GOTRAX

RANGER16

ELECTRIC BIKE

USER MANUAL

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Congratulations on your purchase!

This user manual will help you assemble and operate your new electric bicycle. Be sure to read **ALL OF THE INFORMATION** in this manual before riding.

NOTE TO ALL RIDERS UNDER THE AGE OF 18:
It's very important that you get parental permission before riding your electric bicycle.

TOOLS INCLUDED: 3mm,4mm, 5mm, 6mm Allen wrench,8 &10,13 &15 mm open-end wrench, flat head & Phillips dual-purpose screwdriver.

Don't Ride Until You Read This:

ALWAYS wear a helmet when riding your electric bike.

Make sure your electric bike has a **full battery** before taking it out to ride.

Always be aware of local road laws, and follow them.

Do not ride the bike under the influence of drugs or alcohol.

Always respect pedestrians.

Do not ride under wet conditions. The electric bike may slide from under your feet, causing injury. Wet conditions may damage the electronics and void the warranty.

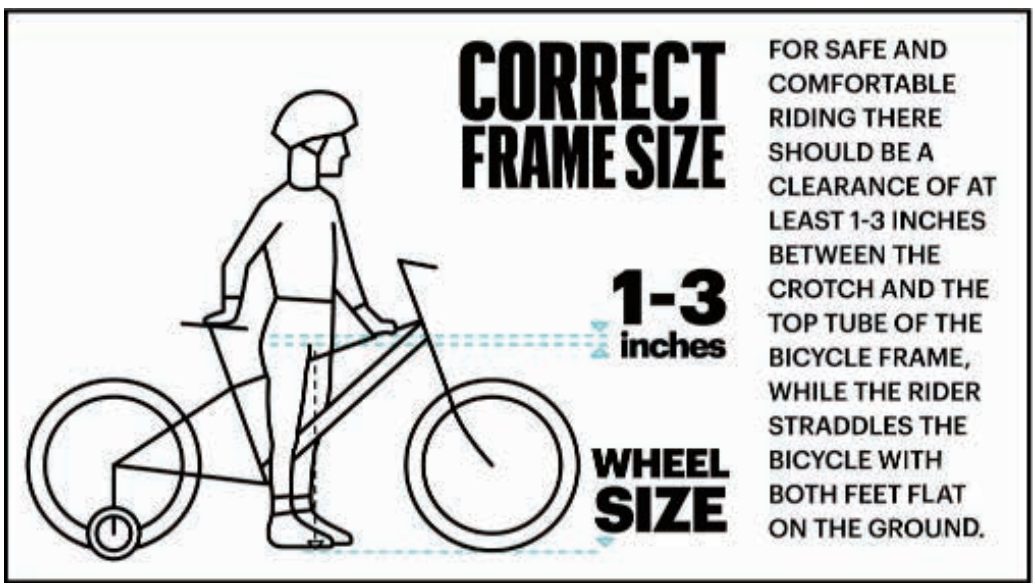
To conserve electricity, use assist mode and avoid zero starting, frequent braking, driving against the wind, carrying heavy loads (including other people), and riding with insufficient air pressure.

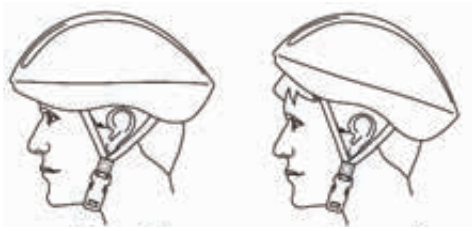
WARNING: Lithium-ion Batteries and/or products that contain Lithium-ion Batteries can expose you to chemicals including cobalt lithium nickel oxide, and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

Warning Message

1. **Avoid water -** The electric bike is not waterproof. The electronics may be damaged due to water, and water damage is not covered by our warranty. Riding in wet conditions is also very dangerous and may result in injury.
2. **Avoid prolonged exposure** to sun or rain and avoid storage in places with high temperatures or corrosive gas.
3. **Abuse -** We do not cover physical damage due to negligent care and extreme riding.
4. **Whenever you ride** the **GOTRAX** Electric Bike ,you risk severe injury or even death from loss of control, collisions, and falls. Use caution and ride at your own risk.
5. **Do not modify** the product from the manufacturers original design.
6. **Do not exceed** the posted speed limit and obey all traffic laws.
7. **Avoid touching** the charging port directly and do not let it make contact with a metal object.
8. **Keep hands and all body parts away** from moving parts while operating the electric bike.
9. **Before riding -** be sure to check the electric bike over and make sure that all components and functions are operating correctly before each use.
10. **Before riding -** be sure to check that the braking system is functioning properly; also, be sure to check that all safety labels are in place and that you understand the safety warnings.
11. **Before riding -** be sure that any and all axle guards, chain guards, or other covers or guards supplied by the manufacturer are in place and in serviceable condition.
12. **Before riding -** be sure to check that the tires are in good condition, inflated properly, and have sufficent tread remaining.
13. **Never exceed** the 165lbs (75 kg) maximum load rating.

