ELECTRIC BICYCLEINSTRUCTION NANUA



Version V8

⚠ **ATTENTION:** DEAR USERS, ACCORDING TO THE RELEVANT NATIONAL REGULATIONS,PLEASE DO NOT USE ELECTRIC BICYCLES BEFORE CAREFULLY READING THE INSTRUCTIONS AND UNDERSTANDING THE PERFORMANCE OF ELECTRIC BICYCLES. AND PLEASE CAREFULLY KEEP THIS MANUAL AND THE PRODUCT CERTIFICATE OF THE VEHICLE.

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IMPOR TANT SAFETY IN FORMA TION

WARNING:

Electric bikes can be dangerous to use. The user or consumer assumes all risk of personal injuries, damage, or failure of the bicycle or system and all other losses or damages to themselves and others and to any property arising as a result of using the bicycle. It is important for you to understand your new bicycle. By reading this manual before you go out on your first ride, you'll know how to get better performance, comfort, and enjoyment from your new bicycle. It is also important that your first ride on your new bicycle is taken in a controlled environment, away from cars, obstacles, and other cyclists.



1. Always Wear A Helmet

Helmets significantly reduce the rate of head injuries.Always wear a helmet that complies with your state laws when riding the E-bike .Check with your local police department for requirements in your community.Make yourself more visible by wearing bright reflective clothing. Keep your reflectors clean and eye protection Also check your state laws concerning other protective gear that may be required when riding fhe E-bike.

2. Know Your E-bike

Your new E-bike incoiporates many features and functions that have never been built into a bicycle before. Read this manual thoroughly to understand how those features enhance your riding pleasure and safety.

3. Ride Within Your Limits

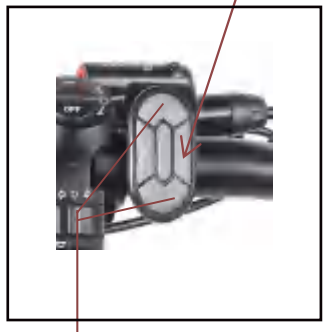
Take it slow until you are miliar with the riding conditions that you encounter. Be especially careful in wet conditions as traction can be greatly reduced and brakes becoming less effective.Never ride faster than conditions warrant or beyond your riding abilities.Remember that alcohol,drugs, fatigue and inattention can significantly reduce your ability to make good judgement and safely.

4. Keep Your E-bike In Safe Condition

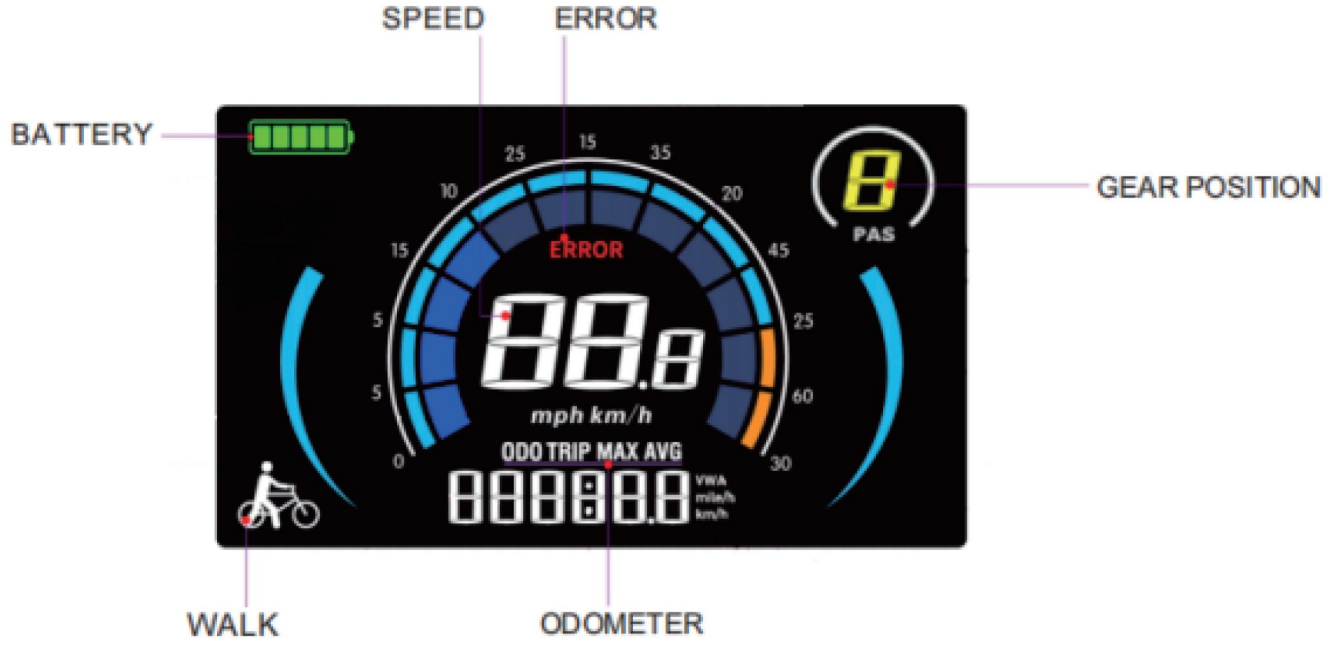
For your safety and enjoyment,and to insure a long life for your E-bike. Inspect and maintain your E-bike regularly.Follow the inspection and maintenance guidelines beginning on page 3. Check critical safety equipment before each and every ride.

