

GIN Electric Bikes

PLEASE READ CAREFULLY
BEFORE USING YOUR GIN X
FOR THE FIRST TIME

User Manual

www.ginebikes.com

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WARNING

Read this entire manual before assembling or using your new GIN X electric bike. Do not modify, disassemble, or replace the original electrical components on your bike. Doing so will invalidate your warranty and could put you in danger.

Riding any type of bike comes with some risks which can't be predicted or avoided. Taking proper care of bike components can lower the risk of sudden failure of components but cannot prevent it. These sudden failures could cause serious harm, injury, or death to the rider. If you notice abnormalities in any component on the bike, take it to a licensed mechanic to be repaired or replaced immediately. GIN electric bikes assumes no liability for harm, injury, or death of the rider. This manual is not intended to function as a detailed service manual. GIN electric bikes recommends having your local bike shop mechanic perform a detailed safety check of your e-bike before your first ride. Ensure your local mechanic is experienced and reputable.

The GIN X can withstand most rain showers without sustaining damage. However, the bike and its mechanical and electrical components are not waterproof. We do not recommend storing or using the bike in wet conditions. The warranty for the e-bike does not cover water damage.

SAFETY ALERT!!!

Things to do before your first ride

1. Always check the crank arm screw whether it is tight enough before taking the first ride



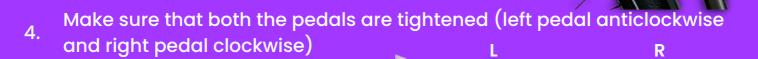
Lock the quick release to the post before riding

2. Always check that tyre quick release is rightly screwed

through and tightened



tightened



Maintaining Your Electric Bike

Best Practices

- Store your bike in a clean dry place to avoid rust
- Keep components tightened to the torque specifications listed in the Recommended Torque Values section of this manual. Refer to the table of contents at the beginning of this manual for the page number of this section
- Ensure the frame latch and handlebar latch are locked in place before riding
- Clean and lubricate moving parts regularly
- Clean your bike frame with a wet rag and low residue cleaner. After cleaning lubricate where necessary
- Ensure your bike tires are always inflated to a pressure within the recommended range printed on the tire sidewalls
- Before each ride ensure all electrical wires are connected
- The GIN X is not waterproof. It is likely that components will not sustain damage in most rain showers, however GIN electric bikes recommends storing and riding the bike in a dry environment. Furthermore, water damage is not covered under warranty
- Your bike will need to be serviced at regular intervals and after the initial wear-in period. See the 100 Mile Tune Up and Ongoing Service sections below.

100 Mile Tune Up

Your bike will need to be serviced after 100 miles or 5 full battery charge cycles, whichever comes first. This is what we call the "wear in period" of the bike. GIN electric bikes recommends having service done at your local bike shop by a certified and reputable bike mechanic. Below is a summary of things to have inspected:

Brakes

Brake cables will stretch during the wear-in period. This may affect braking performance and the brakes may need to be adjusted and tensioned properly.



Shifting

Shifting cables will stretch during the wear-in period. This may affect shifting performance and the derailleur may need to be adjusted.

Ongoing Service

Hardware

All hardware should be torqued to the torque specified in the Recommended Torque Values section of this manual. Refer to the table of contents at the beginning of this manual for the page number of this section. If any hardware has signs of damage take the bike to your local bike shop to have a certified and reputable bike mechanic inspect and replace them if deemed necessary.

You should have your bike maintained at regular service intervals at your local bike shop by a certified and reputable bike mechanic. Below is a general summary of maintenance that should be carried out on a monthly and quarterly basis:

Monthly (or about every 250-500 miles)

- Inflate tires to a pressure within recommended range printed on tire sidewalls
- Lubricate chain such that there is little noise from the drivetrain when in use
- Check that all hardware is tightened to the torque specifications listed in the Recommended Torque Values section of this manual. Refer to the table of contents at the beginning of this manual for the page number of this section
- Check your brake pads for signs of wear. Replace if necessary
- Check your bike's shifting performance. Adjust the derailleur if necessary
- Clean the bike with low residue cleaner and dry completely. Lubricate after cleaning where necessary
- Check spoke tension. Adjust if necessary. The recommended spoke tension can be found in the Recommended Torque Values section of this manual. Refer to the table of contents at the beginning of this manual for the page number of this section.

Quarterly (or about every 750-1500 miles)

- Check all items on the Monthly service list above
- Check tire tread for excessive wear. Replace if necessary
- Go into your local bike shop for a tune-up by a certified and reputable bike mechanic.



