

# iScooter





UK X02



The pictures in this manual are for reference only.

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**Thank you so much for your support.**



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# I . INTRODUCTION

Read and follow all instructions, warnings, and notes in this manual before attempting to operate your mobility scooter for the first time. If there is any information in this manual which you do not understand, or if you require additional assistance for assembly or operation, please contact with your authorized local provider.

Whether to use your product safely is up to whether you follow the instructions, cautions, and warnings in this manual. We are not liable for any damage and /or injures resulting from individual unsafe operation or failure to follow instructions, cautions, and warnings in this manual.

These symbols below in this manual are used to identify warnings and important information. All of them are very important to your safety. It is strongly recommended that you should read and understand them completely.



## **WARNING!**

***Failure to heed the warnings in the manual may result in personal injury.***



## **ATTENTION!**

***Failure to heed the attentions in the manual may result in damage to the mobility scooter.***

For your safety, please be sure to read all the operating instructions of the manual and follow them strictly when you use the mobility scooter for the first time. These instructions are fully for your vital interests. Comprehending the instructions is the basic protection for operating the mobility scooter safely.

Once you really comprehend how to operate and maintain the mobility scooter, we believe this product will bring you the service without worry and endless fun for years.

We will be appreciated to hear your suggestions for this manual and the evaluation to the safety, reliability of this product and the dealers authorized of this company.

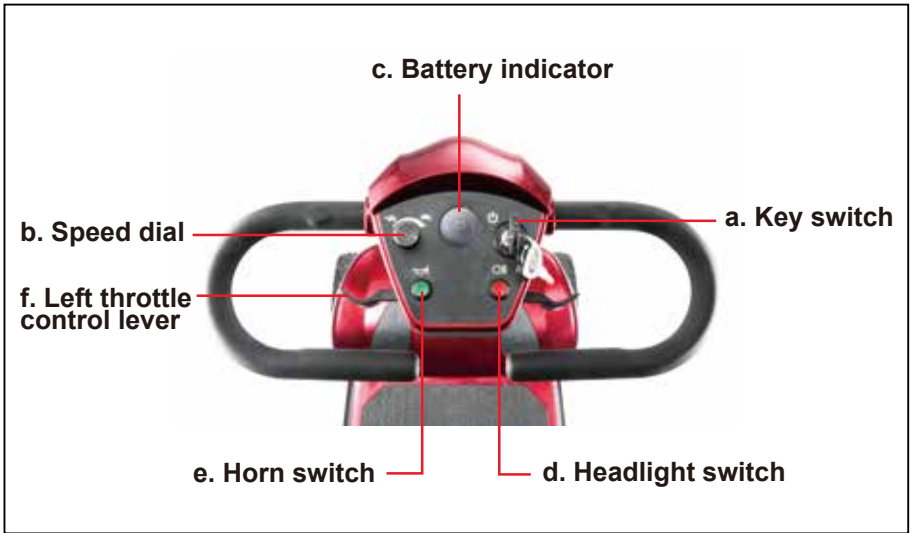
## II . PRODUCT DETAILS

This scooter mainly consists of below parts: scooter body, seat unit, armrests, control panel, steering handles, transaxle, wheels, manual freewheel lever, anti-tip wheels, battery pack, headlight, and controller.

### ▶ PRODUCT OVERVIEW



## ► CONTROL PANEL



### ***a. Key switch***

Turn the key to the “ON” position to turn on the scooter or to the “OFF” position to turn off the scooter.

### ***b. Speed dial***

Turn clockwise to increase the maximum speed or counterclockwise to decrease the maximum speed.

### ***c. Battery indicator***

Turn on the scooter, and the indicator will show the battery level.

- The more lights, the higher the battery level.
- The fewer lights, the lower the battery level.

#### **d. Headlight switch**

Press to turn on/off the headlight.

#### **e. Horn switch**

Press or hold to sound the horn.

