a regular bike, an E-bike used in wet conditions needs a more frequent maintenance schedule to prevent rust, corrosion, etc. and to ensure all systems are working safely.

• In public places, your bike from Glion must be parked in accordance with local rules and regulations.

• Locking up your bike is recommended to ensure your bike is secure and the chance of theft is reduced. Glion makes no claims or recommendations on the proper lock hardware or procedures to secure your bike, but we do recommend you take appropriate precautions to keep your bike safe from theft.

• Do not park, store, or transport your bike from Glion on a rack not designed for the bike's size and weight.

• Use a rack compatible with the width of tires used on your bike. Some racks may not accommodate all tire widths.

• When carrying your bike on a rack for transport, unlock the battery, remove the key, and then remove the battery. This will reduce the weight of the bike, make lifting and loading easier, and allow you to protect the battery by transporting it in the cab of a vehicle.

• Avoid transporting bikes from Glion on a vehicle rack during rain, as this may cause water damage to the electrical components.

WARNING: Never fold or carry the Glion Model 510 while the bike is powered on. Turn off the bike, unlock, and remove the battery to be sure the power cannot be accidentally applied while the bike is folded or being carried. Failure to ensure the bike is off while folding or carrying the Glion Model 510 can result in bike or property damage, serious injury, or death.

MAINTENANCE

BICYCLE CARE

WARNING: If you do not have the experience, skill, and tools to complete maintenance and adjustment of your E-bike, Glion strongly recommends having a certified, reputable bike mechanic maintain, tune, and ensure the bike is safe to ride.

To ensure safe riding conditions you must properly maintain your E-bike. Follow these basic guidelines and see a certified, reputable bike mechanic at regular intervals to ensure your E-bike is safe for use and fun to ride.

- Properly maintain batteries by keeping them fully charged when between uses of up to two weeks apart. See Long-TermBattery Storage section of manual for information on storing the battery for longer than two weeks between rides.
- Never immerse or submerge the bike or any components in water or liquid, which can damage the electrical system.
- Periodically check wiring and connectors to ensure there is no damage and the connectors are secure.
- To clean your E-bike, turn the bike and battery off and wipe the frame with a clean, damp cloth. If needed, apply a mild, non- corrosive detergent mixture to the damp cloth and wipe the frame. Dry by wiping with a clean, dry cloth. Never use high-pressure water on your bike. Wipe down your bike frequently and wipe or spray all unpainted mechanical parts with anti-rust treatment.
- Store under shelter and in an upright position; avoid leaving the bike in the rain or exposed to corrosive substances such as water, salt, or de-icing substances. If exposed to rain, dry your bike afterward, and apply an anti-rust treatment to the chain and other unpainted steel surfaces.
- Avoid riding on the beach, in coastal areas with high-salinity fog, or on surfaces treated with salt or de-icing compounds. Doing so exposes your bike to salt or other substances that are very corrosive. Corrosion of electrical components can lead to permanent, irreversible damage that can cause battery failure, electrical system failure, or electrical fire. Damage from corrosion is not covered under warranty.
- If the hub and bottom bracket bearings have been submerged in water or liquid, they should be taken out and re-greased. This will prevent accelerated bearing deterioration.
- If painted metal parts become scratched or chipped, use touch up paint or nail polish to prevent rust.
- Regularly clean and lubricate all moving parts; tighten and adjust components as required.
- Regularly inspect all pre-attached and optional component hardware to ensure proper torque spec, secure attachment,and good working condition.

See the Pre-Ride Safety Checklist and Recommended Service Intervals sections below for more detailed information.

PRE-RIDE SAFETY CHECKLIST

Notice: Before every ride, and after every 25-45 miles (40-72 km), we advise following the pre-ride safety checklist.