PARTS IDENTIFICATION









Icon	Explain
Battery	The battery has a total of ten cells, and when the battery decays to one celland fiashes, it runs out of battery andneeds to be charged
Error	The error icon lights up when there are errors in the vehicle and does not lightupwhen there are no errors
Speed	Real time display of current speed
Walk	When this icon lights up, it indicates that it is currently in pedestrian cartmode and themaximum speed does not exceed 6km/h
Gear position	On the current interface,press the  key to increase the gear position, and press the  key to decrease the gear position
Odometer	Total mileage, press  to switch between single mileage,voltage,and current

CONFIGURATION TABLE

Item Name	Product specification
Bike Size	164*68*115(CM)
Packing Size	138*28.5*88(CM)
Color	Black
Frame Material	Steel
Net weight	Approx.36.35kg(80.14lb)
Gross Weight	Approx.47kg(103.6lb)
Max support Weight	150kg(330.7lb)
Max Speed	32KM/H(pls contact with seller if you have questions)
Inner Tire Pressure	≤30PSI
Model No.	V8
Charger	AC-DC 54.6V 2A 100-240V AC DC5.5X2.1
Model LBC053546020, made by SHENZHEN ATNEN TECHNOLOGY CO LTD	
Battery	48V15.6AH
Brake System	Front and back brake
Tire Size	20x4.0
Pedal	Aluminum alloy pedal
Power	500W

OPERATING INSTRUCTIONS

Notice:Before every riding,and after every 25-45 miles,we advise following the pre-riding safety checklist in the table below.

Safety Check	Basic Steps
1. Brakes	♦ Ensure front and rear brakes work properly ♦ Check brake pads for wear and ensure they are not over-worn ♦ Ensure brake pads are correctly positioned in relation to the rims ♦ Ensure brake control cables are lubricated,correctly adjusted,and display no obvious wear. ♦ Ensure brake control severs are lubricated and tightly secured to the handlebars ♦ Test brake levers are firm and that brake,motor cutoff functions,and brake light are functioning properly
2. Wheels and Tires	♦ Ensure tires are inflated to within the recommended limits displayed on the tire sidewalls and holding 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 skewer is correctly tension, fully closed,and secure position.
3. Steering	♦ Ensure handlebar and stem are correctly adjusted and tightened and allow proper steering ♦ Ensure the handlebar is set correctly in relation to the forks and the direction of travel
4. Chain	♦ Ensure the chain is oiled,clean,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. Derailleurs	♦ Check that the derailleur is adjusted and functioning properly ♦ Ensure shifter and brake levers are attached to the handlebar securely ♦ Ensure all brake and shift 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 arms 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 check to see that it is secured ♦ Charge and store bike and battery in a dry location,between 50*F-77*F ♦ Let bike dry completely for using again
11. Electrical Cables	♦ Look over connectors to make sure they are fully seated,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 helmet and other required riding safety gear ♦ Ensure mounting hardware is properly secured if fitted with rear rack ♦ Ensure 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

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

INSTALLATION INSTRUCTIONS

The following assembly steps are only a general guide to assist in the assembly of your bike from electric bikes and is not a complete or comprehensive manual of all aspects of assembly, maintenance, and repair.

We recommend you consult a certified, reputable bike mechanic to assist in the assembly, repair, and maintenance of your bike.

Step 1: Unpack e-bike from the carton and carefully take out all contents of the box. Remove packaging material protecting the bike frame and components.