Unboxing

Getting Started

Congratulations on your purchase of a new GIN X e-bike!

Your bike comes in the box 85% assembled. The instructions that follow are intended to serve as a guide in unboxing and getting familiar with your new e-bike.

The bike may require adjustments upon being received and unboxed, as shipping can sometimes be bumpy. When doing your first adjustment and inspecting the bike before riding we recommend seeking professional help from a reputable, certified bicycle mechanic.

What's in the box:

- 1. GIN X e-bike
- 2. GIN X e-bike charger
- 3. Battery (usually 40% charged)
- 4. Set of keys
- 5. Toolkit
- 6. Cargo rack (if opted for)
- 7. Pannier bag (if opted for)
- 8. Any accessories (if opted for)

Before removing the packaging material from the bike, remove all items from the box and make sure everything listed above is present. If anything is missing or damaged contact GIN electric bikes immediately for assistance.

Your bike has a one of a kind serial number associated with it. The serial number is located on the head tube of the bike as shown in the photo below:



Please locate the serial number on your bike and write it down on the page below. You may be asked for your bike's serial number as a part of warranty requests. You may also be asked to provide this number to law enforcement in the event that your bike is stolen.

Thank you for your purchase of a GIN X.

We appreciate your purchase and we hope you thoroughly enjoy riding your new e-bike. We can't wait to see images of your biking!

If you need any assistance please do not hesitate to reach out to us.

Contact Information Email: support@ginebikes.com

Website: www.ginebikes.com Phone: +44 74357 18906

Please record your bike's serial number and email us at support@ginebikes.com

The serial number is located on the head tube of your bike.

Serial Number:	

HOW TO UNLOCK THE SPEED ON YOUR GIN X?

To unlock the speed on your GIN X,

STEP 1: press the left brake

STEP 2: press the throttle

STEP 3: press the power switch (M button) to switch ON the bike (display)

..and hold for 8 seconds!

Getting your GIN X road ready!

Step 1: Installing the handlebar

Step 2: Installing your front tyre

Step 3: Inflating the front tyre (to 40 psi air pressure)

Step 4: Installing the front headlight

Step 5: Installing the pedals

Step 6: Installing the seat post

Step 7: Installing the display monitor

Step 8: Installing the battery

Step 9: Installing the rear cargo rack

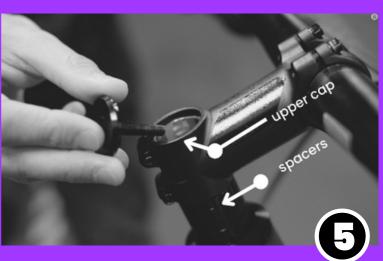
Step 1: Installing the handlebar

1.1 Make sure that you tighten the screws of the cockpit bar. If it comes assembled then please tighten the screws. They might have come loose while shipping

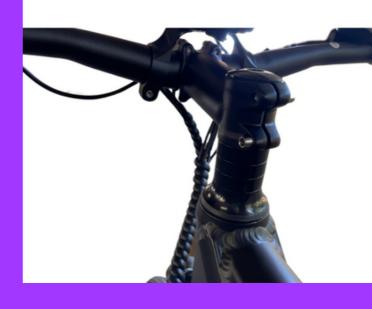


1.2 Tighten the screws surrounding the spacers

1.3 You can remove the spacers if you need to decrease or increase the height of the handle bar



1.4 Your finished handlebar assembly should look like the adjacent image

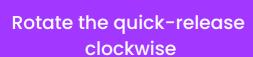


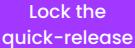


Step 2: Installing your front tyre

2.1 Your GIN X e-bike should have come along with a quick-release for the front tyre

2.2 Remove the suspension fork protector (it is attached to the lower end of the fork so that no damage is caused to the forks while in shipping)







Note: the rear & front brake discs should be aligned on the same side



Step 3: Inflating the front tyre (refer to the rims of tyre)
Step 4: Installing the front headlight

4.1 Mount the headlight on the from fork support bar

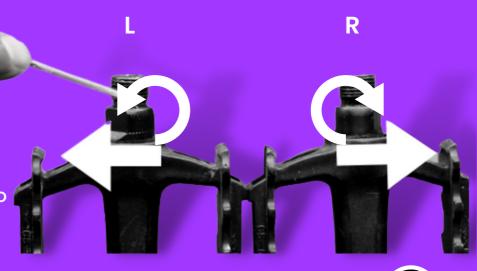


4.2 Ensure that the nut is tightened so that it does not remain loose

Step 5: Installing the pedals

5.1 Please note the pedals' threads are in opposite directions

5.2 While rotating the pedals (while installing) they have to be done in anti-clockwise for left pedal and clockwise for right pedal



