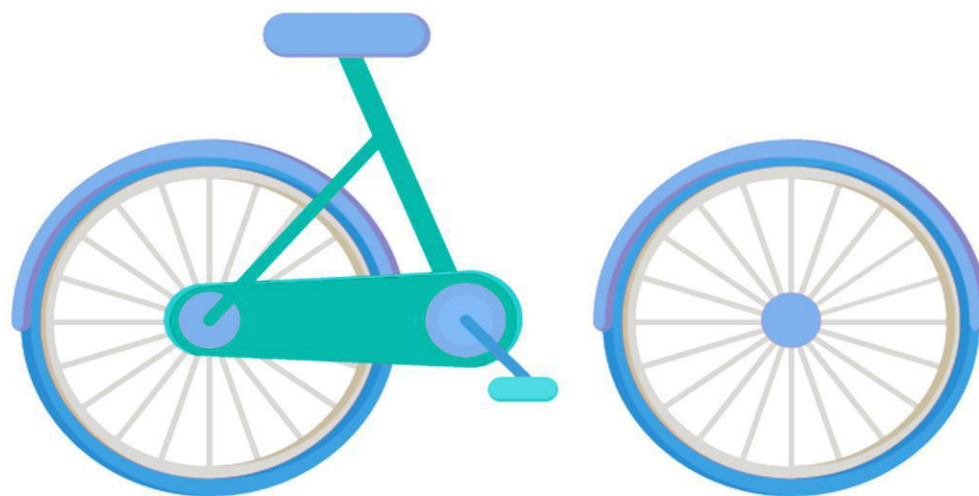


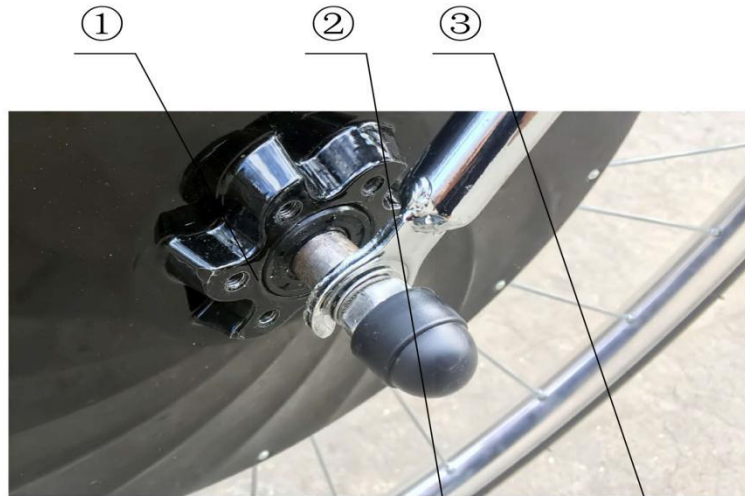


iMortor



MANUAL

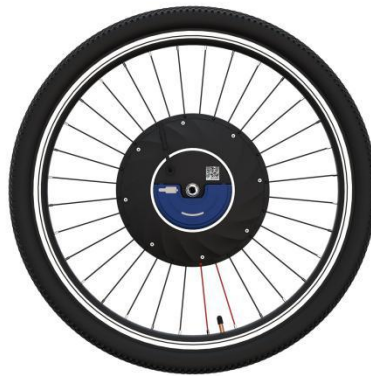
Product Sample for iMortor Installation



⑦	Gear shifters
⑥	Cellphone bracket
⑤	iMortor subject
④	Inter-cut Battery
③	Connector of lead wire and cellphone bracket
②	Connector of iMortor subject and lead wire
①	Installation surface of disc brake
S/N	Name



⑥ ⑦



Motor



Battery



Phone Holder



Charger



Choose Throttle or LCD



Wire



Brake Sensor



PAS Sensor

Complete Accessory Figure for iMortor

1. Safe Usage of iMortor

1.1 About safe usage

Please abide by the relevant content of *User Manual*, then you would safely drive the iMortor. We intensely recommend you shall seriously read the *User Manual* before driving the iMortor for the first time. Please check whether the iMortor tire is damaged and whether the parts are loose before driving. And please promptly contact the seller for maintenance in case there is any abnormal condition.