Please recycle packaging materials especially cardboard and foam (all #6 EPS foam).

Ensure all pieces are included in the package including:

- V8 Fat bike
- Manual(s)
- Assembly Tool kit
- Front fender
- Front Wheel
- Handlebar
- Handlebar holder
- Charger
- Pedals (marked left and right)
- Battery Keys (two, identical with number)

GUIDE TO VEHICLE INSTALLATION



1. Check whether the outer carton is complete and unpack it.



2. Take out the bicycle frame.



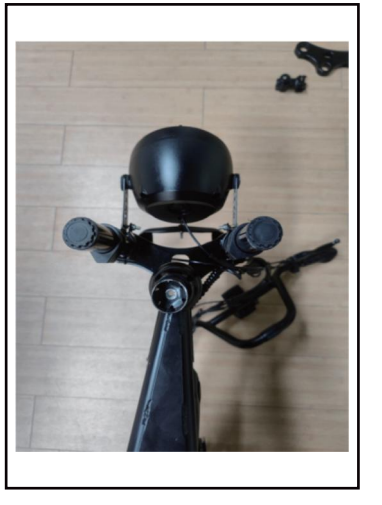
3. Take out the accessories and tool kit



4. Use the M5 Allen wrench to unscrew the screw.



5. Unscrew the screw and remove the trim cover.



6. Pull out a fixed shelf.



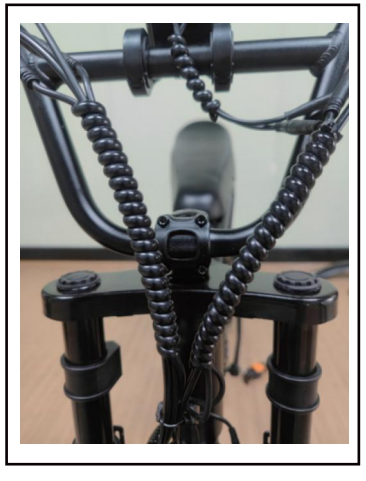
7. Put the steering in front.



8. Install retainer and top cover and tighten all screws.



9. Loosen the screws and remove the lid.



10. Install the front and tighten all the screws.



11. Take out the wheels and accessories.



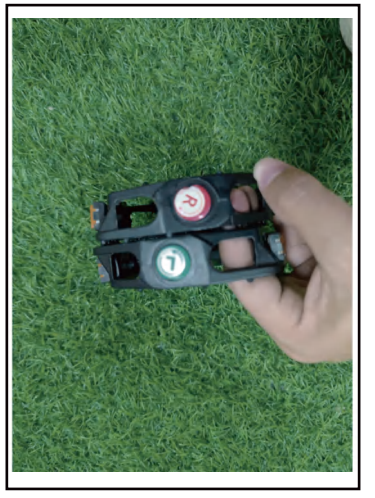
12. Install the wheels and pay attention to the order of the accessories



13. Tighten the screws on both sides.



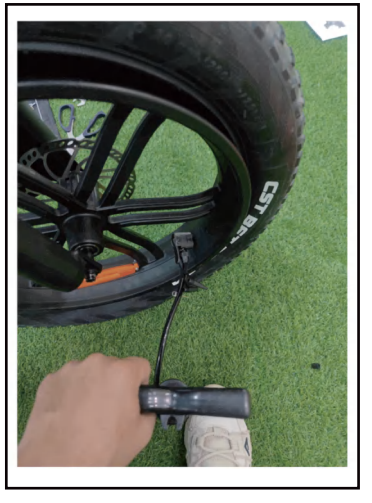
14. Install the fender and tighten all the screws.



15. R for Right Pedal and L for Left Pedal.



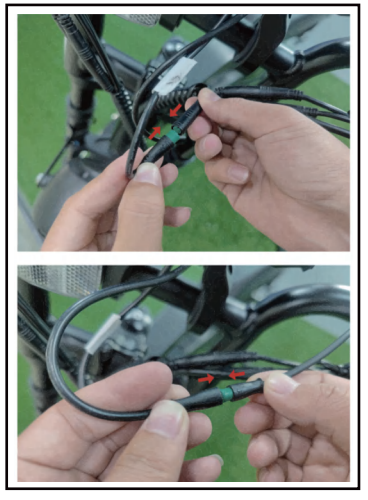
16. Install the pedal and tighten the screw.



