

USER MANUAL

Mobility Scooter



Before operating your mobility scooter

Please read the instruction manual thoroughly and save it for future reference

INTRODUCTION

Dear User:

This manual contains information on how to operate each part of the scooter, assembly instructions, and what to do in case of an accident. The symbols used in this manual are explained below. The symbol [⊘] in the illustration indicates prohibited actions and behaviors.

Warning Cautions Suggestions Please read them in detail.

-  This manual contains: inspection and maintenance records, and warranty, please put them in the scooter.
-  If you lend this scooter to others, please give the borrower the manual as well.
-  With updates, all the information and pictures in the manual are based on the factory, if there is any change will not be notified, please understand and support each user.

In the end, we believe that electric mobility scooter brings you not only comfortable driving experience, but more importantly, more convenience and excitement in your life.

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Safety Requirements

■ Before Driving

1. Please drive on the sidewalk; if you are driving on an area without a sidewalk, please drive on the right.
2. When you are in the middle of your journey and suddenly realize that there is no sidewalk in front of you, or if you have to drive in the driveway, please pay attention to oncoming traffic.
3. Do not cross the street.
4. Avoid driving in areas with heavy traffic.
5. Do not drive scooter when you have consumed too much alcohol or are tired.
6. Do not drive at night. If you need to, turn on the headlights and drive carefully.
7. Please obey the traffic signs for pedestrians.

■ Driving Ground

The electric mobility scooter has optimal stability under normal driving conditions (e.g. level ground consisting of dry concrete or asphalt).

1. It can be safely used in parks and grassy areas.
2. Avoid driving on loose gravel, covered soil and sand.
3. If you cannot judge the condition of the road surface, please do not drive on it.
4. The electric scooter can travel over obstacles of a certain height, in which case you must reduce the speed and drive slowly over the obstacles.

WARNING: Exceeding the specified climbing angle and other requirements mentioned in the manual is prohibited.

■ Safety Precaution

1. Please do not drive the scooter without fully reading and understanding the user manual.
2. The electric scooter is limited to 1 person, please do not drive with a passenger.
3. Turn off the power switch when the mobility scooter is not in use.
4. Make sure the seat is locked and secured.
5. Slow down when traveling on uneven rocks or soft ground.
6. Slow down when turning around corners.
7. Do not park on slopes when driving on slopes.
8. Please avoid driving on steep and sharp slopes. Please do not drive more than 100 meters continuously on slopes of more than 10°. If the climbing limit is exceeded, the power supply will be cut off automatically, and you have to restart the circuit breaker protector under the charging port of the battery box before you can go again.

Safety Precaution

9. Please be careful when traveling to the bottom of a slope or just approaching a slope, raised ground, or unprotected edges (e.g., roadside, door contours, stairs).
10. It is prohibited to change the initial settings or modify the electric scooter.
11. Please be careful when driving on busy streets, markets, or shopping centers. It is prohibited to drive in unsafe areas or on roads that are prohibited by law, so please consult with your local government or national agency about the traffic regulations for driving electric mobility scooters.
12. It is prohibited to place the mobility scooter as a seat on a moving vehicle.
13. The battery electrodes, connectors and related accessories contain lead or lead components, so please clean your hands after handling the battery.

⊗ **WARNING: The battery must be protected in freezing temperatures, and charging a frozen battery is prohibited, or it will damage the battery and cause personal injury.**

⊗ **WARNING: Do not drive on icy or slippery ground or on salty ground, otherwise it may cause accidents and personal injuries.**

⊗ **WARNING: Driving on rainy or snowy days when the road is slippery will cause the automatic braking distance to lengthen.**

■ Precaution for use

1. Repair and modification

If you need repair or modification, please contact seller.

2.Original parts

When replacing parts, please specify the original parts.

3.Environmental Protection

Please do not dispose of your scooter and battery at the end of life. If you need to dispose of your scooter or battery, please contact us.