Step 6: Installing the seat post

- 6.1 Insert the seat post through the frame
- 6.2 Adjust the height accordingly





6.3 Lock the seat post to the frame using the quick release provided

Step 7: Installing the display monitor

7.1 Your display monitor has two slots for bolts and nuts. These need to be screwed to the handle bar at the center or at your preferred location



7.2 Connect both the sockets together (if you would be riding in heavy rainfall it is better to seal it with a tape to avoid water seeping into the wires)



7.3 nut tog like

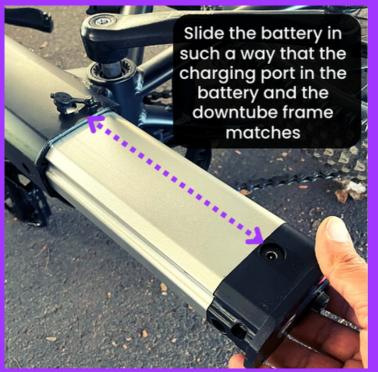
Final installation should look like the image above

7.3 Once you have tightened the bolts and nuts and also attached the two sockets together, the final installed version should like the adjacent image

Step 8: Installing the battery

8.1 Lay down the bike on it's right side so that it rests against the right pedal and the right side of the handlebar. GIN X houses the removable battery in the downtube for extra safety measures





8.2 Battery can be charged on its own by removing it from the downtube or along with the bike. While sliding the battery into the downtube frame, ensure that the charging port in the battery and the charging point in the downtube are in the same line as shown in the adjacent image

8.3 The final installed battery should look like the adjacent image. Ensure that once you have locked the battery with the key, you removed the key and keep it at a safe location. You will only need the key while locking the battery into the frame (you do not need it while riding the GIN X electric bike)



Why is a FUSE present in my battery?

The purpose of the FUSE is to prevent excess current to pass through the battery. It prevents the battery to malfunction while charging with larger amount of current than allowed

IMPORTANT

NEVER CHARGE THE BATTERY OVERNIGHT OR FOR LONGER
THAN 6 HOURS AT A STRETCH

Step 9: Installing the rear cargo rack

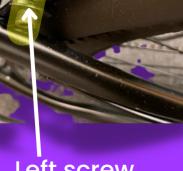
The cargo rack maximum weight limit is 40 Kgs. It gets mounted to the rear end of your GIN X e-bike (just above the rear mudguard)

9.1 There are 4 screws on the 4 steel supporting rods in the cargo rack (1 to 4)





9.2 the U-bracket needs to be attached to the bike frame. Then screw the left and right screw to the sides of the U-bracket



Left screw

Left rear screw



9.3 Make sure that the left rear screw is tightened to the upper hole in the rear frame (not the bottom hole). The same things needs to be done at the right rear side of the bike

\$830 display monitor



Switching ON/OFF the monitor: Press M button for 2 seconds

To enter the programme modes (P1 to P17): Press A and V button at the same time (Press 'M' to switch to the next programme mode)

To access to various settings in your display monitor, you can toggle between several programme modes – P1 to P17. It is important to note that you should not change the settings very often. Changing the setting frequently might mismatch (in case if you accidently change a particular programme mode and save it)

Head light ON: Press for 2 seconds

Walk mode (your bike starts moving by itself): Keep 💟 pressed

Walk mode explained: Your GIN X has walk mode. This means that if you are walking uphill or on a road and want to carry your GIN X along with you, all you have to do is activate the walk mode! You won't have to carry it. It is also very handy when the tyres are flat and you need to take it to a nearby repair shop etc.

During the walk mode, it activates the motor by itself and starts to walk along with you!

Understanding programmes modes

On the next page all programme modes are highlighted. You can set these settings for optimum performance. But remember not to change the data/numbers mentioned with '- *Do not change this* -' in the table below. Changing them will make your warranty null and void.