Safety Check	Basic Steps
1. Brakes	Ensure front and rear brakes work properly. Check brake pads for wear and ensure they are not overworn. Ensure brake pads are correctly positioned in relation to the rims. Ensure brake cables are lubricated, correctly adjusted, and display no obvious wear.Ensure brake levers are lubricated and tightly secured to the handlebar. Test that the brake levers are firm and that the brake, motor cut off functions, and the brake light arefunctioning properly.
2. Wheels and Tires	Ensure tires are inflated within the recommended limits posted on the tire sidewalls and hold air. Ensure tires have good tread, have no bulges or excessive wear, and are free from any other damage.Ensure rims run true and have no obvious wobbles, dents, or kinks. Ensure all wheel spokes are tight and not broken. Check axle nuts and front wheel quick release to ensure they are tight. Ensure the locking lever on the quick release skewer is correctly tensioned, fully closed, and secured.
3. Steering	Ensure the handlebar and stem are correctly adjusted, tightened, and allow proper steering. Perform a handlebar twist test (see assembly step 4) to ensure the stem riser clamp bolt security.Ensure the handlebar is set correctly in relation to the fork and the direction of travel.
4. Chain	Ensure the chain is clean, oiled, and runs smoothly. Extra care is required in wet, salty/otherwise corrosive, or dusty conditions.
5. Bearings	Ensure all bearings are lubricated, run freely, and display no excess movement, grinding, or rattling. Check headset, wheel bearings, pedal bearings, and bottom bracket bearings.
6. Cranks and Pedals	Ensure pedals are securely tightened to the cranks. Ensure the cranks are securely tightened and are not bent.
7. Derailleur and Mechanical Cables	Check that the Derailleur is adjusted and functioning properly. Ensure shifter and brake levers are attached to the handlebar securely. Ensure all shifter and brake cables are properly lubricated.
8. Frame, Fork, and Seat	Check that the frame and fork are not bent or broken. If either frame or fork are bent or broken, they should be replaced. Check that the seat is adjusted properly, and seat post quick release lever is securely tightened.
9. Motor Drive Assembly and Throttle	Ensure hub motor is spinning smoothly and motor bearings are in good working order. Ensure all power cables running to hub motor are secured and undamaged. Make sure the hub motor axle bolts are secured and all torque arm and torque washers are in place.
10. Battery	Ensure battery is charged before use. Ensure there is no damage to battery. Lock battery to frame and ensure that it is secured. Charge and store bike and battery in a dry location, between 50 °F – 77 °F (10 °C – 25 °C). Let bike dry completely before using again if it gets wet.
11. Electrical Cables	Look over connectors to make sure they are fully seated and free from debris or moisture. Check cables and cable housing for obvious signs of damage. Ensure headlight, taillight, and brake light are functioning, adjusted properly, and unobstructed.

12. Accessories	Ensure all reflectors are properly fitted and not obscured. Ensure all other fittings on bike are properly secured and functioning. Inspect helmet and other safety gear for signs of damage. Ensure rider is wearing a helmet and other required riding safety gear. Ensure the mounting hardware is properly secured if fitted with a front rack, rear rack, basket, etc. Ensure the taillight and taillight power wire are properly secured if fitted with rear rack. Ensure fender mounting hardware is properly secured if fitted with fenders. Ensure there are no cracks or holes in fenders if fitted with fenders.

WARNING: If you are unsure how to properly perform these safety checks, before your first ride, Glion strongly recommends consulting a certified, reputable bike mechanic to perform an initial safety check and teach you how to perform these checks in the future.

WARNING: Your cables, spokes, and chain will stretch after an initial break-in period of 50-100 mi (80-160 km), and bolted connections can loosen. Always have a certified, reputable bike mechanic perform a tune-up on your Glion B1 Model 510 after your initial break-in period of 50-100 mi (80-160 km) (depending on riding conditions such as total weight, riding characteristics, and terrain). Regular inspections and tune-ups are particularly important for ensuring that your bike remains safe and fun to ride.