Product Performance

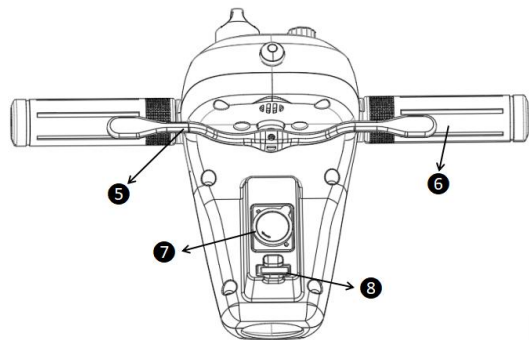
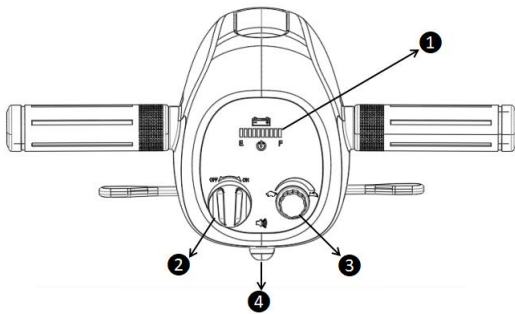
Model	620
Dimension (LxWxH)	1100x440x900mm
Front Wheel	8" PU tire
Rear Wheel	8" PU tire
Speed	6km/h
Height Over Obstacles	40mm
Driving Type	RWD
Braking Type	Electromagnetic
Net Weight	15.3KG
Max Load	150kg
turning diameter	≤2400mm
Safety Climbing Angle	9°
Controller	Brushless 32A
Motor	150W
Charger	DC24V/2.0A
Battery	10AH Lithium Battery
Structure	Removable Battery
Degree of protection	IP24

Main Components



- ① Control Board ② Joint ③ Scooter Shell ④ Front Wheel
- ⑤ Seat ⑥ Battery ⑦ Rear Wheel ⑧ Footrest
- ⑨ Anti-collision Beam ⑩ Standing Frame (optional)

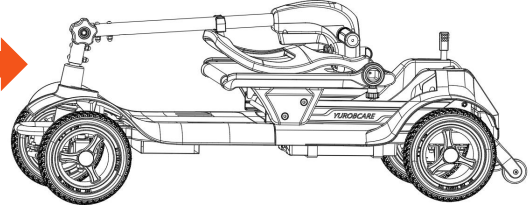
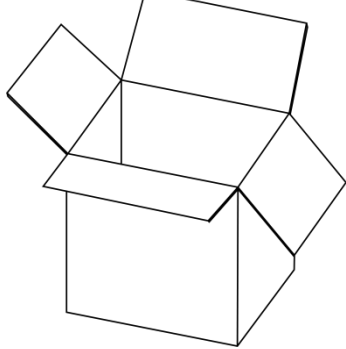
1. Screen



- ① Power Display ② Switch ③ Speed Adjust Switch
- ④ Horn ⑤ Joystick ⑥ Handle ⑦ Charging Port ⑧ Fuse

Mobility Scooter Use

1. Unpack



2. Installation:

1) Lift the lever to a comfortable Angle and turn the knob at the bottom of the lever to lock (FIG 1);

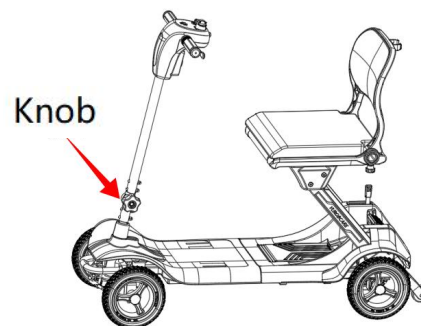


FIG 1

2) Pull the seat back up, and then push it forward again after it is fully pulled up. If the seat does not tilt forward, it means the seat is locked (FIG 2 and FIG 3).;

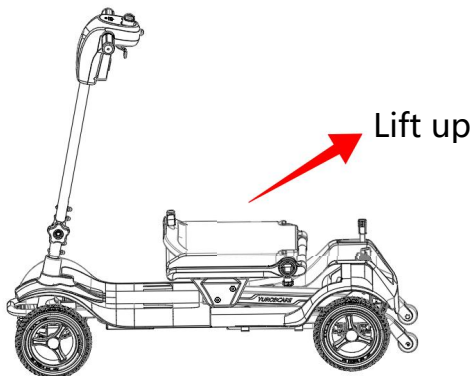


FIG 2



FIG 3

⚠ Caution: Please check carefully before riding to ensure that the lever and seat are locked. If the lever and seat are not locked, driving the scooter may cause personal injury.