14. **The electric bike should never** be used by children under the age of 13.
15. **Maximum Speed -** Your electric bike reaches a maximum speed of 20 mph(32 km/h).
16. **Make note that additional insurance may be required** to cover situations you encounter while riding an electric bike. It is recommended that you contact an insurance company or broker for advice and consultation.
17. **To conserve electricity,** use assist mode and avoid zero starting, frequent braking, driving against the wind, carrying heavy loads including other people and riding with insufficient air pressure.
18. **Warning** about the danger of damaging the stem to fork assembly and the risk ofinjury to the rider that can result from overtightening the stem bolt or the otherclamping device.





Correct
Forehead covered

Incorrect
Forehead exposed

ALWAYS WEAR A HELMETIT COULD SAVE YOUR LIFE!

A properly fitting, CPSC approved， bicycle helmet should be worn at all times when riding your bicycle. In addition, if you are carrying a passenger (only use an approved child safety seat), and remember, the passenger must also be wearing a helmet.

The correct helmet should:
-be comfortable
-be lightweight
-have good ventilation
-fit correnctly
-cover the forehead
-be securely fastened on the rider.

FCC REGULATIONS This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

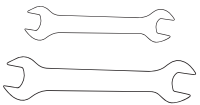
Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the

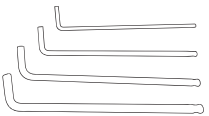
following measures:
*Reorient or relocate the receiving antenna.
*Increase the separation between the equipment and receiver.
*Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
*Consult the dealer or an experienced radio/TV technician for help.

Unpacking and Product Specs

Remove all packaging material, then inspect each item for any accidental damage that may have occurred during shipping. You should find each of the following items in your bag:

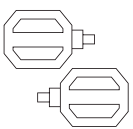


Large wrench



Allen wrenches

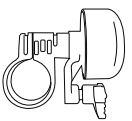
Screwdriver



Pedal

Battery Charger

Battery Keys



Small Bell

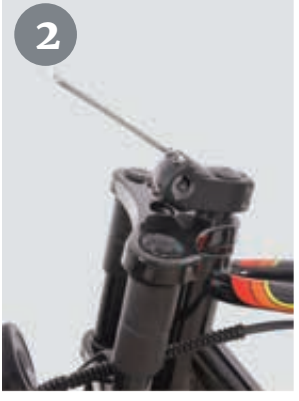
ITEM	SPECIFICATIONS
Model	Ranger16
Unfolded Dimensions	1370*630*1020mm（53.94*24.80*40.16inch）
Package Dimensions	1160*310*730mm（45.67*12.20*28.74inch）
Max Load	75kg（165lbs）
Max Speed	32km/h（20mph）
Battery	36V 7.8Ah
Battery Specifications	Input 100-240V 50/60Hz AC Plug: Output 42Vdc 1.5A
Max Angle of Climb	10 degrees
Charging Time	5 hours
Tire Pressure	175-310Kpa/25-45psi
Seat	Unadjustable
IP Level	IPX4
Bell&Horn Specifications	Bell

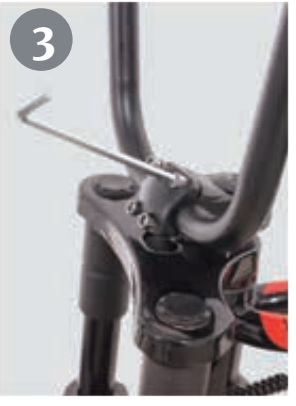
Get To Know Your E-Bike

Remove all packaging and take out the included accessories and tools

Handlebar Installation

Use the Allen key to slightly loosen the bolt on the stem. Rotate the stem so the handlebar clamp faces forward

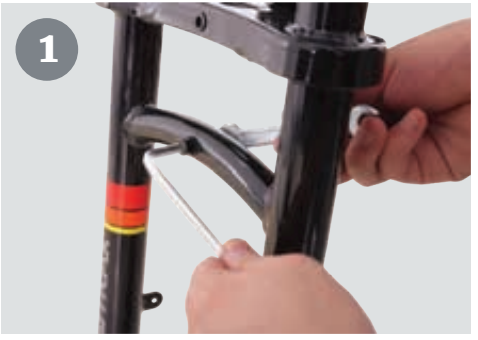




Use the Allen key to remove the four screws from the handlebar clamp plate on the stem

Place the handlebar into the mounting slot on the stem. Reposition the clamp plate, reinstall the four screws, and ensure the handlebar is centered. Finally, tighten all six screws on the stem securely.