Please seriously read *User Manual* and you would gain very important safety information, such as the installation method, operation method, app usage, etc.

Please don't take advantage of the iMortor for anything which endangers the body or assets.

Please don't refit the component of iMortor at will, because the behavior not only influences the performance of iMortor, but also damages the iMortor.

1.2 Maximum load weight

The reason why the driver's weight is limited for the following two aspects:

1.2.1 Ensure the safety of drivers;

1.2.2 Reduce the damage to iMortor due to the overloading.

Maximum weight limit of drivers: 180Kg;



Overweight Would Damage the iMortor

1.3 Endurance mileage

The factors which influence the endurance mileage include the following aspects:

1.3.1 Terrain: Driving distance would increase when driving on smooth and flat ground;

1.3.2 Weight: The weight of drivers would influence the driving distance;

1.3.3 Environment temperature: The driving distance would be reduced under the extreme temperature;

1.3.4 Maintenance: Reasonable charging and battery maintenance would increase the driving distance;

1.3.5 Speed and driving style: The driving distance would increase by keeping the medium speed, on the contrary, the frequent startup, stop and acceleration would reduce the driving distance.

1.4 Speed setting

1.4.1 The driving speed of iMortor at 3modes are 16km/h, 20km/h and 26Km/h accordingly.

1.4.2 Don't suggest the overspeeding when the iMortor is driven.

2. Installation of iMortor

Please carefully read the *User Manual* before installation, and pay attention to relevant safety matters.

2.1 Installation of iMortor hub

2.1.1 Step 1: Upend the vehicle frame before retrofitting, then take the front hub set down. < Refer to Figure 1 in details>

2.1.2 Step 2: Install the disc brake of iMortor hub (the cycle brake doesn't need to install the disc brake). Please use original disc brake upon installation, and tighten the opposite angles of bolt to avoid the screw deviation. < Refer to Figure 2 in details>

2.1.3 Step 3: Install the iMortor hub (the alignment axis flat-square is elected for installation according to the opening direction of your love car). < Refer to Figure 3 in details>

Attention: Please add the adjustment washer with suitable quantity according to the bottom fork opening of your love car in order to ensure the optimum installation locking.

2.1.4 Step 4: Lock the iMortor: firstly screw the nut with hands preliminarily, then lock the iMortor hub with the donative special locking sleeve.
< Refer to Figure 4 in details >

Attention: Please select the direct in which the battery position could be staggered according to the bottom fork location of your love car for the locking in order to ensure the battery could be successfully inserted and plugged.

2.1.5 Step 5: Observe the bounce, please rapidly stir the hub with hands after locking the iMortor, then check where the hub has the grinding, abnormal sound and other bad installation phenomenon. < Refer to Figure 5 in details>

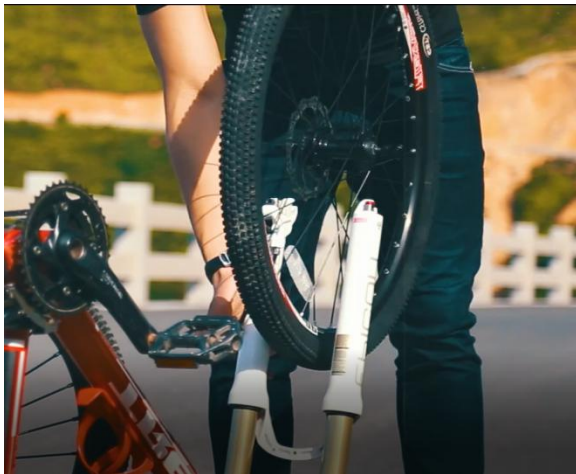


Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

2.2 Installation of driving gear shifters of iMortor

2.1.1 Step 1: Dismantle the handlebar gloves. <Refer to Figure 5 and 6 in details>

Attention: In case the gear shifters space has shortage after the gear shifters are installed, the original handlebar gloves could be slightly sheared.