Programme	Function	Suggested	About this programme mode
P01	Brightness	2	Backlight display brightness. The darkest level is 1, the brightest level is 3
P02	Distance units	1	Distance Units. 0: KM; 1: MILE
P03	Voltage	48	- DO NOT CHANGE THIS -
P04	Display sleep time	3	LCD Display sleep timer. With chosen value as 3, the display will turn off after it has not been used for 3 minutes
P05	PAS levels	0 05	Sets of the number of Pedal Assist System (PAS) levels available
P06	Wheel size	27.5	Sets the wheel size of the bicycle in inches. Correct wheel size is required for accurate speed and odometer function
P07	Motor magnet type	"1" (for 250W) and "6" (for 500W)	- DO NOT CHANGE THIS -
P08	Speed limit	25	The input data here represents the maximum operating speed of the vehicle: for example, input 25 indicates that the maximum operating speed of the vehicle will not exceed 25km/h;
P09	Throttle response	0	0: throttle active from standstill 1: throttle active only when already moving

P10	PAS/Throttle mode	2	0: PAS Active, Throttle Inactive 1: PAS Inactive, Throttle Active 2: Both PAS and Throttle Active
Pll	PAS sensitivity	1	Sensitivity of PAS sensor. When set to higher numbers, it will take more crank rotations for the motor to turn on
P12	PAS strength	5	Strength of PAS mode. When set to higher numbers, the motor will come on stronger. On lower numbers, it will be more gentle
P13	Magnets type	12	- DO NOT CHANGE THIS -
P14	Controller current	12	- DO NOT CHANGE THIS -
P15	NA	39	- DO NOT CHANGE THIS -
P16	Odometer Reset	NA	Hold the up arrow for 5 second to reset the Odometer
P17	NA	0	- DO NOT CHANGE THIS -

NOTE

DO NOT CHANGE THE VALUES MARKED IN **YELLOW** ABOVE VERY IMPORTANT- DOING SO WILL MAKE YOUR BIKE'S WARRANTY NULL & VOID

Speed limitations

You must check your local laws and regulations to determine if it is lawful to ride class 3 e-bikes on public roads before adjusting the bike's top speed. Laws vary by trail, path, and road so be sure to check in each new location you will be riding. Also. If your local laws does not support throttle then please disable it from programme mode P10 by choosing 0 for only pedal assistance mode.

- 1. Access the settings menu by pressing and holding the up and down arrows on the control pad simultaneously until the screen says "P1"
- 2. From here you can cycle through settings by hitting the "m" button on the control pad and adjust the settings by pressing the up or down arrows on the control pad
- 3. Please go to setting "P08" and change this setting (it is in KMPH and not miles). For example UK default speed should be 24.9 KMPH 4. Press and hold the up and down arrows on the control pad until the main screen is shown once again
- 5. Power the bike off by holding the "M" button to save the settings you have just changed

Battery Capacity Display On the top of the LCD display (battery bar). This battery indicator shows the estimated charge level left in the bike's battery. As the battery depletes, tick marks will begin to disappear according to approximately how much charge in the battery has been used. The battery display will flash when there is no charge remaining.

Note: The energy bar will not always be accurate. The energy bar updates every few minutes based on the current voltage of the battery

7 Speed Gear System

Your GIN X comes with a 7 speed Shimano freewheel (Note: the freewheel is the cluster of sprockets on the rear wheel of the bike). This allows the rider to maintain a comfortable level of effort and pedalling speed throughout different terrains. For instance, while pedalling in lowest gear (the largest sprocket), it will be easier to pedal up hills. In the highest gear (the smallest sprocket), the rider will be able to reach higher speeds on flat or downhill terrain. Ist gear is the lowest gear of this drivetrain while 7th gear is the highest gear. Use the thumb shifter on the right handlebar to shift gears up or down. To shift up press the lower button. To shift down push the lever on the top of the shifter. A photo of the shifter can be seen in the photo below:



For best experience, use lower gears like 1 or 2 when climbing uphill (riding at lower speeds) and use higher gears for flat surface (riding at higher speeds)

Taking care of your battery

Keeping Your Battery Healthy

- If you know you won't be using the battery for more than a few days keep it charged at about 75% capacity. At 75%, the battery will degrade less than at higher charge levels
- Periodically check your batteries charge level about once per month and charge back up to 75% if necessary
- If you want to increase the number of cycles your battery will last for, charge your battery to 100% a few hours before you plan to ride it. For example if you ride the bike and the charge level falls to 50% but you plan to use the bike again in a few days, wait until the night before you plan to use it again to charge it up to 100%. When the battery is not in use this is healthier for the individual cells in the long term.

Charging Your Battery

Locate the charging port on the side of the battery. You can charge the battery from this port while the battery is on or off the bike.