Mobility Scooter Use

3. Battery Installation:

Hold the handle of the battery box, align the battery interface with the interface of the mobility scooter (FIG 5), put the battery into the slot, and release it after it is locked;

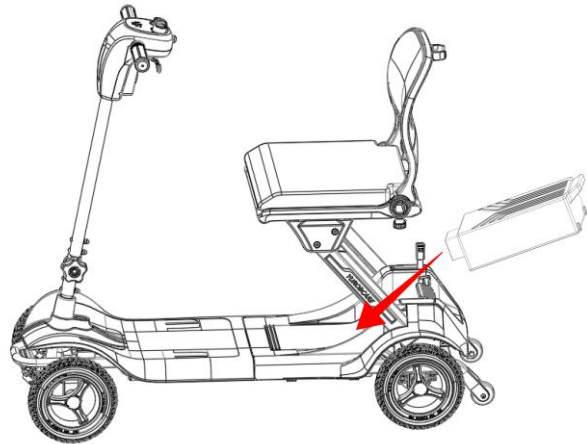
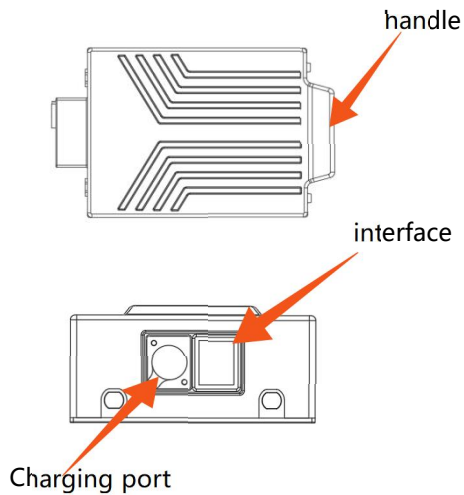
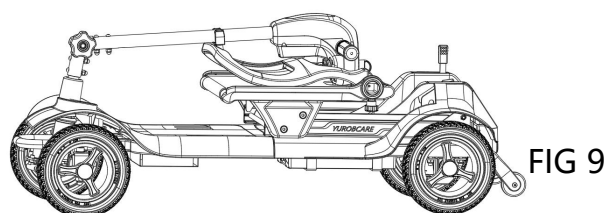
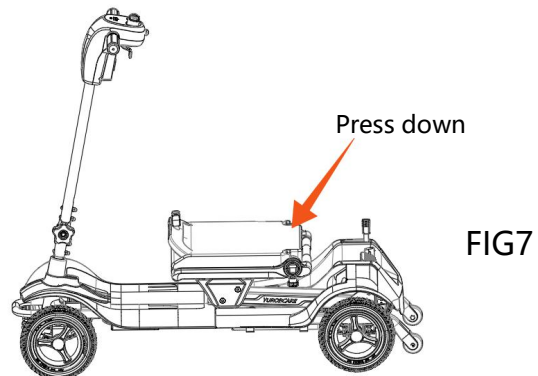
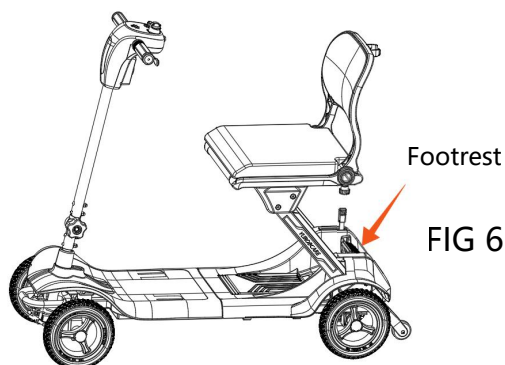


FIG 5

⚠ Caution: After installing the battery box, ensure that the battery box is fully in the slot.