2.1.2 Step 2: Install the iMortor gear shifters: insert the iMortor gear shifters into the suitable location of handlebar rod of your love car, and lock the gear shifters with hexagon wrench of special gear shifters donated. < Refer to Figure 7 in details>

2.1.2 Step 3: Debug the iMortor gear shifters: adjust the iMortor gear shifters to the suitable radial position according to your usage habit. < Refer to Figure 8 in details>



Figure 5



Figure 6



Figure 7



Figure 8

2.3 Installation of cellphone bracket of iMortor

2.3.1 Step 1: Select the direction of your love car, and the suitable blank position is used to install the cellphone bracket of iMortor. < Refer to Figure 9 in details>

2.3.2 Step 2: Install the cellphone bracket of iMortor, unfasten the locknut of cellphone bracket of iMortor, thread the soft lock bank through the handlebar pipe that you would install, then install the locknut. <Refer to Figure 10 and 11 in details>

Attention: You shall determine whether the bracket positioning is added to install the cushion on the basis of size of handlebar at the installation location of your love car when the cellphone bracket of iMortor is installed.

2.3.2 Step 3: Lock the cellphone bracket of iMortor, and adjust the cellphone bracket of iMortor to the suitable radial position according to your usage habit, and lock the positioning nut. < Refer to Figure 12 in details>



Figure 9



Figure 10



Figure 11



Figure 12

2.4 Installation of iMortor lead wire for connection

2.4.1 Step 1: As for the connection of the iMortor lead wire and the cellphone bracket of iMortor, find out the two-core waterproof connectors of iMortor lead wire and iMortor cellphone bracket, then insert mutually and lock them. < Refer to Figure 13 in details>

2.4.1 Step 2: As for the connection of the iMortor lead wire and the iMortor hub, find out the eight-core waterproof connectors of iMortor lead wire and iMortor hub, then insert mutually and lock them. < Refer to Figure 14 in details>



Figure 13



Figure 14

3. Usage of iMortor

3.1 About gear shifters

The gear shifters of iMortor belong to the custom-made driving gear shifters accelerator, its function includes the power switch, battery capacity display and speed driving.

In which, the red button on gear shifters is the power switch button, the red, orange and yellow LED lights are the display lights of battery capacity, and the stir pick on gear shifters has the speed drive function. In which, the lights of red, orange and yellow are bright, which means

the full capacity, the lights of red and orange are bright, which means 70% capacity, only the red light means 30% capacity. <Refer to Figure 15 in details>

Attention: The inner diameter of location hole of iMortor gear shifters is 22.5mm. In case handlebar size of your love car is slightly small, please appropriately add the soft leather cushion delivered by us to adjust the rubber.

3.2 About cellphone bracket

The installation size of iMortor cellphone bracket is the open-type size, the installable positioning size is within 15-35, and it integrates the USB
' Electric power display to Figure 16 and 17 in details>



Figure 15



Figure 16

3.3 About APP

The feedback function of main page of App includes: < Refer to Figure 18 in details>

3.3.1 Operational data of complete machine: Driving speed, driving mileage and driving gear.

3.3.2 Operational data of parts Electric power and fault display of battery (including the motor fault, brake, battery under-voltage, controller fault, gear shifters fault, etc.).