#### **f. Left throttle control lever**

Pull the lever to move the scooter backward or push to move the scooter forward. The bigger the angle, the higher the speed.

Slowly release the lever, and the scooter will slow down. When the lever is fully released, the scooter will stop and the brakes will engage.

#### **g. Right throttle control lever**

Pull the lever to move the scooter forward or push to move the scooter backward. The bigger the angle, the higher the speed.

Slowly release the lever, and the scooter will slow down. When the lever is fully released, the scooter will stop and the brakes will engage.



#### **ATTENTION!**

*Before you have mastered operating the scooter, please turn the speed dial to the lowest speed level position.*



#### **WARNING!**

- Do not use the key switch to stop your scooter unless an urgent event occurs.
- If your scooter has stopped for a long period, turn it off to prevent unintended motion.
- If unintended motion occurs, please release the throttle control lever immediately. The scooter will automatically come to stop unless this lever is out of order.

## ► MANUAL FREEWHEEL LEVER

The yellow lever is the manual freewheel lever. Whenever you do not want to move your scooter by motor, you can push the lever to the “Freewheel Mode” position. Move the position of the lever to switch between drive mode and freewheel mode.



### ***Drive Mode:***

When the lever is pushed backward to the “Drive Mode” position, the electronic brake system will engage automatically and the scooter cannot be pushed. You can turn the key to the “ON” position to drive the scooter.

### ***Freewheel Mode:***

When the lever is pushed forward to the “Freewheel Mode” position (alarm sounds will warn you when the key is in the “ON” position), the brake and drive systems will disengage automatically and the scooter can be pushed. You can NOT drive the scooter in this mode.



## **ATTENTION!**

- When your scooter is in the freewheel mode, the brake system is disabled, and the functions of the throttle control levers are inhibited by the control system. Meanwhile, the horn sounds while the power is on.
- Never drive your scooter in the freewheel mode without your attachment. Failure to do so may cause personal injury.
- Never park your scooter in the freewheel mode on any incline. Failure to do so may cause personal injury.



## **WARNING!**

- Do not use the key switch to stop your scooter unless an urgent event occurs.
- If your scooter has stopped for a long period, turn it off to prevent unintended motion.
- If unintended motion occurs, please release the throttle control lever immediately. The scooter will automatically come to stop unless this lever is out of order.



### III. SPECIFICATIONS

|                                       |                              |
|---------------------------------------|------------------------------|
| <b>Scooter Unfolded Size* (L*W*H)</b> | 1100*500*950 mm              |
| <b>Scooter Weight* (N.W.)</b>         | 42.75kg                      |
| <b>Ground Clearance</b>               | 85mm                         |
| <b>Maximum Forward Speed</b>          | 8km/h                        |
| <b>Maximum Weight Capacity</b>        | 120kg                        |
| <b>Tyre</b>                           | Φ197*60 mm solid tyres       |
| <b>Brake</b>                          | Electromagnetic brake system |
| <b>Range per Charge</b>               | 20km                         |
| <b>Battery</b>                        | 24V, 12Ah lead-acid battery  |
| <b>Charger Output</b>                 | DC 28.8V, 1.7A               |
| <b>Motor</b>                          | 24V, 250W                    |
| <b>Controller</b>                     | 24V, 45A                     |
| <b>Max Grade Ability</b>              | 12°                          |

***\*About the scooter size:***

The length is the distance from the anti-collision bar to the anti-tip wheels. The width is the distance from the rear left to the rear right wheel.

The height is the distance from the ground to the top of the control panel when the tiller is adjusted perpendicular to the ground.

***\*About the weight:***

The weight is measured after the scooter is fully assembled (including the basket).

## IV. ASSEMBLY

### ► *Unpacking*

Open the packaging box of your new scooter, remove all protective liners, and then remove the folded scooter from the box.

### ► *Adjusting Tiller Angle*

- a. Loosen the tiller angle adjustment knob.
- b. Adjust the tiller to your desired angle.
- c. Retighten the knob.