Install front fender and front light



Use a hex wrench and an open-end wrench to remove the front fork linkage rod and the fixing screws on both sides of the fork legs in order.

Find the front light and front fender assembly in the accessory kit, then use the pre-installed screws removed from the frame in the previous step to attach and secure them to the front fork.

After installation, plug the front light connector into the reserved port on the main wiring harness.

Install front wheel

Remove the plastic protector from the disc brake and the horizontal support bar on the front fork (it is recommended to keep the removed parts for future reuse when taking off the front wheel).

Align the front wheel's disc brake rotor with the gap in the front fork's disc brake caliper, and insert the front axle into the fork dropouts.

Before tightening the front wheel nuts, insert the torque plates on the front axle into the locating holes on both sides of the fork dropouts. Finally, tighten the nuts on both sides to secure the wheel.

Installing Pedals

Please check the L and R marks.

Take the wrench from the tool box.
Wrench Opening Width 15mm.

L logo on the left, counterclockwise to install.

R logo on the right side, clockwise to install.

Battery Removal

With one hand, turn the key clockwise and hold it in position

With your other hand, support the bottom of the battery and push it forward. Caution: The battery may release suddenly

After removing the battery, inspect the battery connector for any dirt or damage

Battery Installation

Before installation, inspect the battery connector for any dirt or damage

First, insert the bottom of the battery into the battery base. Then, slide the battery horizontally into the rails of the mounting bracket. The latches on the bracket and the battery will initially be offset. Press down firmly on the top of the battery until the rails fully engage. A distinct "click" sound confirms the battery is properly installed. Remove the key

BRAKE OPERATION

DISC BRAKES

1. Always make sure the brakes are working correctly before you ride the bicycle.Shift to a harder gear: Press the smaller trigger.
2. Allow brake components to cool before attempting to adjust the brakes.
The calipers and rotor will become hot when the brakes are operated. Do not touch themwhile riding or immediately after dismounting from the bicycle. You may get burned.
3. If noise occurs when brakes are operated, it may indicate that the brake pads have worn down to their usage limit. After checking that brake system has cooled down sufficiently, check the brake pad thickness (0,5mm minimum thickness required).Replace brake pads if necessary.
4.Be careful not to allow any oil or grease to get onto rotor or brake pads.
5.Check the brake cable for rust and fraying. Replace cable immediately if such problemsare found. If this is not done,the brakes may not work correctly.
6.WET WEATHER WARNING: Required braking distance will be longer during wet weather.Reduce your speed and apply the brakes early and gently. If road surface is wet, tires will skidmore easily.If the tires skid,you may lose control of the bicycle.

CAUTION: Disc brakes have a burn-in period, and the braking force will gradually increase at the burn-in period progresses. Make sure that you are aware of any such increase in braking force when using the brakes during the burn-in period. The same thing will happen when the brake pads or rotor are replaced.

Brake is correctly adjusted when:

- The brake pads do not drag on the rotor when the brake is open.
- When the brake is applied, the brake pads contact the rim before the brake lever reaches 1/3 of the way to the handlebar.

WARNING !
DISC GETS HOT! SEVERE INJURY COULD REULT FROM CONTACT WITHT THE HOT DISC. ALLOW DISC TO COOL COMPLETELY BEFORE TOUCHING.

BRAKE ADJUSTMENT (CENTRING THE BRAKE)

First determine if the wheel is centered.Look at the space between the tire and the frame on either side. If it is not even, loosen the wheel axle nuts and center the wheel, then proceed to center the brake.

If the brake is not centered, look at the disc brake caliper for centering adjustment screws at the center of the brake pad on either side. Looking down into the brake where the brake pads contact the disc rotor determine which side needs to move away or towards the disc.Turn the centering adjustment screws so that there is about 1 /32 of an inch of clearance on either side of the disc rotor. Spin the front wheel and listen for any rubbing noise or excess friction. Repeat the steps until the brake is centered..