The feedback function of auxiliary page of App includes: < Refer to Figure 19 in details>

Open-type adjustable

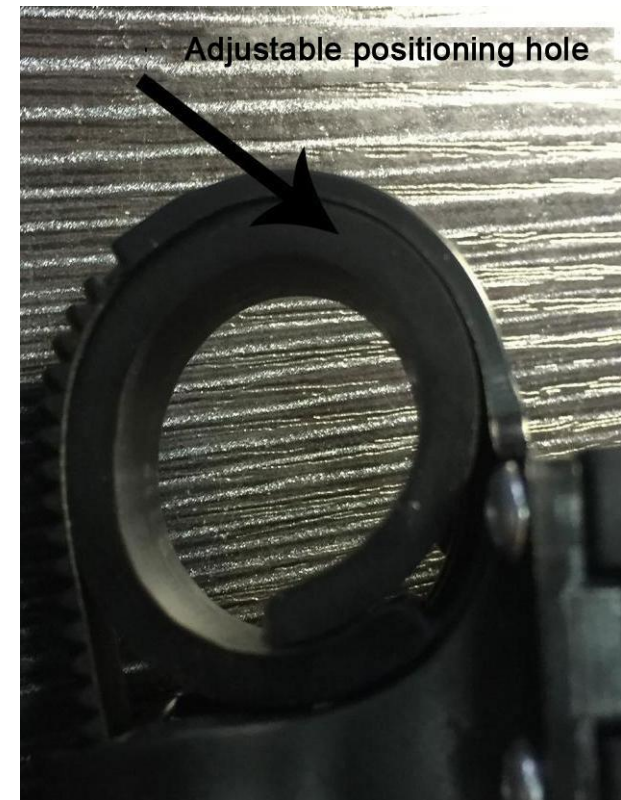


Figure 17

3.3.3 Operational data of complete machine: Working time, total driving mileage, measurement unit of mileage (kilometer or mile), geographic position of driving.

3.3.4 Operational data of parts Selection of battery voltage and vehicle wheel diameter (extend from 6 inch to 28 inch, please select the wheel diameter size according to the wheel diameter size of your love car), and the selection of magnetic pole number of motor (extend from 2 poles to 80 poles. you shall select 56 poles on the basis of the motor design).

Backstage page function of App also includes: <Refer to Figure 20 in details>

3.3.5 Password setting and modification of cellphone, brief introduction of app, special functions of app, problem solution, feedback, etc.

Attention: Besides, if you need the software in English version, you only need to change the cellphone voice into English voice.