4. Folding:

Step on the pedal (FIG 6), hold the seat with both hands and press down until the seat is folded and lower the backrest (FIG 7); Hold the lever, loosen the knob (FIG 8), and then lower the lever to complete the folding of the whole vehicle (FIG 9)



Operating Instructions

■ Control Board

The control board is equipped with switch, power display, speed adjustment switch, joystick, charging port, fuse and other components.

1. Switch

〔ON〕 Power on, driveable.

〔OFF〕 Power off, unable to drive.

⊗ **WARNING: If the power is turned off while the mobility scooter is moving, the electromagnetic brakes will activate and the mobility scooter stops suddenly.**

2. Power Display

Turn on the power switch, the battery meter will show the battery power. The green part indicates a strong power, the yellow part indicates a weak power, and the red part indicates a low power that needs to be charged in time.

3.Speed Adjust Switch

The speed regulator can be adjusted to set the forward speed at will. When the knob is adjusted to the far left, it is the slowest speed setting, and the symbol is a turtle. When the knob is adjusted to the far right, it is the fastest speed setting, the symbol is a rabbit.

3. Forward, Rear, Brake

Push the Joystick by right hand, then the scooter will move forward. Push the joystick by left hand, the scooter will move backward. The horn will sound a warning sound when the scooter moves backward. When the joystick is fully released, it will automatically stop at the "center" position, and the electromagnetic brake will automatically stop the scooter.

5.Charging Port (On control board or on the battery box)

Battery Charging Function

■ Other Parts

1.Fuse

When a short circuit occurs, the fuse blows, protecting the safety of the entire circuit

2.Brake Lever

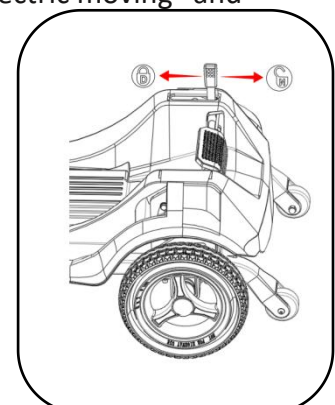
The clutch and release of the brake can be used to switch between "electric moving" and "hand-push moving".

〔Electric moving〕 : pull the brake lever back to lock.

Motor driving

〔Hand moving〕 : Pull the brake lever front to unlock

Moving by hand



Operating Instructions

If you are ready to start the scooter and it can't move forward, but only the alarm sounds, please check whether the brake lever is in the closed position.

⊗ **Warning: Do not unlock the brake lever when going downhill..**

■ Driving method

1. Start,moving.
 - 1) Check that the brake lever is in the closed position.
 - 2) Check whether the seat is installed correctly and whether it is loose.
 - 3) Turn the power switch to "ON" first.
 - 4) Check the remaining power of the battery with the battery meter. If it is out of power, please charge it.
 - 5) Adjust the speed regulator to the required speed.
 - 6) Confirm the safety of the surrounding environment and road conditions.
 - 7) How to operate the joystick : Push the Joystick by right hand, then the scooter will move forward. Push the joystick by left hand, the scooter will move backward.

⚠ **Caution:**

- 1) Please turn the power switch to "OFF" when getting on or off the scooter.
- 2) Do not use both hands to operate the joystick to accelerate.
- 3) Do not turn the power switch to "OFF" while driving, as it may cause emergency braking and fall.
- 4) Please drive at a low speed when using indoors.
- 5) Please drive carefully in crowded places with heavy traffic.
- 6) When reversing, please pay attention to the people and obstacles behind you.

■ Stop

- 1) Joystick operate: When the joystick is fully released, it will automatically stop at the "center" position, and the electromagnetic brake will automatically stop the scooter.The braking distance on flat roads is 30 cm.