Brake is correctly adjusted when:

- The brake pads do not drag on the rotor when the brake is open.
- When the brake is applied, the brake pads contact the rim before the brake lever reaches about1 /3 of the way to the handlebars

Tire Inflation Instructions

Tires and Tubes

After assembling your bike, it will be necessary to inflate the tires. Check the sidewall of the tire for the correct tire pressure (PSI) and inflate tires accordingly with a MANUAL BICYCLE PUMP. **Improper inflation is the biggest cause of tire failure. Due to the slightly porous nature of bicycle inner tubes, it is normal for your e-bike tires to lose pressure over time. For this reason it is critically important to maintain the proper tire inflation on your bike.**

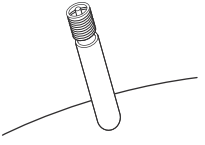
1. Your bicycle has been equipped with tires which the bike's manufacturer felt were the best balance of performance and value for the use for which the bike was intended. The tire size and pressure rating are marked on the sidewall of the tire. CAUTION: Pencil type automtive tire gauges and gas station air hose pressure settings can be inaccutate and should not be relied upon for consistent, accurate pressure readings. Instead, use a high quality dial gauge.

WARNING: NEVER INFLATE A TIRE BEYOND THE MAXIMUM PRESSURE MARKED ON THE TIRE'S SIDEWALL. EXCEEDING THE RECOMMENDED MAXIMUM PRESSURE MAY BLOW THE TIRE OFF THE RIM, WHICH COULD CAUSE DAMAGE TO THE BIKE AND INJURY TO THE RIDER AND OTHERS. THE BEST WAY TO INFLATE A BICYCLE TIRE TO THE CORRECT PRESSURE IS WITH A BICYCLE PUMP. NEVER USE A SERVICE STATION AIR HOSE TO INFLATE A BICYCLE TIRE. IT IS DESIGNED FOR LARGER TIRES AND IT CAN EXCEED THE RECOMMENDED MAXIMUM PRESSURE AND IT MAY BLOW THE TIRE OFF THE RIM.

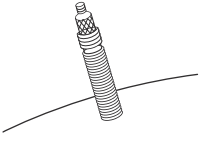
Tire pressure is given either as maximum pressure or as a pressure range. How a tire performs under different terrain or weather conditions depends largely on tire pressure. Inflation the tire to near its maximum recommended pressure gives the lowest rolling resistance; but also produces the harshest ride. High pressures work best on smooth, dry pavement. Very low pressuures, at the bottom of the recom-mmended pressure range, give the best performance on smooth, slick terrain such as hard-packed clay, and on deep, loose surfaces such as deep, dry sand. Tire pressure that is too low for your weight and the riding conditions can cause a puncture of the tube by allowing the tire to deform suffciently to pinch the inner tube between the rim and the riding surface.

Some special high-performance tires have unidirectional treads: their tread pattern is designed to work better in one direction than in the other. The sidewall marking of a unidirectional tire will have an arrow showing the correct rotation direction. If your bike has unidirectional tires, be sure that they are mounted to rotate in the correct direction.

2. The tire valve allows air to enter the tire's inner tube under pressure, but doesn't let it back out unless you want it to. There are primarily two kinds of bicycle tube valves: The Schraeder Valve and the Presta Valve. The bicycle pump you use must have the fitting appropriate to the valve stems on your bicycle. The Schraeder is like the valve on a car tire, this is the type of valve stem you should have on your bike. To inflate a Schraeder valve tube, remove the valve cap and push the air hose on you bike. To inflate a Schraeder valve tube, remove the valve cap and push the air hose or pump fitting onto the end of the valve stem. To let air out of a Schraeder valve, depress the pin on the end of the valve stem with the end of a key or other appropriate object.



Schraeder Valve



Presta Valve

Maintenance & Repair

Correct routine maintenance of your new bike will ensure a longer life for your bike and a safer ride for you.
Every time you ride your bike, its condition changes. The more you ride, the more frequently maintenance will be required. We recommend you spend a little time on regular maintenance tasks. The following schedules will assist you in knowing what tasks need to be performed and how often. **If you have any doubts about your abilities to accomplish these tasks, we recommend you task youe bike to a professional bicycle mechanic periodically to have them done.**

WARNING: Failure to conduct maintenance on the bicycle may result in malfunction of a critical part and serious injury or death. Proper maintenance is critical to the performance and safe operation of the bicycle.

The recommended intervals and need for lubrication and maintenance may vary depending on conditions the bicycle is exposed to, Always inspect the bicycle and conduct necessary maintenance before each use of the bicycle.

This section presents important information on maintenance and will assist you in determining the proper course of action to take if you do have a problem with the operation of the bicycle. If you have questions regarding maintenance please call our customer service, toll free,at 1-844-446-8729 or see a qualified bicycle mechanic. Do not call the store where the bicycle was purchased.

Correct routine maintenance of your new bike will ensure:
- Smooth running
- Longer lasting components
- Safer riding
- Lower running costs

BASIC MAINTENANCE

The following procedures will help you maintain your bicycle for years of enjoyable riding.For painted frames, dust the surface and remove any loose dirt with a dry cloth. To clean, wipe with a damp cloth soaked in a mild detergent mixture, Dry with a cloth and polish with car or furniture wax, Use soap and water to clean plastic parts and rubber tires. Chrome plated bikes should be wiped over with a rust preventative fluid.