TIRE INFLATION AND REPLACEMENT

The Glion Model 510 uses rubber tires with inner tubes. The tires on your bike are designed for durability and safety for regular cycling activities and to be checked before each use for proper inflation and condition. Proper inflation, care, and timely replacement will help to ensure that your bike' s operational characteristics will be maintained, and unsafe conditions avoided.

Always stay within the tire manufacturer's recommended air pressure range as listed on the tire sidewall.

WARNING: It is critically important that proper air pressure is always maintained in pneumatic tires. Do not underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst. Failure to always maintain the air pressure rating indicated on pneumatic tires may result in tire and/or wheel failure.

WARNING: Inflate your tires from a regulated air source with an available pressure gauge. Inflating your tires from an unregulated air source could overinflate them, resulting in a burst tire.

Tires can and do get flats from punctures, pinches, impact, and other causes. When tire wear becomes evident or a flat tire is discovered, you must replace the tires and/or tubes before operating the bike or injury to operators and/or damage to your bike could occur.

WARNING: When changing a tire or tube, ensure that all air pressure has been removed from the inner tube prior to removing the tire from the rim. Failure to remove all air pressure from the inner tube could result in serious injury.

WARNING: Using aftermarket tires or inner tubes, not provided by Glion Bikes may void your warranty, create an unsafe riding condition, or damage to your bike by Glion Bikes. If required by law, ensure replacement aftermarket tires have sufficient reflective sidewall striping.

For more information on tire or tube replacement procedures, or questions about tire inflation, contact Glion Bikes Product Support: support@getglion.com or Call: 1-855-500-2640.

TROUBLESHOOTING

	Symptoms	Possible Causes	Most Common Solutions
1	**The bike does not work**	1. Insufficient battery power 2. Faulty connections 3. Battery not fully seated in tray 4. Improper turn on sequence 5. Brakes are applied 6. Blown discharge fuse 7. LCD Display Disconnected from Controller from raising handlebar too high	1. Charge the battery 2. Clean and repair connectors 3. Install battery correctly 4. Turn on bike with proper sequence 5. Disengage brakes 6. Replace discharge fuse 7. Check Connections below handlebar
2	**Irregular acceleration and/or reduced top speed**	1. Insufficient battery power 2. Loose or damaged throttle 3. Misaligned or damaged magnet ring	1. Charge or replace battery 2. Replace throttle 3. Align or replace magnet ring
3	**The motor does not respond when the bike is powered on**	1. Loose wiring 2. Loose or damaged throttle 3. Loose or damaged motor plug wire 4. Damaged motor	1. Repair and or reconnect 2. Tighten or replace 3. Secure or replace 4. Repair or replace
4	**Reduced range**	1. Low tire pressure 2. Low or faulty battery 3. Driving with too many hills, headwind, braking, and/or excessive load 4. Battery discharged for long period of time without regular charges, aged, damaged, or unbalanced 5. Brakes rubbing	1. Adjust tire pressure 2. Check connections or charge battery 3. Assist with pedals or adjust route 4. Balance the battery; contact Tech Support if range decline persists 5. Adjust the brakes
5	**The battery will not charge**	1. Charger not well connected 2. Charger damaged 3. Battery damaged 4. Wiring damaged 5. Blown charge fuse	1. Adjust the connections 2. Replace 3. Replace 4. Repair or replace 5. Replace charge fuse
6	**Wheel or motor makes strange noises**	1. Loose or damaged wheel spokes or rim 2. Loose or damaged motor wiring	1. Tighten, repair, or replace 2. Reconnect or replace motor.

ADDITIONAL WEAR INFORMATION

Components of the Glion E-bike are subject to higher wear when compared to bikes without power assistance. This is because the E-bike can travel at higher average speeds than regular bicycles and has a greater weight. 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, suspension forks, spokes, wheels, and the battery.

WARNING: When the useful life of a component is surpassed it can cause unexpected loss of function. This can result in serious injuries or even death. Therefore, pay attention to wear characteristics such as cracks, scratches, or changes in the color or operation of components which could indicate useful life has been exceeded. Worn components should be replaced immediately. If you are unfamiliar with regular maintenance, a certified, reputable bike mechanic should be consulted.