⚠ **Caution:** The braking distance will vary depending on driving conditions, so if you need to stop, please brake in advance.

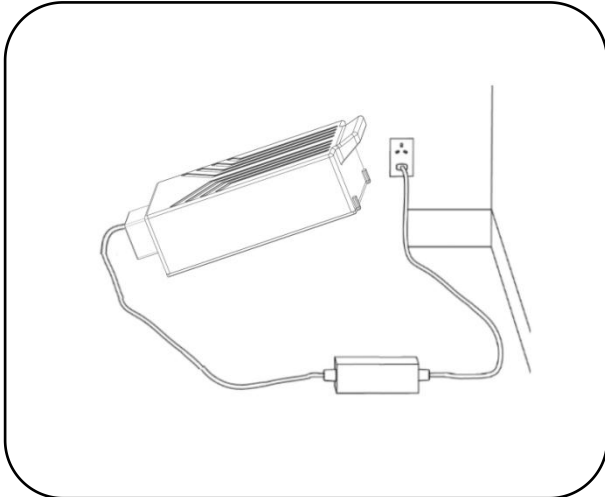
- 2) Turn the power switch to "OFF".

Battery and Charging Method

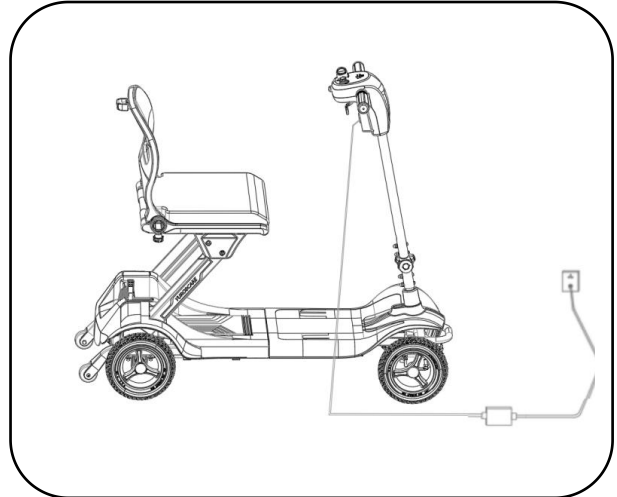
■ Charger

The charger is used to charge the scooter. You can directly charge it by connecting it to the charging port of the controller, or you can directly connect it to the battery for charging.

Charging Method 1



Charging Method 2



1. Follow the instructions below to complete the charging process:

Step 1: Check the charger socket to make sure it is not blocked.

Step 2: Make sure the vehicle switch is turned off.

Step 3: Unplug the power plug on the controller from the battery box.

Step 4: Plug the charger output plug into the slot above the battery box.

Step 5: When the green light on the charger is on, it means the battery has been charged.

Step 6: Unplug the charger output plug from the slot above the battery box

After the charger is powered on, connect it to the battery and Maximum 24 hours of charging, which ensures that the battery is fully charged. When the charger is disconnected from the power supply, please remember to unplug the wires connected to the controller to avoid power loss. When the scooter is not in use, please charge it once a month to prevent the battery life from being shortened.

⚠ Caution

Charger Model: HP0810WB;

Charger Input: 220V AC 50Hz 2.7/1.7A

Charger Output: 24V DC/2A

Battery and Charging Method

1. The charger indicator has 3 states:

- 1) Green: Power on;
- 2) Red: Charging;
- 3) Green: Fully Charged;

Please note that the electric scooters have a safety circuit to prevent walking during charging. If the scooter does not drive normally after charging, please check whether the battery charger is disconnected from the charging terminal. The charger must be kept in a dry environment at a temperature between -25°C and 40°C and should not be subject to mechanical damage. In all cases, the charger must only be repaired by an authorized dealer.

⊗ **Warning**

You can only use our original charger. Using other chargers will affect the product warranty. Using unapproved chargers can cause serious damage to the battery or scooter. Using the wrong charger may even pose a fire hazard.