Store your bicycle under shelter. Avoid leaving it in the rain or exposed to corrosive materials.

Riding on the beach or in coastal areas exposes your bicycle to salt which is very corrosive. Wash your bicycle frequently and wipe or spray all unpainted parts with an anti-rust treatment. Make sure wheel rims are dry so braking performance is not affected. After rain, dry your bicycle and apply anti-rust treatment. If the hub and bottom bracket bearings of your bicycle have been submerged in water, they should be taken out and re-greased. This will prevent accelerated bearing deterioration.

If paint has become scratched or chipped to the metal, use touch up paint to prevent rust. Clear nail polish can also be used as a preventative measure.

Regularly clean and lubricate all moving parts, tighten components and make adjustments as required.

LUBRICATION SCHEDULE

Weekly		
Component	**Lubricant**	**Method**
Chains	Chain lube or light oil	Brush on or squirt
Brake calipers	Oil	Three drops from oil can
Brake levers	Oil	Two drops from oil can
Freewheel	Oil	Two drops from oil can
Derailleur Systems	Light oil or grease	All pivot points should be lubricated (more often in severely rainy or muddly conditions). wipe off any excess oil.
Brake cables	Lithium based grease	Remove cable from casing. Grease entire length. wipe off excess lubrication from other surfaces.
Brake lever and caliper pivot points	Light oil	Two to three drops from oil can
shifting cables	Thin layer of grease	Clean and grease

Yearly		
Component	**Lubricant**	**Method**
Bottom bracket	Lithium based grease	Disassemble
Pedals	Lithium based grease	Disassemble
Wheel bearings	Lithium based grease	Disassemble
Headset	Lithium based grease	Disassemble
Seat stem	Lithium based grease	Disassemble
Pedals; that can be disassembled	Lithium based grease	See bicycle machanic for maintenance.

Note: The frequency of maintenance should increase with use in wet or dusty conditions. Do not over lubricate-remove excess bubricant to prevent dirt build up. Never use a degreaser to lubricate your chain (WD-40T™)

PARTS MAINTENANCE

Tires

***Frequency*:** Inspect and maintain at least each use.

Inspect	Action	Maintenance
Tire Inflation	Check tire pressure	inflate tire to the pressue indicated on the tire sidewall. see“inflating a Tire Tube" for more detail. If the tire is flat see “Fixing a Flat Tire" for more detail
	Check the bead is properly seated While inflating or refitting the tire.	Reduce air pressure in the tube and re-seat the bead
	Spin wheel and check rotation / alignment is smooth and even.	Loosen axke nut(s) and adjust until properly seated. If the hub bearings need repair see a bicycle mechanic for repair.
Bead Seating	Check broken or loose spokes.	See bicycle machanic for repair.
Tread	Inspect for signs of excessive wear, flat spots or cuts and damage.	Repleace tire.
Valves	Check the value caps are fitted and free of dirt.	Clean dirt from the valve.

Wheels ***Frequency*:** Inspect and maintain at least each use.

Inspect	Action	Maintenance
Rims	Inspect for dirt and grease.	Use a clean rag or wash with soapy water, rinse, and air dry.
Wheels	Check the wheels are securely fastened to the bicycle and axle nuts are tight.	Adjust if necessary and tighten axle nuts.
	Spin wheel and check rotation / alignment is true	See bicycle mechanic for repair.
Spokes	Check for broken or loose spokes.	See bicycle machanic for repair.
Hub Bearings	Lift each wheel and see if there is movement side to side.	See bicycle machanic for repair.

Drivetrain (pedals, chains, chainwheel, crank set, freewheel) ***Frequency*:** as noted

Inspect	Action	Maintenance
Pedals	Every month, check each pedal is securely set and tighten into the crank arm.	If necessary, re-set and tighten.
	Before each ride, check each front and rear pedal reflectores are clean and in place	Clean or replace.

Pedals Bearings	Every ride, check the pedal bearings are properly adjusted. Move the pedal up and down, left and right. If looseness or roughness is detected adjustment, lubrication or replacement is required.	See bicycle mechanic for repair.
Chains	Every week, check the chains is clean, properly lubricated, rust-free, and is not stretched, broken, or has stiff links.	Lubricate if necessary. Replace if rusted, stretched, or broken.
Crank Set	Every month, check the crank set (crank arms, chain rings, and bottom bracket axle and bearings) is correctly adjustrd and tight.	See bicycle mechanic for repair.

Brakes ***Frequency*:** Inspect and maintain at least each use.