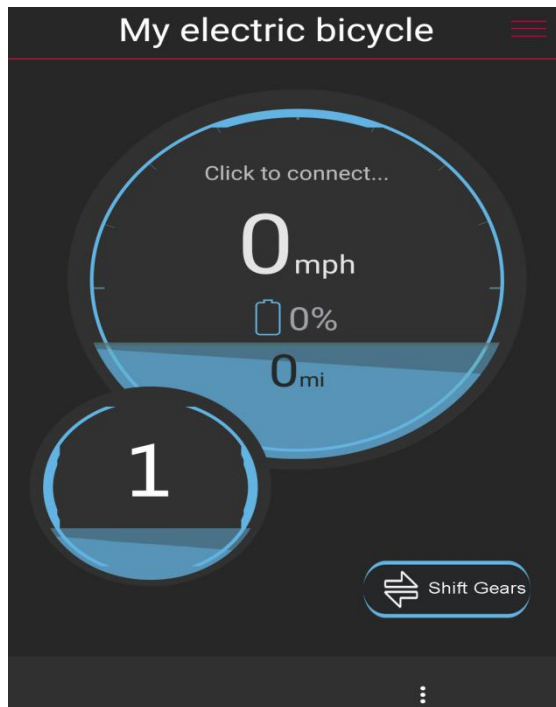


Figure 18

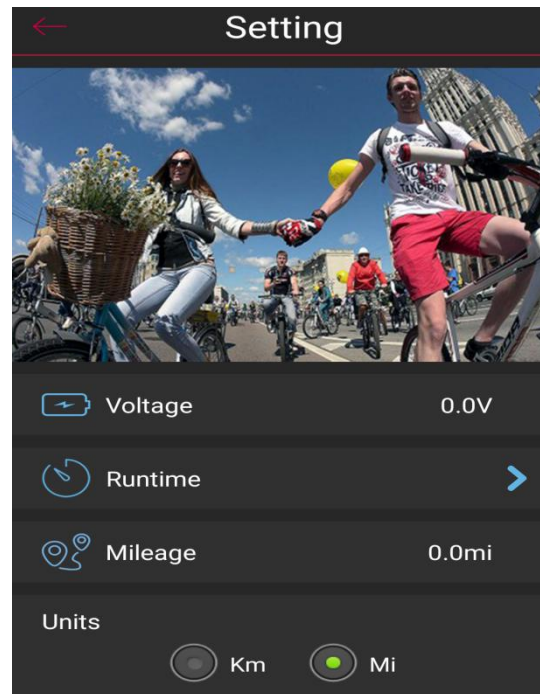


Figure 19

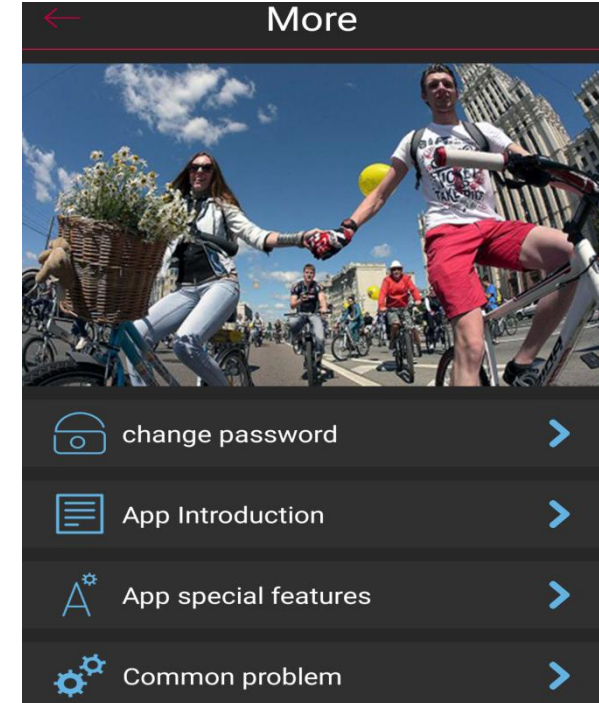


Figure 20

3.4 About riding

3.4.1 Step 1: Check whether all components of iMortor are properly installed, and check whether there is loose condition, breakage and other abnormal phenomena.

3.4.2 Step 2: Install the iMortor app only by scanning the QR code. (Android and iPhone system could install by scanning the QR code)<Refer to Figure 21 in details>

3.4.3 Step 3: Open the bluetooth function and the iMortor just installed for special development of app "iMortor". <Refer to Figure 22 and 23 in details>

3.4.4 Step 4: Press the power switch button on the iMortor gear shifters, and observe whether the power indicator light on the gear shifters indicates the active electricity. < Figure 24>

3.4.5 Step 5: Connect the complete machine of iMortor with the connection function in app, please input the connection passport upon connection, and the initial passport is "0000". <Refer to Figure 25 in details>

3.4.6 Step 6: Check whether app normally operates. You could check your battery capacity and battery voltage lamp information in your cell-phone app under the static state of iMortor. <Refer to Figure 26 and 27 in details>

3.4.7 Step 7: When you start to drive the iMortor assistance riding product, you shall firstly drive with your leg strength to let your love car drive at no less than 5km/h, then accelerate by stirring the speed drive pick on iMortor gear shifters with hand. (Before riding, you could adjust the gear that you need upon driving in the iMortor app)

3.4.8 Step 8: When you need to reduce speed for brake, you shall firstly loosen the speed drive pick on iMortor gear shifters, then conduct the brake.