Handle and dispose of batteries and chargers with care.

Do not throw batteries into fire. Dispose of exhausted batteries in accordance with local regulations.

Do not place batteries around heating equipment. Overheating may cause the battery to explode.

Do not squeeze or puncture the battery. Do not subject the battery to external high voltage, otherwise it may cause internal short circuit or overheating.

⊗ **Warning**

Do not charge the battery in an environment with smoking or open flames; do not touch the metal terminals of the battery; use only specially matched batteries. If the battery is damaged or the battery box is obviously damaged, contact your local dealer immediately and do not try to repair it yourself.

⊗ **Dealer Warning**

When handling leaking batteries, please wear insulating gloves and goggles. Damaged and leaking batteries should be replaced in a timely manner.

■ **Battery**

The scooter is equipped with a maintenance-free, rechargeable battery. If the battery appears damaged, handle it with care. **CAUTION!** Battery fluid is corrosive, avoid direct contact with it. In case of contact with skin or clothing, rinse immediately with soap and water. In case of contact with eyes, immediately rinse eyes with water for at least 10 minutes and seek medical attention. In this case, call your local dealer

Battery and Charging Method

for assistance. Do not dispose of batteries as normal waste, in accordance with local laws

1. Maintenance

This is the type of battery used internally. It uses a gel electrolyte that is completely sealed. As the name suggests, no maintenance is required except for normal charging. The sealed nature of the battery case allows you to transport it safely without worrying about electrolyte spills. In addition, the battery is approved for transport on airplanes, ships, and trains. Proper transportation and storage are recommended. Only use batteries provided by authorized dealers.

2. Battery Tracking

We have developed a maintenance plan to repair batteries.

Note: Do not expose the battery directly to high temperature, and place the battery on a hard surface in a well-ventilated room when charging. Do not charge in outdoor conditions. Do not smoke near the charging area. Eliminate all open flames from the area. Do not allow the battery to be stored at low temperatures.

3. Battery Box Maintenance

- 1) Only use an approved charger to charge the vehicle.
- 2) Do not interrupt the charging cycle.
- 3) If you do not need to use your scooter, you should charge it regularly, which will not damage the battery. When the power is cut off, please do not leave the charger plug connected to the joystick terminal, which will drain the battery.
- 4) If you leave your scooter (more than 5 days), your battery should be charged for the first time for 12 hours, then unplug the charger and make sure the battery is disconnected.
- 5) Improper full-load charging will damage the battery, which can result in reduced driving range and permanent failure.

⚠ Caution

Remember to unplug the vehicle when charging is complete to prevent it from moving. Do not operate the scooter while charging.

The battery needs to be checked regularly for signs of damage. If there is any obvious damage please contact your local dealer immediately.

⚠ Caution

Be careful not to short-circuit the battery terminals! Before checking the battery, keep away all jewelry that conducts electricity (e.g. watches, necklaces, etc.).

All of the above will benefit your battery, giving your car longer mileage and extending the life of your battery.

Inspection and Maintenance

■ Routine Maintenance

Before driving, please be sure to carry out the following inspection items. If any abnormalities are found, please check it yourself or have it checked by the agent before use.

Item	Contents
Handle	Is it loose? Can it turn left and right smoothly?
Speed adjustment button	Is it rotation Normally?
Joystick	Can it move by pushing and stop by returning to the center position?
Electromagnetic	The brake lever can be pushed smoothly.
Power meter	Is the battery indicator lighted? Is the battery level sufficient?
Horn	Is there any sound of the horn?

⚠ Note: If you think there is something abnormal, please contact ULOBU for inspection and maintenance.

1. Battery Cleaning

If the battery is contaminated with water droplets, battery fluid, dust, etc., it will be easier for the battery to discharge. Therefore, please clean it in the following order.

- 1) Turn the power switch to "OFF".
- 2) Open the outer shell, take out the battery, and remove the dirt with a clean cloth.
- 3) If there is white powder on the terminal, wipe it with warm water, and then install the battery in the reverse order of disassembly.