The battery on the GIN X e-bike comes with almost 40%-60% charged due to shipping regulations. You should plug your battery in when you first receive it to ensure it is fully charged prior to your first ride

- The battery can be charged while attached or detached from the bike
- You can remove the battery by inserting the key into the lock on the underbelly of the frame. Push the key in firmly and turn counter clockwise (if looking at the bike from below) to unlock. Remove the key from the battery and slide the battery out of the frame until it is free
- To lock the battery, insert the key into the lock on the underbelly of the frame. Turn the key clockwise (if looking at the bike from below)
- Do not charge the battery with chargers other than the charger that comes with GIN X se-bike
- Only charge the battery indoors in dry spaces which are not excessively hot or cold
- Ensure there is no dirt, debris, or flammable items nearby when using the charger.
- The charger will automatically stop charging once the battery reaches its full capacity

- The light on the charger will be red when the battery is charging and will turn green when charging has finished
- Avoid leaving the charger plugged in when the battery is fully charged
- Do not charge the battery if you notice the battery is damaged, excessively hot, leaking, smells, or is discoloured
- Charging the battery should take approximately 4-6 hours if the battery is mostly empty
- Store the battery indoors in a dry space, away from heat or flame sources and out of direct sunlight
- The charger may get hot (>165°F) when charging. Use caution and avoid touching the body of the charger and battery while charging
- Do not charge for over 6 hours at a stretch

ASSEMBLING GIN X



Preparing to Ride

- Ensure all components are properly secured before riding otherwise serious harms or death could occur. All components should be tightened. This includes but is not limited to: pedals, handlebars, handlebar clamp, cranks, seat, and seat post clamp
- Make sure you can't twist the seat or stem out of alignment by hand
- Check to see if your saddle is positioned at the proper height. Sit on the saddle facing forward and place the ball of your foot on the pedal at its lowest point. Your leg should be mostly straight at this point with a slight bend at the knee. You should be able to pedal the bike without overextending your leg when the pedal is at its lowest point. Your legs may be overextended if it causes your hips to move side to side, which means the seat must be lowered. To start, adjust the saddle so your feet can still be placed firmly on the ground
- To adjust your seat up or down, unlatch the seat post clamp. Move the seat to the desired height and close the seat post clamp

Pre-ride Safety Check and Inspection

Before each ride make sure to inspect your e-Bike to ensure there are no loose fasteners or accessories. Make sure to specifically check that both the front and rear axles are secure. Also make sure both the handlebars and the handlebar stem are not loose. Check the tire pressure of both wheels before riding to ensure the tires are inflated to the recommended pressure printed on the side of the tire walls (40psi for GIN X hybrid tyres). Pull the brake levers to make sure your brakes are working properly and adjust if necessary. Ensure both your seat post and handlebar stem are inserted past their minimum insertions points as indicated by the markings on them. Make sure that both the handlebar latch and frame latch are fully closed and locked. Riding in Wet Conditions This electric bicycle can withstand light rain and small splashes, but is not designed to be subjected to inclement weather, heavy showers, or submersion in water. Use caution when riding in wet conditions as it will take longer to use the brakes to slow down, and also when turning as the tires may slip. The electrical components on the bike are not waterproof, and water damage is not covered under warranty.

Riding at Night

Riding at night comes with more risks than riding during the day due to decreased visibility so riders are encouraged to exercise increased caution. Before riding at night make sure that reflectors are installed on your e-Bike. For increased visibility also ensure the front headlight and rear tail light are turned on and adjusted such that other people on the road can see them clearly. Riders should wear bright colored clothing at night.

Maximum Weight

The bike can safely carry a total weight of 290 lbs/131 kgs/21 stone. If the rear rack is attached to the bike the max weight it can hold is 95 lbs/40-45 kgs. Therefore if you have a payload that is 50 lbs, the maximum rider weight is 240lbs. Failure to adhere to these weight limits may invalidate your warranty, cause damage to the bike or rack, or cause serious injury to the rider.

Note that range and top speed will be affected by total weight being carried by the bike.