Inspect	Action	Maintenance
Levers	Check the levers are securely fastened to the handlebar.	Position the levers to fit the rider's grip and screw tight to handlebar.
Pads	Check pad position, gap and pressure.	See Section 4: Adjusting the Brakes
Cables	Check the outer casing for kinks, stretched coils and damage. Check cables for kinks, rust, broken strands or frayed ends. Check the outer casing for kinks, stretched coils and damage.	Replace cable.
	Check the housing is seated properly into each cable stop of the bicycle.	It is recommended that the cables and housing be replaced every riding season.

HUB BEARINGS

Hub bearings reguire special thin wrenches called cone wrenches, if you do not own these tools, do not attempt hub bearing adiustments, Have a qualified bicycle mechanic perform the adjustment if you have any doubts.

1.Check to make sure neither lock nut is loose.
2.To adjust, remove wheel from bicycle and loosen the lock nut on one side of the hub while holding the bearing cone on the same side with a cone wrench.
3.Rotate the adjusting cone as needed to eliminate free play.
4.Re-tighten the lock nut while holding the adjusting cone in position.
5.Re-check that the wheel can turn freely without excessive side play.

Reflectors: For your own safety, do not ride the bicycle if the reflectors are incorrectly installed, damaged, or missing. Make sure the front and rear reflectors are vertical. Do not allow the visibility of the reflectors to be blocked by clothing or other articles. Dirty reflectors do not work well. Clean the reflectors, as necessary, with soap and a damp cloth.

- Make yourself more visible to motorists
- Wear light-colored or reflective clothing, such as a reflective vest and reflective bands for your arms and legs.
- Use reflective tape on your helmet.
- Do not let anything cover the reflectors.

Inspection of reflector plate:

Check whether the reflector is missing. lf it is found missing,contact the after-sales service immediately to reassemble the reflector of the same specification and model, and the installation position should be consistent with the original bicycle.Please do not change the position, modify, disassemble, etc. privately. Before each use, check that the function of the reflector is normal and the surface of the reflector is kept clean.The Reflector device cannot be blocked by luggage, children chair, clothes and other objects, otherwise it will cause potential safety hazards.

WARNING ! Missing, damaged, or dirty reflectors will affect the ability of others to see and recognize you as a moving bicyclist, increasing the risk of being hit, serious injury or death. Always check the reflectors are in place and make sure they are clean, straight,unbroken and securely mounted before riding the bicycle.

NOTICE: Most states require a full set of reflectors. Some state and local laws may require that your bike be equipped with a warning device, such as a horn or bell and most states require a iEht, DO NOT RIDE AT NIGHT, Vision is auite limited at dawn, dusk and at night, f you must ride at night, take extra precautions, use front and rear lights, wear flashers on your arms, wear light-colored clothing, and plan your route to ride in well lighted areas.

Charge Your Battery

Remove the battery charger from the e-bike.

Locate the charging port nearthe top of the battery.

A red light indicates the battery is charging, green indicates the battery is full.

Unplug the charger, press the battery level indicator switch, and the battery level will be displayed. If all four lights are on, it indicates a full charge; if the remaining lights are red, it indicates low battery.

Charge Your E-Bike

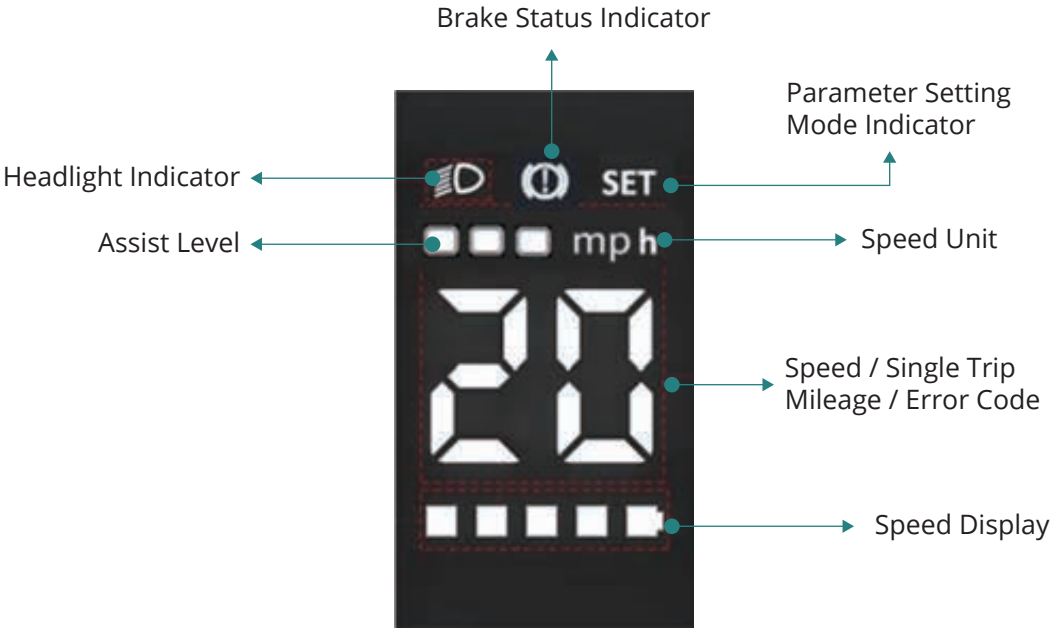
You can also charge your battery installed in the bike using the exterior charging port.