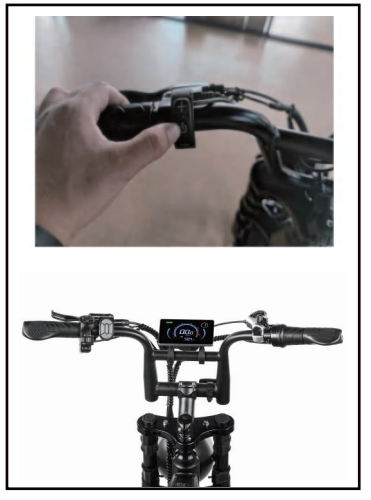
17. Fill the tires with air.



18. Install the dashboard and tighten all screws.



19. Connect the ports of cables according to the direction of arrow.



20. Press power button for 3 seconds around to turn it on.

Note: It is suggested to check other screws in the frame. If they are loose, you need to tighten them with tools.

GEAR OPERATION



Multi speed bicycles can have internal or derailleur gear systems. WARNING: Improp -er shifting can result in the chain jamming,or becoming derailed resulting in loss of control or a crash. Always be sure the chain is fully engaged in the desired gear before pedaling hard.

Avoid shifting while standing up on the pedals or under load.

To shift properly,pedal the bicycle with little pressure on the pedals, and move the shifter (1) gear at a time,ensuring that the chain is fully engaged in that gear before applying more pressure on the pedals. For bicycles with 3 front chain rings;avoid "Cross Chaining",which is the position when the chain is in the smallest cog in the rear combined with the inner or smallest chain ring in the front or the largest cog in the rear and the outer or largest chain ring in the front.These gear positions put the chain at the most extreme angle and can cause premature wear to the drive train.Bicycles with 3 front chain rings have enough gear "overlaps" that these gears are not needed.

CHARGING PROCEDURE

1. Remove the rubber cover on the charging port on the opposite side of the battery from the key switch.
2. With the battery on or off the bike, place the charger in a flat, secure place, and connect the DC output plug from the charger (round barrel connector) to the charging port on the side of the battery.
3. Plug the charger into the outlet, then the charging port. Connect the charger input plug (100-240-volt plug) to the power outlet. Charging should initiate and will be indicated by the LED charge status light on the charger turning red.
4. Unplug the charger from the outlet, then the charging port. Once fully charged indicated by the charging indicator light turning green, unplug the charger from the wall outlet first and proceed to remove the charger.





Attention:

Before charging make sure that charger light faces upwards; Full charge normally takes 3-7 hours; Charge battery in clean and safe place and do not over charge.



Red light means the battery is charging.



Green light means the battery is full charged.

BATTERY CHARGING INFORMATION

Always charge your battery in temperatures between 50 °F - 77 °F (10 °C - 25 °C) and ensure the battery and charger are not damaged before initiating charge. If you notice anything unusual while charging, please discontinue charging and use of the bike and contact for help. Charging the battery fully normally takes 3-7 hours. In rare cases, it may take longer to allow the battery management system to balance the battery, particularly when the bike is new or after long periods of storage.

The battery can be recharged on or off the bike.

Do not charge the battery for more than 12 hours at a time or leave a charging battery unattended.
Ensure the lights face upwards when using the charger. The charge indicator lights on the charger will stay red while the battery charges and one will turn green when charge is complete.

Always charge in dry, indoor locations away from direct sunlight, dirt, or debris. Charge in a clear area away from potential to trip on the charging cords or for damage to occur to the bike, battery, or charging equipment while parked and/or charging. Do not use with the charger inverted, which can inhibit cooling and reduce charger lifespan.
The battery should be recharged after each use, so it is ready to go the full range per charge next ride. There is no memory effect, so charging the battery after short rides will not cause damage.
Ensure the battery is turned off whenever it is being removed or off the bike. Avoid damaging the exposed connector terminals and keep them clear of debris.

Do not touch the "+" and terminal contacts on the bottom of the battery when the battery is removed from the bike.

MOVING AND STORAGE INSTRUCTIONS

1. Batteries should be loaded and unloaded carefully, rough loading and unloading may lead to damage to the battery base.

2. In hot weather, attention should be paid to the protection of lithium batteries, to avoid them being exposed to direct sunlight, placed in hot weather for too long.

3. In summer with high humidity and rainy days, avoid the battery being wet or in direct contact with water, the battery will be drenched, the insulation resistance will be reduced, self-discharge and rust may occur.

