

# **User's manual**

BOLT

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Electrically power assisted bicycles, cannot be propelled exclusively by means of this auxiliary electric motor.

Electric bicycle only add motor, controller, charger, battery. When Riding, electric energy will help you to drive easier and save labor.

**Items in carton:**

When you open the carton, please check if the following items are inside. If not, pls contact with your dealer..

electric bicycle	1pc
battery	1set
charger	1pc
pedal	1pair

**Accessory:**

tool bag	1pc
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# 1. Safety instructions and notes

## 1.1 Safety instructions

- ★ Do not operate this electric bike without carefully reading the Manual and understanding the performance of the electric bike, and do not lend it to persons who can manipulate the electric bike.
- ★ Preparations before riding: wear your helmet, gloves and other protective gears before riding to protect yourself from damage in case of an accident.
- ★ We highly recommend that you observe traffic rules and regulations when using this electric bike. Passengers can not be carried. When riding in rainy, snowy or slippery conditions reduce your speed and increase the distance between yourself and other vehicles.
- ★ Cycling conditions: ambient temperature of -10 to 40C, no wind and flat roads; without frequent startup and brake, the general running distance may be 40 to 80km (according to the battery capacity).
- ★ Maximum load: the maximum load of the bike is (150Kg) ; if an accident happens when the load is more than 180Kg, the company does not undertake any responsibility.
- ★ In case of frequent brake, startup, uphill, headwind running, muddy roads, overload and others, a large quantity of electric power of the storage battery will be consumed, thus affecting the continued mileage, so we recommend that you avoid the above factors when riding.
- ★ If the battery is disabled for a long time, make sure to charge it enough, and it needs be additionally charged once if its storage is more than a month.
- ★ Make sure to pay attention: the electric bike can not be submerged in water because if water enters into the controller and motor wheel, it may cause short circuit to damage the

electrical appliances!

- ★ Unauthorized demolition or alteration is prohibited, Taubik is not responsible for any loss incurred.
- ★ Any defective battery must be disposed of according to local environmental regulations.

## 1.2 Notes

The electric bike is designed in combination with the market demand and is a means of transport with special functions and uses. At the time of purchase, please select and buy a model suitable for your need, and the drivers must have skilled driving technique before driving on the roads. In order to your correct use and security, please pay attention to the following matters:

a. In the process of use, pay attention to checking the fastening status of the motor and rear fork, and if a loose piece is found, it should be tightened timely.

b. When starting the power supply or meeting a steep slope, use the Pedal to assist as far as possible to reduce the starting current and extend the battery life and continuation line mileage.

c. In rainy days, please pay special attention when the water depth is more than the wheel center, it is likely for the motor to soak water, thus resulting in failure.

d. Users must use the charger specified by manufacturer for charging the battery.

e. It is prohibited that other items are covered on the battery box and charger to impede heat, where good ventilation environment should be maintained.

f. Please keep appropriate air pressure inside the tires, so as to avoid increasing the resistance when driving, and easily wearing the tires and deforming the Rim.

g. Drivers should abide by traffic rules, and the riding speed should be controlled below 32km/h and the goods to be carried shall not exceed 25Kg.

h. When high-speed running or downhill hard braking, do not use the front brake to avoid the center of gravity from moving ahead, thus resulting in danger.

## **2. Basic structure and name**

1.Frame 2.Seat post 3.Saddle 4.Vertical handle stems 5. Across handle Stems 6. Deraillieur 7.Brake handle 8. Front fork 9. Headlight 10.Disc brake 11.Disc brake plate 12.Hub 13.Rim 14.Tyre 15.Speed sensor 16.Crank 17.Pedal 18.Chain 19.Back fender 20.Flywheel 21.Motor 22.Front fender 23.Back fender 24.Battery 25.Reflector 26.Side Stand

## **3 Assembly method and requirements**

### **3.1. Installation of Headlight and front fender**

#### **3.1.1. Installation of Headlight**

★ Close the power supply, avoid the positive and negative pole of the lamp wire from short-circuit, install the head light, and do not pull the head light, in order to avoid the lamp wire from separating, causing unnecessary trouble.

1 Take out the Headlight and the front fender;

2 Align the hanger of the front fender with the hole of the Headlightrack, fix the hexagonal M6 × 16 bolt inside the screw hole of the Front fork with 10mm opening wrench, and tighten the bolt.



- ①: Headlightrack
- ②: Front fender hanger
- ③: Hexangular M6×16 bolt and Ø6 flat gasket



### 3.1.2 Installation of Front fender

Take out the front fender, and fix the fender hanger and Headlightrack on the Front fork with hexangular M6 × 16 bolts;  
2 Fix the pan head M5 × 14 screw and the front fender stick on the corresponding positions at both sides of the Front fork with the cross screwdriver, and tighten the bolts, as shown.