1. Locate the charging port.
2. Plug one side of the charger into the charging port and plug the other into an outlet.
3. A red light indicates the battery is charging, green indicates the battery is full.
4. Charging Time: 5.5 hours.

E-Bike Console Functions

■ Button Location

■ Display Content



Note: When only 'mph' is displayed, it indicates the current speed. If not displayed, it shows the single trip mileage.

Display Item	Content	Description
Current Speed		Displays current speed in km/h. For miles, replace the sticker. Speed must change continuously, not jump (e.g., from 20km/h directly to 0km/h)
Single Trip Mileage		Displays the mileage for the current ride. No unit is displayed
Battery Level		Displays battery level Remaining charge indicated by 5 segments. The last segment flashes when the battery is low
Assist Level		Level 1, 2, 3

Display Item	Content	Description
Brake Indicator		Shows the status of the brake lever cut-off switch. Displays when braking
Headlight Indicator		Illuminates when the headlight is on
Error Code	E0-EF	Flashes in the speed display area when a fault is detected

Power On/Off: Long press the Power button to turn the system on or off

- **Cycling Display Modes**

Short press the Power button to cycle the speed display area content: Current Speed -> Single Trip Mileage -> Error Code (if present).

The display automatically switches to the error code if a fault is detected

Short press the M button to cycle through assist levels

..... 1

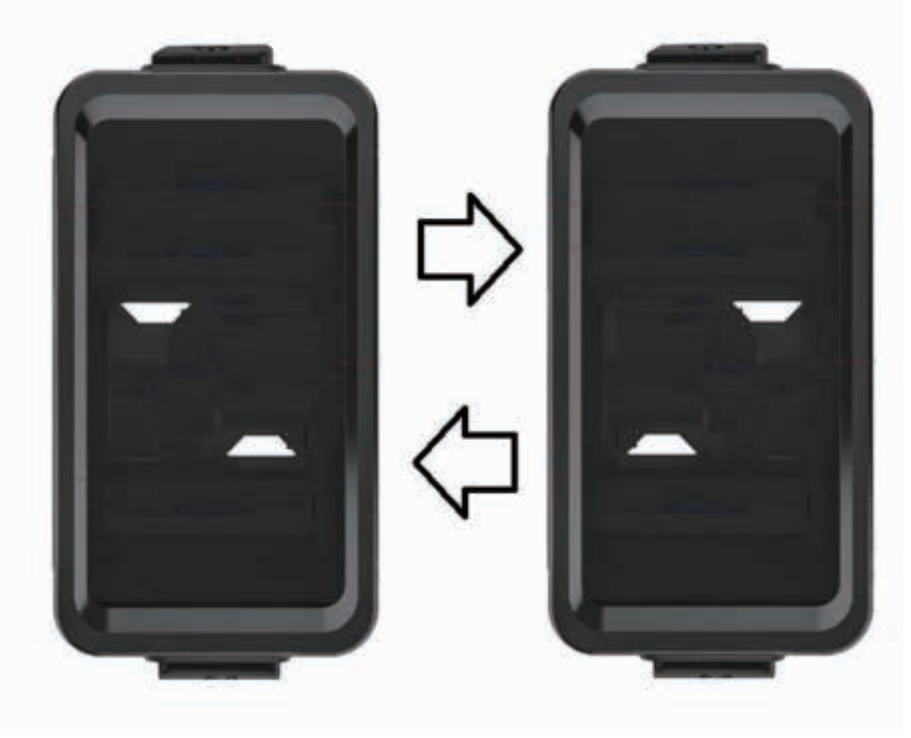
..... 2

..... 3

Headlight On/Off: Long press the M button to turn the headlight on or off

Battery Level Indication: Displayed by 5 segments. Segments deplete from right to left. The last segment flashes during low battery warning

Pre-Shutdown Dynamic Display: Upon shutdown command, the display alternates between two preset screens 5 times (each switch lasts approximately 0.3 seconds, adjustable for effect), then turns off completely



Parameter Setting: When entering the parameter setting, the SET mark is displayed. Parameters 1 and 2 can continue to be adjusted and modified.