## ► **Installing Battery Pack**

- a.** Put the battery pack into the battery tray. Note that the electrode terminals on the battery pack should be aligned with that in the battery tray.
- b.** Then, fully insert the battery pack into the battery tray.

### **Notice:**

- Check and clean the electrodes and remove any foreign objects on them that may cause poor electrical contact.
- Incorrect placement of the battery may cause the scooter unusable.

## ► **Installing Seat Post**



- a.** Insert the seat post into the seat tube.

- b.** Align one of the three holes of the seat post with the hole of the seat tube depending on your desired seat height.





**C.** Insert the pin into the hole of the seat tube.

**d.** Tighten the seat post tightening knob.



## ► **Installing Seat**



**a.** Fully attach the seat to the seat post. (Make sure the seat is facing forward.)



**b.** Check if the seat is locked in place. If not, press and spin the seat until you hear a click.

**C.** Slide the armrests into the tube below the seat. Adjust the armrests to your desired width and then tighten the tightening knobs.



### ► **Installing Basket**



**a.** Install the basket holder on the tiller.



**b.** Slide the basket onto the holder.



**c.** Fully slide the basket onto the holder.



### **WARNING!**

Never perform any adjustments above when driving.

## V. OPERATION

### 1. How to drive this mobility scooter

- a.** Get on the scooter, sit down, insert the key, and turn the key to the “ON” position to turn on the scooter.
- b.** Turn the speed dial according to the road conditions, surrounding conditions, and personal preferences.
- c.** Hold the handles with both hands and slowly pull or push the left/right throttle control lever to move the scooter. (When reversing, always pay attention to the surrounding conditions.)
- d.** To stop the scooter, you only need to release the throttle control lever to return it to the neutral position, and the scooter will stop smoothly.

### 2. Charging

The charger is important to the battery pack. This off-board charger can charge your scooter’s battery pack safely, quickly, and easily.



**\* Turn off the scooter before charging!**

- a.** Park your scooter near to a wall outlet and turn off the scooter.
- b.** Open the charging port cover. (Keep the charging port clean and dry.)
- c.** Plug the output connector of the charger into the charging port.
- d.** Plug the input connector of the charger into the wall outlet. The charger indicator will glow red, indicating the battery is charging.
- e.** When charging is nearly finished, the charger indicator glows green. Charge the battery pack for one or two more hours. (It is recommended to charge the battery pack for 10-12 hours.)
- f.** After the battery pack is fully charged, unplug the input connector of the charger from the wall outlet and then its output connector from the charging port of scooter.



***Tips:***  
*The battery pack can also be charged off scooter.*



## **WARNING!**

***Your scooter's battery pack must be charged with the off-board battery charger supplied by us. Do not use any automotive-type battery charger.***

### ***3. New Battery's Usage***

To break in the new battery for maximum efficiency, please follow the notes here below:

- Fully charge any new battery prior to its initial use. This brings the battery up to about 90% of its peak performance level.
- Operate your scooter throughout house and yard. Drive slowly at first, and do not drive too far until you can skillfully drive your scooter and know how to control the driving distance from the battery indicator.
- Charge the battery for another 10-12 hours and drive the scooter again. The battery will now perform at over 90% of its potential.
- After four or five charging and discharging cycles, the battery pack will top off at 100% charge and last for an extended battery life.

### ***4. Overload Protector***

The overload protector is a safety device on the battery pack. When overload occurs, this protector will automatically trip to protect the motor and other electronic devices. When the protector trips, your scooter will power off immediately. You should wait a minute at least before you can press the button on the protector to resume it. Then, you can turn on the scooter again and drive normally.

### ***5. Charging port***

The charging port is used to connect to the charger. During charging, you cannot drive the scooter.