★ When the lifting ear of the front fender is installed, please move the fender up as much as possible so as not to interfere with the tire.

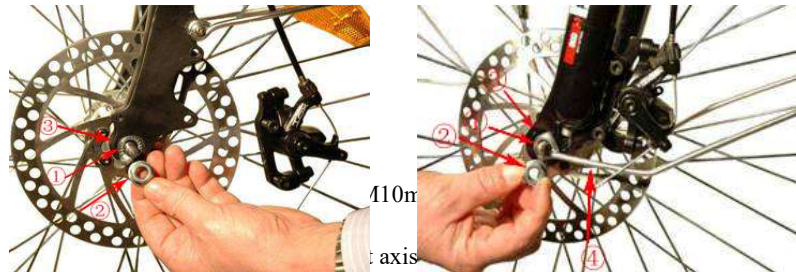
## 3.2. Installation of front wheel

### 3.2.1. Installation of common front wheel

1 Take out the front wheel, and loosen the nut and hook on the front wheel axis;

2 Remove the black plastic rack below the Front fork, and place the front wheel axis into the Front fork contact pin;

3 Turn the hook and nut (\* front fender stick) to the front wheel axis, and tighten the nut with 15mm opening wrench by 18N.m torque and install the protective cap on the nut.



so that the front wheel axis can work closely with the Front fork.

### 3.3. Assembly requirements

In order to ensure the cycling safety and using performance, the fastening requirements for the standard parts at the key places are as follows:

- A. The tightening torque of the front wheel nut is not less than 13 ft-lb
- B. The tightening torque of the rear motor nut is 26-33 ft-lb
- C. The tightening torque of the middle axis component lock is not less than 37 ft-lb
- D. The tightening torque of the core screw rod in the Vertical handle stems is 11-13 ft-lb
- E. The tightening torque of the Across handle Stems and the Vertical handle stems is 11-13 ft-lb
- F. The tightening torque of the saddle pipe ring is 4.5-6 ft-lb



- G. The tightening torque of the saddle and the Seat post ring is 11-13 ft-lb
- H. The tightening torque of the Brake handle is not less than 7.5-9 ft-lb
- I. The tightening torque of the Deraillieur is 6-7.5 ft-lb

## 4. Operation and adjustment

### 4.1. Introduction to speed boosting system

The speed boosting system is also known as 1:1 boosting system. And the so-called 1:1 automatic power assisting is that when you ride only by means of feet, the sensor with your bike will automatically sense your riding speed and control the motor to assist you automatically in a driving force with the same speed, so as to make your ride easier and get more mileage.

1:1 boosting system comprises a controller, sensor and induced cartridge.



① Controller

② Sensor

③ Induced cartridge

## **4.2. Charging**

Transportation from the factory and storage is likely to result in shortage of the battery power, the battery should be first charged before it is used.

The charger configured or designated by our company must be used for charging; otherwise it might damage the battery, and may even lead to fire and other danger, but no warranty is provided by our company.

### **4.2.1. Installation and charging of battery(as shown in Figure 1)**

Figure 1



### **4.2.2. Charging steps and method**

1. The battery can be directly put on the bike for charging and can also be removed from the bike to be charged indoors and at other appropriate places.
2. Connect first the output plug of the charger with the charging jack of the battery properly, and then connect the input plug of the charger to the AC power supply.
3. Avoid charging in direct sunlight.
4. At this time, the power indicator light and the charge indicator light of the charger are on, indicating that the charging has been connected.
5. After charging, should first pull out the AC power plug, and then pull out the plug connected with the battery.

After the battery is fully discharged, the one-time charging time is 6 to 8 hours, and after the charge indicator light is red from green, the

power capacity of the battery has been basically sufficient.

A new bike should be charged for (8 to 9 hours) after depth discharging since charging for the first time, and the one-week depth charging and discharging is a cycle to fully activate the active substances inside the battery. Later, it can be re-charged even if its power is not used up.



6. Only charge when the battery requires (avoid constant charging).

7. Never allow the battery to discharge completely.

### **Common sense of charging and use:**

\* The battery should be charged in a spacious environment, staying away from high temperature, high humidity and close fire, because the battery and the charger are electronic products, high temperature and humidity will corrode electronic components, resulting in some harmful gases and soot, and even a possible explosion to wound.

\* The charging time should not be too long. A long charging will lead to shortened life expectancy of the battery.

\* After the battery is fully charged, the power supply should be pulled out as soon as possible, and at the same time, the battery is taken out of the charger.

\* When the battery is not used for a long term, it should be re-charged once every month or so.



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