Figure 22

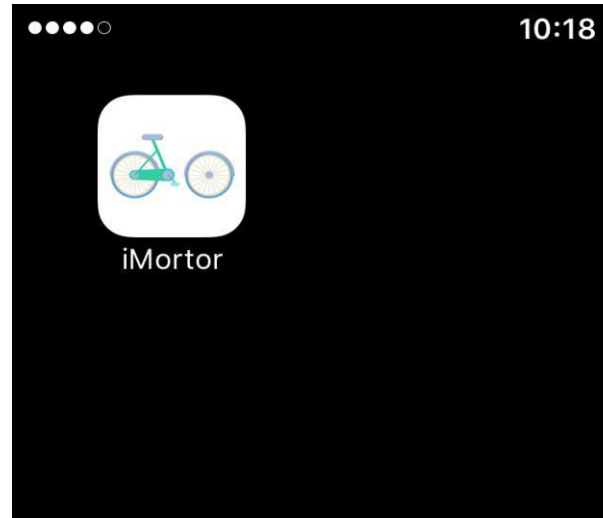


Figure 23

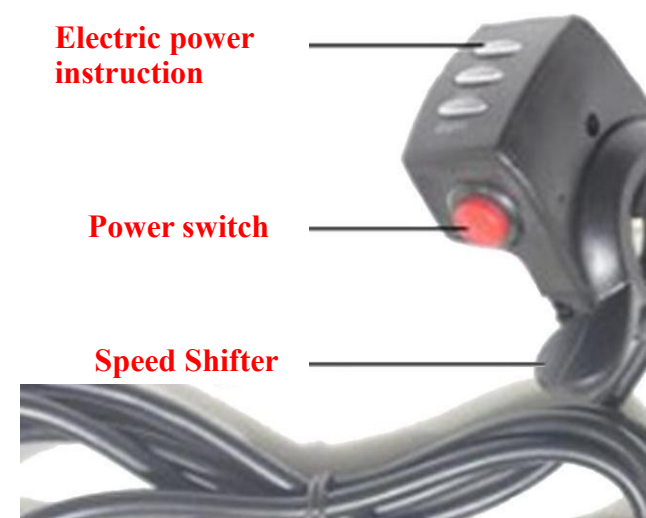


Figure 24



Figure 25



Figure 26



Figure 27

3.5 About charging

3.5.1 Step 1: Select the charge method. (Since the battery of iMortor is the dismountable battery, so the charge methods include the charge in the connector of cellphone bracket and lead wire, the direct charge to the battery)(Refer to Figure 28 and 29 in details)

3.5.2 Step 2: Plug AC plug in daily AC socket, and observe whether the indicator light on charger is normal green. <Refer to Figure 30 and 31 in details>

>3.5.3 Step 3: Tightly plug the charging socket selected by you with the corresponding charging socket pair, and observe whether the green indicator light changes into red indicator light on charger. <Refer to Figure 32 in details>

3.5.4 Step 4: After the indicator light on charger changes into green and is normally bright, it means full capacity. (Refer to Figure 33 in details)
(In case the dead battery in charger is charged and the indicator light is normally bright and green, it indicates that the charger has been damaged, please replace new charger)