Tips When Riding To Increase Range

To get the maximum range out of your bike there are some simple things you can do:

- Ride in a lower level of pedal assist
- Use lower assist levels and pedal when climbing hills
- Pedal when starting from a standstill
- Set your max speed lower than 20 mph on the LCD display

Warranty & Disclaimer

Gin electric bikes should be operated in accordance with this GIN electric bikes user manual provided with the bike. this GIN electric bikes warrants to the original registered purchaser that this GIN electric bikes shall be free from all defects in material and workmanship for a period of 24 months from the date of shipment, when used in accordance with the owner's manual and for the purpose intended. All other obligations and conditions or liabilities, including obligations for consequential damages, are hereby excluded. The warranty is non-transferrable and only applies to the original owner. This warranty gives you specific rights and purchasers may also have other rights, which may vary by location. Damage caused by failing to adhere to instructions and warnings issued by GIN electric bikes is not covered under warranty.

Parts covered by the warranty: frame, forks, stem, handlebars, headset, seat post, saddle, brakes (excluding brake pads), lights, bottom bracket, crank set, pedals, rims, wheel hub, freewheel, cassette, derailleur, shifter, motor, throttle, controller, wiring harness, LCD display (excluding damage due to water), kickstand, reflectors, and hardware. The battery warranty does not include damage from power surges, use of 3rd party charger, improper maintenance or other such misuse, normal wear, or water damage (including rust).

Accessories sold on www.ginebikes.com are not covered under warranty (except wherever mentioned).

Stolen bikes are not covered under warranty.

Necessary precautions must be taken to ensure the bike and battery are not exposed to severe weather conditions. Exposure to very wet, hot, or cold conditions may void the warranty.

We will replace any parts deemed to have been damaged during shipping. Shipping damage must be reported to GIN electric bikes within 14 days of shipment arrival. This applies to all products including bikes and accessories.

You will NOT be refunded as compensation for your time or efforts replacing damaged parts.

Replacement parts will not be sent until photographic evidence (or as asked by GIN electric bikes team) has been provided to GIN electric bikes. GIN electric bikes may request additional documentation (such as video) to assist with accurately diagnosing the problem and processing the warranty claim.

Items including the chain, tires, wheels, tubes, battery handle, brake pads, cables and housing, grips, and spokes are considered wear items. These items wear down with normal use and are not covered under warranty. You are responsible for replacing and maintaining these wear items. Any unauthorized alterations or repairs are not covered and may void this warranty.

For warranty services, please contact GIN electric bikes online support by email at support@ginebikes.com. Bikes or parts returned without proper documentation may result in delayed service or denied warranty coverage. Warranty return shipping costs along with duties and taxes are the responsibility of the claimant. All unauthorized returns will be refused. Note that your insurance policies may not provide coverage for accidents involving GIN electric bikes. To determine if coverage is provided, you should contact your insurance company or agent. Damage as a result of an accident is not covered under this warranty, and GIN electric bikes is not responsible for repair or replacement of damaged bikes or parts. GIN electric bikes reserves the right to change its warranty at any time and without notice.

Bike Performance Disclaimer

The bikes listed range and top speed are estimates (not guaranteed) of expected performance. Performance will vary with rider weight, cargo weight, rider /cargo shape (both contribute to drag), terrain, tire pressure, brake adjustment, throttle vs PAS usage, pedal power, battery charge level, ambient temperature and wind conditions. Under certain conditions it is possible to get ranges and top speeds that are different from the listed estimates.

Liability Disclaimer

Riding any kind of bicycle comes with inherent risks and dangers that cannot be predicted or avoided. These dangers could result in a serious accident, injury, or death of the rider. It is the sole responsibility of the rider to become properly educated and prepared to ride safely. Once in possession of the bike, GIN electric bikes strongly encourages and recommends that all customers have a certified and reputable bicycle mechanic complete a full inspection of each component on the bicycle to ensure it is safe for operation GIN electric bikes makes no claims or guarantees that the brakes, battery, frame, motor, motor controller, LCD display, electrical cables, electrical cable housings, fasteners, grips, fork, stem, shifters,

The higher motor version (over 250 Watts) must be ridden as per legal terms of DVLA in the UK or likewise in other countries). Please find more details at: https://www.gov.uk/electric-bike-rules

headset, seatpost, seatpost clamp, handlebar stem clamp, saddle, wheel hubs, handlebars, spokes, rims, tires, tubes, derailleur, freewheel, cassette, throttle, kickstand, lights, reflectors, hardware, bottom bracket, or any other part or accessory, will be properly secured and adjusted upon arrival. Before every ride fully inspect your bicycle to ensure everything is secured and adjusted properly. Under no circumstances is GIN electric bikes responsible for any damage resulting from damaged, defective, or improperly secured parts. This includes, but is not limited to, damage to personal property, personal injury, or death.