Note: If the scooter is not used for a long time, charge it once every month.

2. Fuse

Turn the power switch to "ON" and the battery indicator shows no indication. Please check the fuse in the battery box.

3. Maintenance

- 1) Regularly check the insulation of all wires and the tightness of wire connectors.
- 2) Avoid moisture in all electronic control components, otherwise they must be completely dried before use.
- 3) Please use a soft cloth to wipe the dirt on the vehicle body, and avoid using water to clean the scooter body directly.

Warranty Conditions

■ Warranty Conditions

1. Repair or replace with an authorized supplier/service agent.
2. To meet the warranty conditions, please meet the following requirements and fully report the problem to the dealer or our company as soon as possible. Your mobility scooter can be serviced by our company during the warranty period.
3. From the date of purchase of the product, frame warranty period is 3 years, the warranty period of other parts is 1 year. Within the warranty period, defective parts of the product can be replaced free of charge at our service center.

Caution: This warranty is not transferable.

4. Any repaired or replaced parts are eligible for corresponding services within the warranty period of the mobility scooter.
5. The customer can purchase the replaced parts on his own and extend the warranty period for another 3 months after the original warranty period expires.
6. The natural wear of the parts is not covered by the usual warranty unless there is clear evidence that such wear is caused by the manufacturer. These items (parts) include decorative parts, internal pipes, batteries, armrest pads, handles and other similar parts.
7. Under normal circumstances, the seller does not assume the responsibility for repair or replacement of parts caused by the following situations:
 - 1) The scooter or parts have not been maintained according to the manufacturer's recommendations or the original equipment has been used incorrectly;
 - 2) The scooter parts have been damaged due to negligence, human accidents or other improper use;
 - 3) The scooter or parts have been modified to be different from the original specifications and parameters, or have been repaired by ourselves before going through our company's service department.

⚠ Please save the address and phone number of our service center. If a failure occurs, please contact them and describe all the details in detail so that they can provide assistance quickly.

We recommend that you do not perform maintenance tasks on the scooter other than those described in the manual. Our service center is trained and can provide careful maintenance when repairs are required. Please only use accessories provided by our company. All replaceable parts are in stock. Users must not replace any parts on their own.

Caution: If there is any defect in material or manufacturing, please repair it free of charge and provide lifetime maintenance according to the period and conditions marked on this warranty card.

■ Warranty not applicable

1. It can be considered as a sensory phenomenon with no functional impact.
2. Discomfort due to wear and tear or changes over time (natural fading and deterioration of painted surfaces, plated surfaces, resins, etc.).

Warranty Conditions

■ Discomfort due to the following matters is not suitable for warranty

1. Failure to carry out the regular inspection and maintenance specified by the company.
2. Improper or incorrect maintenance and maintenance.
3. Using operating methods different from those indicated in the user manual and overloading (overloading, carrying capacity, etc.).
4. Unauthorized modification without the company's permission.
5. External factors such as soot, chemicals, bird droppings, acid rain, flying stones, metal powder.
6. Natural disasters such as typhoons, floods, fires, earthquakes, etc.

■ The following expenses are not covered

1. Replacement and replenishment costs of consumables and grease (tires, fuses, various plastic products, glass products, lubricants, and other items of this type).
2. Costs required for inspection, adjustment, oiling, cleaning, etc.
3. Regular inspection and maintenance costs specified by the company.
4. Unauthorized modification without the company's permission.
5. Repair costs incurred outside the company's authorized maintenance center or after-sales service outlets.

■ Customers should comply with the following

The following are the obligations that customers must comply with in order to receive after-sales factoring:

1. Operate correctly according to the operating methods shown in the operating manual.
2. Perform daily inspections.
3. Perform inspections and sorting specified by the company.

■ Warranty acceptance

When warranty is required, please take the mobility scooter and warranty card to our after-sales service center to apply for warranty. Warranty cannot be accepted without the warranty card.