LIMITED WARRANTY

Your bike' s warranty and other binding legal terms (e.g., terms of purchase, etc.) are subject to change at any time. To view your terms of purchase and know current warranty, please go to https://www.getglion.com/product-warranty.

This Limited Warranty Does Not Cover:

- Normal wear and tear of any Covered Component.
- Consumables or normal wear and tear parts (including without limitation to tires, tubes, brake pads, cables and housing, grips, chain and spokes).
- Any damage or defects to Covered Components resulting from failure to follow instructions in the E-bike owner' s manual, acts of God, accident, misuse, neglect, abuse, commercial use, alterations, modification, improper assembly, installation of parts or accessories not originally intended or compatible with the E-bike as sold, operator error, water damage, extreme riding, stunt riding, or improper follow-up maintenance.
- For the avoidance of doubt, Glion will not be liable and/or responsible for any damage, failure or loss caused by any unauthorized service or use of unauthorized parts.
- The Battery is not warranted from damage resulting from power surges, use of an improper charger, improper maintenance or other such misuse, normal wear or water damage.

Determining whether damage or defect to an E-bike or covered component is protected by this limited warranty shall be in the sole discretion of Glion.

Shipping Damage:

Damage to covered components during shipping is not covered by this Limited Warranty, but Glion will replace such damaged covered components if you:

1. Notify Glion of covered components damaged in the shipping process within thirty (30) days of your receipt of the E-bike;
2. Provide Glion with a dated picture of the damaged covered components;
3. Return all original packaging and paperwork included with the E-bike; and
4. Take note of any immediately recognizable damage on the shipper's Bill of Lading prior to signing off on the shipment.

Shipping damage claims are very time sensitive and it is your responsibility to immediately inspect the E-bike for damage upon receipt.

If you choose to set up your own independent shipping method, such as use of a freight forwarder or other similar service, Glion will not replace any Covered Components damaged during such shipping method.

Credit Card Chargebacks:

If any E-bike purchase becomes subject to a credit card chargeback in any amount, and you are still in possession of the E-bike, then this Limited Warranty shall be invalidated until the credit card chargeback has been resolved.

Claims Process:

Glion will not replace any covered components under this limited warranty without first seeing photos or video of the damaged covered components.

In order to exercise your right to receive a replacement for a Covered Component under this Limited Warranty, you must:

- Contact the Glion Product Support team by email at support@getglion.com or by phone at (855) 500-2640. The Product Support team will initially work with you on the problem with your E-bike to identify potential simple fixes.
- If the Product Support team determines that a Covered Component must be replaced, they will provide you with a set of instructions for returning the defective Covered Component and receiving the replacement.
- After you receive the replacement Covered Component, the Product Support team will also assist in determining how to replace or install the new Covered Component into your E-bike.
- You will be responsible for shipping costs associated with returning a Covered Component, unless Glion agrees in writing to pay for such shipping costs. Replacement Covered Components under this Limited Warranty shall only be shipped to the address of the original purchaser.

THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES AND GLION'S ENTIRE LIABILITY FOR ANY BREACH OF THIS LIMITED WARRANTY. GLION'S LIABILITY SHALL UNDER NO CIRCUMSTANCES EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE E-BIKE, NOR SHALL GLION UNDER ANY CIRCUMSTANCES BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

TO THE EXTENT PERMISSIBLE UNDER APPLICABLE LAW, GLION DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE FOR THE DURATION OF THIS EXPRESS LIMITED WARRANTY.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

LINKS TO INSTRUCTIONAL VIDEOS AND ONLINE RESOURCES

Please visit www.getglion.com to view the latest instructional videos for your E-bike.

Thank you for choosing Glion. Please email support@getglion.com or call 855-500-2640 with any questions or concerns. We are here to help!