Figure 28



Figure 29

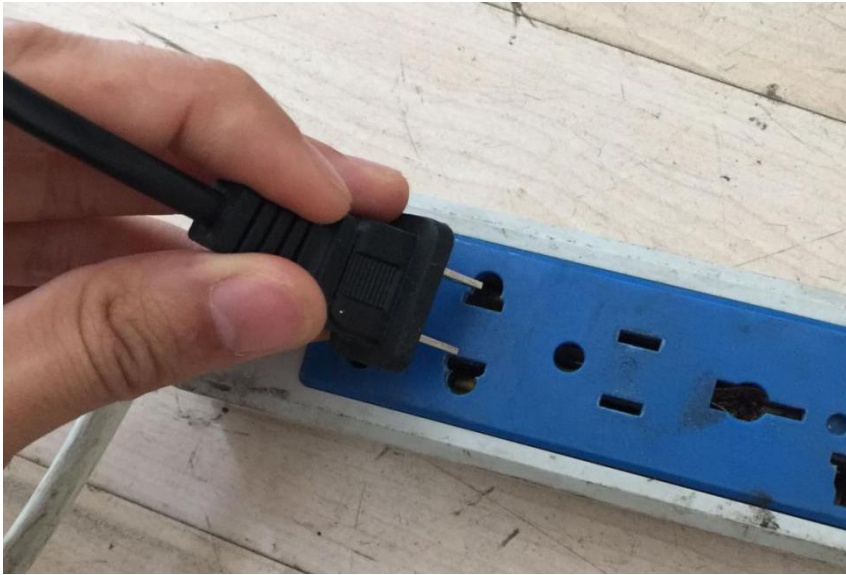


Figure 30



Figure 31



Figure 32



Figure 33

4. Safety Guidance for Driving

The following contents include the safety knowledge and warning statement, please know some safety precautions before using the iMortor. In order to ensure that you could safely drive the iMortor, please read through the *User Manual* and abide by the relevant safety instructions. Please pay attention to all safety warnings and usage precautions as mentioned in *User Manual*. And your safety and delight sense for drive of iMortor could be improved by knowing these safety precautions.

In order to avoid the damage, you shall seriously read and refer to the instructions of User Manual to drive the iMortor and ensure the usage with good product performance.

The children shall use when the adults accompany. The old men who have the heart disease history and hypertension, lack the self-protection awareness due to the inconvenient movement of hands or feet shall not be allowed to use as well as the pregnant women and the disabled.

Please don't drive after drinking or using drugs, and don't drive with goods.

Please pay attention to the local traffic laws when driving the iMortor, and give precedence to the pedestrian.

Please look out the front and remote objects. It helps you drive driving iMortor safer to keep good vision.

Please wear suitable sportswear to use the iMortor, which is conducive to the emergent condition treatment for you better.

The weight of user and goods carried shall not exceed the maximum load indicated in the instruction. Keep the vehicle speed in the scope that the safety of yourself and others could be ensured, and the operation of iMortor could be prepared and stopped at any time.

When you drive with other users who drive the iMortor together, please mutually keep certain distance to avoid the crash.

Don't distract when driving the iMortor, for instance, answer the telephone, listen to music, engage in any other activities. Pay much attention to the safety when driving the iMortor on the wet and slippery road.

Don't drive the iMortor in the place with dark or dim light.

Avoid driving on the smooth road with barrier, such as: Snowfield, ice land, wet and slippery floor.

Avoid driving in the place with narrow space or barrier.

Please use in the usage condition that the iMortor conforms to. And please gain the approval of others in case of usage with environment demand.

The usage of iMortor in the unsafe environment isn't allowed. These unsafe environment refers to the site with fire hazard or explosion and other dangerous events incurred due to the inflammable gas, steam, liquor, dust or fiber, etc.

5. Instructions of Battery

In order to furthest prolong the battery service life and improve the battery performance, please use the battery according to the following operations.

5.1 Insufficient battery capacity

5.1.1 When you find that the electricity capacity indicator light on iMortor gear shifters is red and glitters, it indicates that the electricity capacity isn't enough, please promptly charge or apply the leg strength to conduct the auxiliary driving at this time.

5.1.2 Please don't use the battery in case one of the following conditions occurs:

The battery has some unpleasant smell or has too high heating;

The battery leaks any substances.

Please contact the seller's personnel for the disassembly and maintenance of battery. Don't contact any substance leaked from the battery. Don't let children and animals contact the battery. The charger shall be pulled out before the battery installation or driving. It's dangerous to do anything related to the iMortor under the charging condition. Since the battery contains dangerous substance, so don't open the battery arbitrarily, and don't insert anything in the battery. Only the charging equipment in our company could charge the iMortor. The charging to lithium battery which has excessively discharged isn't allowed, because the lithium battery has potential safety hazard, it shall be scrapped. The usage of iMortor battery shall be allowed in the local laws.

