

USER'S MANUAL

LY1000TD-F



GENERAL INSTRUCTIONS

DEAR USER:

We would like to greet you and thanks for buying our electric motorcycle. You've one step closer in realizing a new way of commuting that is fast, fun and friendly to the environment. They have safety devices for correct usage, such as front&rear lights, turning signals, reflectors, horn and each electric motorcycle could also come with the anti-theft audible alarm system with remote control (if needed). It's your part to understand safety implications and the possible risks of cycling. In order to ensure your safety during riding, please read this manual book carefully before using.

Notes:

- This manual book is sketch map only for illumination and operation, which can not be the final standard of the product inspection
- In case that there is some difference or unconformities with this manual due to the technical improvement, please show your understanding.
- It is recommended not to modify any of the technical characteristics of you E-motorcycle.

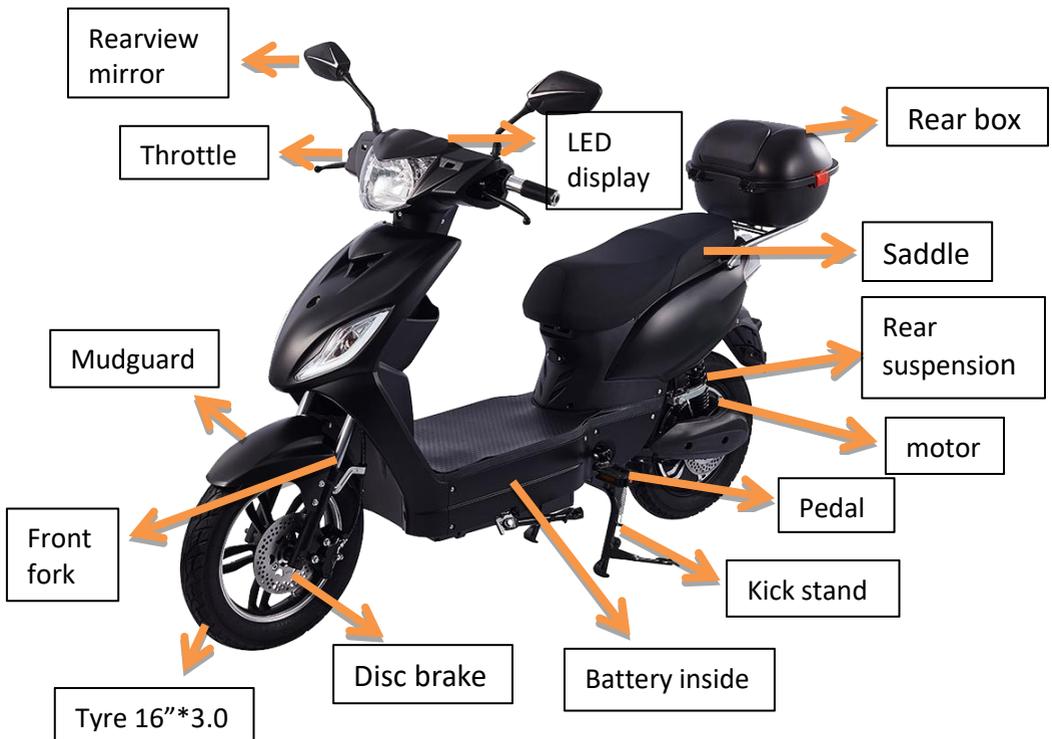


Warning : Review and follow all safety instructions contained in this Manual Book, For your safety, never misuse, abuse or improperly install or modify the main parts, always keep in mind that Safety First!



Caution: This product is not recommended for downhill competition, stunt riding, abusive riding or any aggressive off-road riding.

INTRODUCTION OF THE MAIN COMPONENTS



SIMPLY ASSEMBLY INSTRUCTIONS

Each e motorcycle was well assembled and strictly checked before leaving the factory. However, you need to install the pedals and rear-view mirror very easily according to the guidelines below: **Tools required:** Wrench; Allen/hex key; Screwdriver, etc. We sent you a set of tool kits for each ebike.

● **Cranks&Pedals:** The right-hand pedal (marked —R||) on the pedal shaft) must be fitted on the right-hand crank and tightened firmly clockwise. The left pedal (marked —L||) should be fitted on the left-hand crank and tightened firmly anticlockwise but not excessively, as the crank threads are made of aluminum alloy. Use the 15mm spanner.



● **Rear-view mirror:** Tighten the rear-view on the handlebar to make sure that you have a good rear-viewing angle.

● **Tail box(if needed):** You can fix the tail box with the screws/bolts/nuts together with them very easily.

SIMPLY ASSEMBLY INSTRUCTIONS

- Please obey the local traffic regulations for riding this e motorcycle, and ride it only in non-motorized way without carrying other person (especially children) when riding.

- Please read this instruction manual carefully and make sure that you could operate the electric motorcycle before you ride it for the first time.

- Don't lend the electric motorcycle to anyone who doesn't know how to operate it.