Settings are adjusted using the Assist Level and Battery segment display areas

Parameter #	Function
1	Display Brightness (Levels 0, 1, 2)
2	0: Zero Start / 1: Non-Zero Start (selection)

Parameter modification steps:Long press the power button + M button to enter parameter setting, short press the power button to switch the parameter number.
Setting item 1: Short press the M button to cycle through brightness levels, long press the power button + M to save the setting and exit to the riding interface.
Setting item 2: The default is 1 (Non-Zero Start), short press the M button to switch to 0 (Zero Start). Note: After this setting, do not hold the throttle while powering on, otherwise pressing the power button will cause the vehicle to start accelerating immediately.

Battery Information

Before using the charger locate the voltage selector switch (li-ion chargers only) on the back of the charger. Select either 115 volts or 230 volts depending on your country of residence. Using the wrong voltage setting will permanenty damage the charger and/or electrical components on the hybrid electric bicycle.

BATTERY ASSEMBLY

1. Use the matching charger.
2. Insert the round plug into the E-Bike first and then insert the charger plug into the electrical socket.
3. A red light indicates the battery is charging.
4. A green light indicates the battery is fully charged.
5. The Key lock position will vary from model to model.
6. The battery is removable, the battery can be charged attached to the E-Bike or pulled out and charged separately.

CHARGING THE BATTERY

1. When using the charger for the first time, carefully check whether the rated output voltage of the charger is consistent with the battery voltage and check whether the charger input voltage is consistent with the grid voltage.

2. When charging, first put the charger in a ventilated place, then insert the charger output plug into the charging port. Plug the electrical power plug into the 100-240V 50/60Hz AC Power Supply. Be sure to keep the input plug in contact with the AC outlet.

3. After charging, the input plug of the charger shall be pulled out first, and then the output plug connected with E-Bike shall be pulled out. Do not leave the charge plugged in.

PRECAUTIONS FOR BATTERY PROTECTION

1. Do not place anything on the battery and charger when charging, otherwise the charger may overheat and cause serious damage.
2. Only use the charger supplied by the original factory to charge the battery, if you use a different charger your battery will be disqualified from warranty.
3. You can charge your battery at any time if the battery loses power.
4. If you do not use or charge your battery for an extended period of time, battery performance will decrease. If you do not plan to ride your bike for an extended period of time it is recommended to plug in and charge the battery Insert Care/Maintenance section an extended period every 4-6 weeks.
5. Protection can make your battery maintain about 80% of its capacity after more than 500 cycles. But overall decline is inevitable.
6. If the battery remains in a status not charged a long time, it will lead to permanent loss of performance.
7. If you want to store your battery for an extended period, please store and discharge it in a cool and dry place.
8. Keep the temperature between 32°F-113°F and avoid direct sunlight. Take the battery out for charging every 30 days.
9. Do not intentionally short-circuit the battery which will cause very serious damage and void the warranty.
10. Dispose of your batteries responsibly. Research local recycling regulations.
11. If you have questions about battery use, maintenance, or storage, please contact customer service.
12. Only use the battery supplied with this electronic bike.
13. Never charge a lithium battery unsupervised.

Error Code Table

Code	Meaning	Troubleshooting
E1	Display Communication Fault	Check the display connection cable. If intact, replace the display unit.
E2	Brake Lever Fault	Check the brake lever connection cable. If intact, replace the brake lever.
E3	Battery Undervoltage	Check battery charge level. Recharge promptly if low
E4	Motor Fault	Check the motor connection cable. If intact, replace the motor.
E5	Throttle Fault	Check the throttle connection cable. If intact, replace the throttle.
E6	Controller Fault	Check all controller connections. If intact, replace the controller.
E7	Controller-Display Communication Fault	Check the cable between display and controller. If intact, replace the display unit.

Warranty

Please contact our customer service team if you are experiencing problems or need more detailed information.

US team after-sales email: **support@gotrax.com**
CA team after-sales email: **CanadaSupport@gotrax.com**

1. Users should operate in accordance with the product manual. In case of any performance fault caused by production quality, the company shall perform the obligations of the three guarantees in accordance with the provisions of relevant laws and regulations of the state.
2. The company is still responsible for the after-sales service of the faults beyond three guarantees and the major components in the three guarantees, but there will be a cost for repair.
3. If the battery replacement is over the warranty time, our company will supply the battery at factory price. To ensure safety, and avoid pollution.
4. We do not cover physical damage due to negligent care and extreme riding.

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