#### **WARNING!**

***A wrong connection may cause damage to the charger.***



## VI. MAINTENANCE

### ***General Guidelines***

- Avoid knocking or bumping the tiller and controls.
- Avoid prolonged exposure of your scooter to extreme conditions, such as overheat, cold, or moisture.
- Keep the control panel clean.
- Make sure all connectors are tight and secured properly.
- Check all electrical connectors, including the charger's connectors. Make sure they are all tight and are not corroded. The battery pack must sit flat in the battery tray with the battery terminals facing backward and forward each other and with the 3-pin charging port backward.
- After each use, remove the key to reduce unnecessary battery drain.
- This product has a power saving device. When you do not use it for up to 20 minutes, the power will shut off automatically. To drive again, please re-plug the key.
- The body shroud has been sprayed with a clear sealant coating, and you can apply a light coat of car wax to help it retain its high-gloss appearance.
- All wheel bearings are pre-lubricated and sealed. They require no subsequent lubrication.
- To keep your scooter in a better condition, it should be checked before using. It is suggested that your scooter should be checked once per week and half a year as the following table.

## CHECK LIST

Table

| Check Items                           | At any time | Weekly | Monthly | Six monthly |
|---------------------------------------|-------------|--------|---------|-------------|
| All parts                             |             |        | ✓       |             |
| Turning,<br>Driving,<br>Devices, etc. |             | ✓      |         |             |
| Brakes                                | ✓           |        |         |             |
| Connections                           |             | ✓      |         |             |
| Battery<br>Charge                     | ✓           |        |         |             |
| Tire wear                             |             |        | ✓       |             |
| Motors                                |             |        |         | ✓           |
| Console<br>devices                    |             | ✓      |         |             |
| Clean                                 | ✓           |        |         |             |

## VII. CLEANING

**Controller:** Wipe the controller surface with a dry and soft cloth.

**Motor:** Clean the dirt on the surface of the motor, especially the dirt on the lead line of the motor. Avoid wading water. If the depth of water exceeds 5 cm, water will enter the motor, which may permanently damage the motor.

**Body:** The body shroud has been sprayed with a clear sealant coating, and you can apply a light coat of car wax to help it retain its high-gloss appearance.

## VIII. SAFETY

### 1. Check Before Usage

- Check all electrical connections. Make sure they are tight and not corroded.
- Check all connections to the battery tray. Make sure they are secured properly.
- Check the brakes. Make sure they are sensitive and reliable.
- Check the battery level.

### 2. Weight Limits

Your scooter is rated for a 120kg maximum load capacity.



#### **WARNING!**

*Exceeding the weight limit voids your warranty and may result in personal injury and damage to your scooter.*

### 3. Incline Information

- The maximum safe slope of an incline is of 8° for your scooter. If a slope is less than this angle, it is safe whenever the scooter climbs up or down.
- Any attempt to climb or descent a slope steeper than 8° may cause the scooter to tip, resulting in personal injury and/or damage to your scooter.



## **WARNING!**

- When climbing an incline, do not zigzag or drive at an angle up the face of the incline. Drive your scooter straight up the incline. This greatly reduces the possibility of a tip or a fall.
- Always exercise extreme caution when negotiating an incline.
- Don't drive up or down a potentially hazardous incline (areas covered with snow, ice, cut grass, wet leaves, etc.).
- Never drive down an incline backward. This could cause personal injury.

### ***4. Outdoor Driving Surfaces***

Your scooter is designed to provide optimum stability under normal driving conditions, level surfaces composed of concrete, blacktop, asphalt, or hard dirt. But you should avoid driving on the following roads:

- Surfaces that you feel unsure about or soft pavement.
- Tall grass that can become tangled in the running gears.
- Loosely packed gravel and sand beach.
- The max height of curb is 8 cm.

### ***5. Freewheel Mode***

Your scooter is equipped with a freewheel lever that allows the scooter to be manually pushed. For more information, see “MANUAL FREEWHEEL LEVER”.