- Regularly check the tire pressure to facilitate pedaling and minimize battery consumption.

- Please always check the brake to make sure they are working correctly. Adjust it well enhance the brake sensitivity if needed. Please use the brake in advance and reduce the speed in snowy or rainy day.

- Please hold the handle by both hands except you need notify others for turn around.

- Please open the light in dark or low-visibility conditions. Please push the motorcycle, if you can not use the light by foot during riding in case that you be damaged by the involvement or instability.

- Make sure your body and other objects do not come into contact with the chain or the wheels in case of damage.

- Prohibit touching charging connector on the battery pack with your wet hand, key or other metals in case they damage the battery pole and cause short circuit.

●Wear bright clothing to help make you visible to other motor vehicles when you are riding at night.

●Like other cycles, it can only carry one person, carrying a passenger is not permitted.

●To brake, the rider must action both brake levers to the correct degree.

●Never ride the electric motorcycle under the influence of drugs or alcohol.

●Do not ride under bad condition, such as uneven ,wet or loose surface

●If possible, do not ride in adverse weather conditions, low visibility or if you are very tired for the sake of safety.

●This electric motorcycle can be used in the rain; however, it must not be submerged in water or puddles. The controller, motor and other electrical devices may be short circuited, causing damage and created possible dangerous situations.

●Never use sprayed water to flush your E-motorcycle, don't get the electrical components wet (battery connector, motor, controller, cables, handlebar controls, etc)

●Don't let children under the age of 10 ride the E-motorcycle

●The natural environment of riding this motorcycle:

1.) ambient temperature: -15°C — 40°C

2.) relative humidity: $\leq 95\%$

CHARGING INSTRUCTIONS

- ▶ You shall use the charger which should match this e motorcycle (never use a charger from a different model). Before charging, you must turn the power switch to —OFF|| and pull out the key. Keep the charger in a dry and ventilative condition when it's working.
- ▶ The charger is designed for indoor use only. Keep the charger away from water to avoid short circuit. Don't even use it in a dampening, combustible or explosive environment. Do not remove the plug by pulling the cord, always grip the charging port by its metal body.
- ▶ Firstly connect the output plug of the charger with the socket of the battery pack properly, and then insert the input plug into the electrical outlet. And the charger indicator will light on, which means it's on charging.



- ▶ When the light turns from Red to Green, it means the battery has been fully charged. Usually it will take about 6-8 hours to fully charge the battery depend on different status. However, it's a good suggestion that it's be charged for additional 2 hours after the light turn to green if you have time. (It is good for the service life of the battery).
Do not charge it for more than 11 hours to avoid overcharging and damaging the battery. After the light turns GREEN, the charger is in the state of trickling charge and —fill slowly " and maintain the state. If you are going to be out for a long time, you should pull out the charger plug, especially in hot weather.

The charger will become warm during charging, so keep charger away from any heat source. Please always keep the charger dry and clean. The electronics inside contain high voltage, so please don't disassemble the charger by yourself.

- ▶ After charging, please pull the input plug out of the electrical outlet first, and then pull out the output connecting plug from the battery pack. Do not leave the charger plugged into the battery or electrical outlet for a long time, which may damage the charger and cause fire.
- ▶ While charging, please keep it out of the reach of children. Do not put anything on top of the charger when use, and prevent any liquid, metal or metal fillings to permeate into the charger.

RIDING INSTRUCTIONS

▲ Check before riding it for the first time:

The e motorcycle was assembled and checked before leaving the factory, nevertheless, before using for the first time, check the following elements:

- First check to see that whether the battery is fully charged and locked well
- Check and make sure the front and rear brakes are working properly
- Check the air pressure of the tires is enough
- Check the tightness of the front and rear wheels
- Check and make sure the pedals are tightened tightly enough(if you use them), and all locknuts,bolts and screws are tightened

▲ Riding:

First turn on the power switch (turn the ignition key to " ON|| position), the battery gauge pointer will be working and show you how much of the battery capacity, which means power connected.

•Note:

When the battery is at the red area,which means it's low capacity and you need to recharge the battery immediately



- Then you can start the emotorcycle very easily: rotate the throttle (anticlockwise) to increase the speed smoothly. When you use the throttle, please accelerate gradually, don't try to get the max speed instantly, which would be bad for the electrical components and battery.And it's a good suggestion that you shouldn't start the emotorcycle with the throttle directly from a standstill,you should first pedal to move it and then use the throttle.This could do good for the battery and motor.

- The brake has power cut off function, if either of the brake levers is pulled, the power will be cut off automatically and then the motor will not work.

- The hand brake will automatically cut off the power to the motor as also will releasing the throttle. However, you should still avoid attempting to use the throttle when the brakes are being applied. so that the motor won't be overloaded.

- The controller of ebike come with over-current protection device,which means when you ride on steep uphill or against heavy winds,if the battery is drained severely,the over-current protection device will work,then the speed will be reduced.And at this time,if you can help with some pedaling(if possible),that will be good for the electrical components.