4. Batteries are not used for a short period of time (e.g., within 6 months), the battery is charged state, the battery will be stored in a dry, non-corrosive gases, temperature and humidity between -20 ° C ~ 35 ° C 65 ± 20% of the place, higher or lower than this temperature and humidity will make the battery metal parts rust or battery leakage.

MAINTENANCE

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

1. Properly maintain batteries by keeping them fully charged when between uses of up to two weeks apart. See Long-Term Battery Storage section of manual for information on storing the battery for longer than two weeks between rides.
2. Never immerse or submerge the bike or any components in water or liquid as the electrical system may be damaged.
3. Periodically check wiring and connectors to ensure there is no damage and the connectors are secure.
4. To clean, wipe the frame with a 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.
5. Store under shelter; avoid leaving the bike in the rain or exposed to corrosive materials. If exposed to rain, dry your bike afterwards and apply anti-rust treatment to chain and other unpainted steel surfaces.
6. Riding on the beach or in coastal areas exposes your bike to salt, which is very corrosive. Wipe down your bike frequently and wipe or spray all unpainted parts with anti-rust treatment. Damage from corrosion is not covered under warranty so special care should be given to extend the life of your bike when used in coastal areas or areas with salty air or water.
7. 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.
8. If the paint has become scratched or chipped in the metal, use touch up paint to prevent rust. Clear nail polish can also be used as a preventative measure.
9. Regularly clean and lubricate all moving parts, tighten components, and adjust as required.

TROUBLESHOOTING

	Symptoms	Possible Causes	Most Common Solutions
1	It doesn't work	1. Insufficient battery power 2. Faulty connections 3. Battery not fully seated in tray 4. Improper turn on sequence 5. Brakes are applied	1. Charge the battery 2. Clean and repair connectors 3. Install battery correctly 4. Turn on bike with proper sequence 5. Disengage brakes
2	Irregular acceleration and/ or reduced top speed	1. Insufficient battery power 2. Loose or damaged throttle	1. Charge or replace battery 2. Replace throttle
3	When powered on, the motor does not respond	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 or damaged) Brakes rubbing	1. Adjust tire pressure 2. Check connections or charge battery 3. Assist with pedals or adjust route 4. Replace the battery 5. Adjust the brakes

INSTRUCTIONS PERTAINING TO RISK OF FIRE or ELECTRIC SHOCK
IMPORTANT SAFETY INSTRUCTIONS

WARNING:

When using this product, basic precautions should always be followed, including the following:
a) Read all the instructions before using the product.
b) To reduce the risk of injury, close supervision is necessary when the product is used near children
c) Do not put fingers or hands into the product.
d) Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any othel signs of damage.
This equipment is not intended to be used at ambient temperatures less than ___-10___°C (___14__°F) or above ambient temperatures of ___45__°C (___113__°F).
The battery is intended to be charged when the ambient temperature is between ___0__°C (___32__°F) and __40___°C (___104___°F). Never charge the battery when ambient temperatures are outside this range.
e) Do not modify or attempt to repair the e-bike system.
f) Only use the charger recommended by the manufacturer to charge the e-bike.

SAVE THESE INSTRUCTIONS

5	The battery won't charge	1. Charger not well connected 2. Charger damaged 3. Battery damaged 4. Wiring damaged	1. Adjust the connections 2. Repair or replace
6	Wheel or motor makes strange noises	1. Damaged motor bearings 2. Damaged wheel spokes or rim 3. Damaged motor wiring	1. Replace 2. Repair or replace 3. Repair or replace motor
7	Sensor Issue	1. Sensor loose 2. Sensor or cable broken damaged	1. Adjust the connections 2. Repair or Replace
8	Pre-load and turn off bike suddenly	1. Battery or motor over heat protection 2. Battery or controller cable loose 3. Battery or controller cable damaged	1 . wait 1-3 minutes to restart e-bike 2. Adjust the connections 3. Repair or Replace

SAFETY NOTES

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

All user must read and understand this manual before their first use of the bike from E-bikes .Additional manuals for components used on the bike may also be provided and should be read before use in addition to this manual.

Ensure that you comprehend all instruction 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 using this product 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 and tightening is performed on your bike before first using it and check the setup,tightening,and condition 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,Electric bike racks or accessories that E-bikes has not tested for safety and compatibility and have verified as safe and compatible with the bike.Contact E-bikes 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 if off-road E-bike riding is allowed. Engaging in extreme riding is extremely dangerous and should be avoided.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 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 perform and confirm proper installation,compatibility,proper operation,or maintenance of any component or accessory can result in serious injury or death.

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