5.2 Charging tips

Ensure the charging port is dry.

Long-time charging would influence the battery service life. Pay attention to using the local standard plug.

Please charge and store the battery according to the regulations, otherwise the battery would be damaged, which would influence the battery service life. The charging time of iMortor is about 2 hours, and the overlong charging time would influence the battery service life.

The environment for charging shall keep clean and dry.

Don't charge in case the charging port is humid.

5.3 Over-high or over-low temperature

If you want to make the operation efficiency of iMortor highest, the battery temperature shall be within the temperature scope indicated in the battery specification instructions. The temperature before the charging and in the charging process shall be within the recommended value. The charging efficiency is the highest when the temperature is close to the recommended temperature. In case the temperature is too-low or too-high, the charging time would lengthen or the battery couldn't be fully charged.

5.4 Detailed parameters of battery

Name	Parameter
Battery type	Lithium battery
Charging duration	2 hours
Voltage	36V
Initial capacity	3-4 Ah
Operating temperature	-15-50°C
Charging temperature	0-40°C
Storage time (-15-50°C)	12 months
Relative humidity for storage	5%-60%

5.5 Precautions for transport battery

The lithium battery is the dangerous goods, so please read the local laws and regulations in advance upon transport.

In case you need to conduct the air transport to iMortor with lithium battery or independently transport the lithium battery of iMortor by any other transport method.

6. Warranty Service Scope

6.1 Warranty service scope

6.1.1 The products in our company implement the relevant three guarantees of state. Our company provides the free maintenance, goods exchange and goods return service for the products which conform to the warranty conditions.

6.1.2 The company calculates whether the product is within the warranty validity period from the delivery date by virtue of the effective code.

6.1.3 In case the equipment performance problems occur within 7 days from the sale date and the problems are confirmed, the users could select the maintenance, exchange goods or goods return.

6.1.4 In case the equipment performance problems occur within the warranty period and the problems are confirmed, our company promises the free maintenance.

6.1.5 The complete machine has 1-year warranty period, the battery and charger have 6-month warranty period, and the inner and outer tubes of wheel have 1-month warranty period.

6.1.6 Within the warranty period, the following conditions don't belong to the free maintenance scope, please pay attention to them.

6.1.6.1 Any damage due to the failure of installation or usage according to the instructions.

6.1.6.2 Disassembling and maintenance of products who aren't the authorized personnel in our company.

6.1.6.3 Natural wear which doesn't influence the product functions, such as the wear of shell, tire, etc.

6.1.6.4 Product damage incurred due to the accident or improper usage, such as mechanical disruption, breaking, impact, severe oxidation of products, etc.

6.1.6.5 Damage incurred due to the overload, riding barrier (including but not limited to steps descending, falling, etc.) and extreme sports, etc.

6.1.6.6 Damage incurred due to the disassembly, transport, loading and unloading on the way of customers' return for repair.

6.1.6.7 Any damage incurred due to the abnormal storage conditions such as the fire hazard, liquid soaking, freezing, earthquake, etc. or force majeure.

6.1.6.8 Loss of packing materials, various technical data and other damageable accessories.

6.1.6.9 Faults or damages caused by reasons other than the design, technology, manufacturing and quality of the product.

6.1.7 Our company provides the paid maintenance service for the fault products exceeding the quality guarantee period.

6.2 Service commitments

6.2.1 Kingdowin Science and Technology Co., Ltd. ensures you that the products sold are the licensed quality goods.

6.2.2 The company ensures that the delivery products are produced and inspected according to the relevant state standards, and the relevant function inspections are conducted before delivery.

6.2.3 Ensure to strictly perform and achieve three guarantees of products, and to strictly implement the relevant after-sale service regulations of national industry products.