- The motorcycle also come with low-voltage protection device,when the battery is nearly discharged/draind exhausted, if you still use the throttle to ride it,the battery will be badly damaged.If that's the case,the low-voltage protection device will work,then the power will be cut off automatically.



Attention: After the key is in —on|| position, if the rider hits the throttle the vehicle will lurch forward! Do not turn ON until you are ready to move forward! As the vehicle starts, accelerate it slowly/smoothly; don't try to get to your maximum speed quickly, lest you should damage the electrical components. The switch of the electricity should be turned off when pushing, so you don't turn the throttle by accident, making the Electric Bicycle start suddenly and cause accidents. [To help get the best distance out of your](#)

electric motorcycle, refrain from much braking unless when it's a must for safety.

Battery level gauge: When the battery power is getting low, the pointer will be at the [L] area, at this time you should turn OFF the power switch and charge the battery when you get to the electrical outlet, and enjoy the electric power after it's fully charged.

Notes: Don't expose the e-motorcycle to sunlight(especially in high temperature) or rain for a long time, or some electrical components may behave abnormally.



Special Note:

If you use the brake frequently, switching the motorcycle ignition on and off continuously(stop the emotorcycle and restart it), riding against wind, riding uphill and carrying more weight will influence the performance of the battery, making it last less time and travel less distance. We recommend you to follow the good advice as followings if you want the distance traveled to be as long as possible:

- 1) Rotate the speed control throttle smoothly and increase the speed gradually
- 2) Refrain from braking too frequently unless when it's a must for the safety.
- 3) Try not to stop the emotorcycle and then restart it too frequently during the riding if you can
- 4) Whenever you want to start the emotorcycle from the standstill state, you had better make it move firstly and then rotate the throttle smoothly to increase the speed.

MAINTENANCE

ATTENTION: Before carrying out any sort of maintenance, turn off the power switch and remove the ignition key firstly.

★ Regularly check:

Please regularly check and pay attention to the whole condition of the e motorcycle, such as whether the tire pressure is adequate, front and rear brakes are sensitive, the screws/nuts/bolts are fastened, and is there any abnormal noise sound from it,etc.

★ Adjusting the brakes:

Correct brake adjustment will make the controls work easier and offer greater safety to the rider:

The brakes are adjusted in a similar fashion to any standard bicycle. It is important for the brakes to work correctly and that the electric cut-off devices to be in working order (Electric cable to the brake levers).There is the micro-adjustable nut for both front and rear drum brake,which enable you to adjust the tension of brakes very easily.

Once the brakes have been adjusted, make the wheels turn to ensure there is no binding and check that when either of the brake levers are pulled, the motor stops working,as it has the power cut off function with the brake lever.



★ Lubrication:

For long –life service the following parts of your E-motorcycle should be regularly lubricated every half year:

Front axle: Chain; Rear axle: Freewheel, Front fork and other rotation parts shall be lubricated merely with grease and brake shall not be filled with any lubrication at all.

For electrical parts, the user needn't clear them because they are lubricated in factory. If you find anything wrong, please go to the local customer service center for help.

★ Cleaning:

The E-motorcycle should be cleaned with a damp sponge, taking special care not to get electrical parts wet (Battery connection, motor (rear axle), electric cables, handlebar controls, etc.). Dry with a cloth.

When clean your electric motorcycle, do not use the sprayed water to flush it. Use a cloth to avoid short circuiting any electrical components. Your electric motorcycle has a durable finish and does not need waxed. Clean with a mild detergent and buffing to restore its original shine if needed.

TROUBLESHOOTING

Problems	Possible causes	Solutions
Turn the power switch to —ON position, the battery indicator don't light on, the motor can't work , there is no electric power on the bike	<ol style="list-style-type: none"> 1.Battery is completely Discharged 2.The electric cable connecting the battery is loose 3. The fuse has burnt 	<ol style="list-style-type: none"> 1.Charge the battery 2.Fix the cable firmly 3.Change the fuse
The power is connected,rotate the throttle,the motor can't work or the max speed is reduced	<ol style="list-style-type: none"> 1.The battery voltage is too low 2.The throttle get problem 3. The motor connecting cables is getting loose 	<ol style="list-style-type: none"> 1.Fully charge the battery 2.Replace the throttle 3.Call the technical service centre
The traveling distance getting shorter	<ol style="list-style-type: none"> 1. Insufficient battery capacity 2.The battery getting old and exhausted 3.The tire is not fully inflated 4.Braking frequently, riding uphill or running against the wind continuously 	<ol style="list-style-type: none"> 1.Charge the battery fully 2.Change the battery 3.Inflate the tires 4.Use more pedaling
The indicator doesn't light on when charging	<ol style="list-style-type: none"> 1.The connecting cable is getting loose 2. The fuse burnt out 3. The charger damaged 	<ol style="list-style-type: none"> 1.Insert the socket firmly 2.Change the fuse 3.Change the charger
Other troubles	Any problems in electrical components	Ask the local dealer or service centre for help