## **WARNING!**

- Do not set your scooter in freewheel mode unattended. Failure to do so may cause personal injury.
- Do not attempt to set your scooter in freewheel mode while seated on it. Personal injury may occur.
- Do not park your scooter in freewheel mode while on an incline. The scooter could roll uncontrollably down on its own, causing personal injury.

## **6. Electromagnetic Interference**

Electrical devices may be affected by Electromagnetic Interference (EMI) or Radio Frequency Interference (RFI) that are produced by radio waves from radio stations, TV stations, and other radio transmitters. Like any electrical devices, your scooter may be affected by EMI/RFI, especially when your scooter is driven in the interference influence range of these radio transmitters. In this case, your scooter may be out of order due to interference.



## **WARNING!**

If unintended motion occurs due to EMI/RFI. Please immediately turn your scooter off and contact your authorized provider. We are not liable for any damage and/or injuries due to failure to do so.

## ***7. Transfer onto or off Scooter***

To avoid injury, the following safety precautions are useful for you while you attempt to transfer on or off your scooter.

- Remove the key from the key switch.
- Ensure your scooter is not in freewheel mode. Flip up or move away the armrests.
- Reduce the distance between you and your scooter or an object you are transferring onto.
- Turn the front wheels forward to improve your scooter's stability during transfer.



### **WARNING!**

- Before transferring, position yourself as far back as possible in the scooter seat to prevent the scooter from tipping and causing injury.
- Avoid putting all of your weight on the armrests. Failure to do so may cause your scooter to tip, resulting in personal injury.
- Avoid putting all of your weight on the footplate. Failure to do so may cause your scooter to tip, resulting in personal injury.

## ***8. Inclement Weather Precautions***



### **WARNING!**

- Do not operate your scooter on slippery roads with ice or snow. Failure to do so may cause personal injury and affect the performances of your scooter.

- Do not expose your scooter to any type of moisture at any time (rain, snow, mist, or wash). Such exposure will damage your scooter.
- Never operate your scooter if it has been exposed to moisture until it has been dried thoroughly.

## IX. WARRANTY

All of design and production processes of our products are managed in accordance with ISO9001 to guarantee quality.

### ***Warranty Includes:***

- 1. One-year warranty** on the front and rear main frames from the date of purchase.
- 2. One-year warranty** on the following parts from the date of purchase:
  - Electronic control system and the controller.
  - Motor/gearbox assembly.
  - Charger.
- 3. Six-month limited** warranty on the battery pack from the date of purchase.

### ***Out of Warranty***

- ABS shroud worn out.
- Tyres.
- Upholstery and seat.
- Damage caused due to wrong operation, accident, and negligence.
- Damage caused due to improper operation, maintenance, and storage.
- Business or other abnormal use.

# X. CONTACT US

If you have any questions, do not hesitate to contact our after-sales customer service.

✉ [support@iscooterglobal.co.uk](mailto:support@iscooterglobal.co.uk)

🌐 [www.iscooterglobal.co.uk](http://www.iscooterglobal.co.uk)

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## 1. CE Warning

- 1) The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- 2) Children being supervised not to play with the appliance.

## 2. Disposal of Electrical and Electronic Equipment



The crossed-out garbage can means that you are legally obliged to dispose of these devices separately from unsorted municipal waste. Disposal via the residual waste bin or the yellow bin is prohibited. If the products contain batteries or rechargeable batteries that are not permanently installed, they must be removed before disposal and disposed of separately as a battery.

## 3. Options for Returning Old Devices (EAR)

Owners of old devices can hand them over within the scope of the options for returning or collecting old devices that have been set up and made available by public waste disposal authorities, so that proper disposal of the old devices is ensured.

## 4. Declaration of Conformity

Shenzhen Xincheng Times Technology Co., Ltd. hereby declares that the device of type "X02" complies with the legal regulations of the EU Directives 2014/30/EU and 2011/65/EU (RoHS).

For the full text of the EU Declaration of Conformity, visit the link:  
<https://www.iscooterglobal.co.uk/pages/declaration-of-conformity>