■ Warranty and validity

1. This warranty card will be effective upon stamping and filing from the date of purchase.
2. This product is warranted for 1 year under normal operation.
3. Consumables (such as: batteries, seat back pads, tires, armrest pads, etc.) are not covered by the warranty.

Note: Please repair for free within the period specified in this warranty card. If the problem is beyond the expiration date, repair will be charged. Please contact our customer service department for the charging standard.

Warranty Conditions

This section is to help you keep records of subsequent service and repairs to your scooter.

Customer: _____					Purchasing Date: _____				
ADD: _____					Model: _____				
_____					Color: _____				
Post Code: _____					SN: _____				
Year	1	2	3	4	Year	1	2	3	4
Servicing date					Servicing date				
Controller					Cushion				
Switch					Seat				
External Socket					Backrest				
Operate					Armrest				
Dynamic Braking					Tires				
Program Settings					Abrasion				
Battery					Bearings				
Horizontal					Nut				
Connection					test				
Discharge Test					Forward				
Motor					Backward				
Line					Emergency Stop				
Noise					Turn Left				
Connection					Turn Right				
Brake					Uphill downhill				
Electronic Brake					Obstacle				
Bottom Frame					Park				
Conditions					Repair/Adjustment Item List				
Operate									
Components									
Connection									
Light									
Company					Company				
Date: _____ Signature: _____					Date: _____ Signature: _____				
Company					Company				
Date: _____ Signature: _____					Date: _____ Signature: _____				

Fault Resolution

■ Controller fault sound mapping table:

Diagnostic sound	instruction	solution
1	Charging prohibited or braking state	Check if the charger is plugged into the scooter.
2	Low Power	Check if the battery is sufficiently charged, and recharge if necessary.
4	Motor Hall Fault	Check if the connection is firm. If it is firm, usually the motor is broken and needs to be replaced.
5	Magnetic brake not detected	Check whether the connection is firm. If the connection is firm, usually the motor is broken and needs to be replaced. If necessary, replace the brake. If the brake is normal, it may also be the controller.
6	Accelerator fault	Check the accelerator cable or replace the accelerator
7	Accelerator abnormality	Check the accelerator cable or replace the accelerator
9	Controller Fault	Replace the controller

Other Precautions

■ Product maintenance and maintenance methods, special storage, transportation conditions, methods

The user's mobility scooter maintenance includes: cleaning, checking tires, batteries and charging. Further maintenance is left to customer service personnel. We recommend: checking every six months and overhauling once a year.

■ Cleaning scooters and tires, battery maintenance

Cleaning

Wipe with a damp cloth once a week.

Tires

Please check the wear of the inflatable tires regularly. When the tread depth is one millimeter, please replace the tires.

The tire inflation pressure is $250\text{kPa} \pm 20\text{kPa}$. When inflating, there should be an inflation pressure gauge to indicate the inflation pressure.

Battery

Please make sure the battery is charged regularly. We recommend not charging the battery until it is completely drained to avoid shortening the battery life.

■ Storage

When you need to store your mobility scooter for a long period of time (more than 1 week), you need to charge it for 12 hours and disconnect the battery to minimize battery discharge.

■ Transportation

Your mobility scooter can be quickly and easily disassembled and transported, ensuring convenient and safe transportation:

1. Turn off the power and keep the brake handle engaged;
2. Put down the seat and the front of the scooter;
3. Lift the scooter with both hands and put it in the luggage compartment;

■ Package

1. The vehicle can be simply fixed in a transport box for transportation, but in order to ensure the safety and reliability of your vehicle during transportation, we recommend that you use the packaging cartons we provide and then fix it in a box for transportation.

2. When reassembling the vehicle, follow the above reverse operation.

■ Important

1. Always make sure your scooter's components are secure before transporting. Make sure the rear wheel brake handle is in the brake position before transporting to prevent the scooter from moving. Do not sit on the scooter during transport.
2. When reassembling the scooter, follow the above steps in reverse.

Other Precautions

■ Packaging and transportation environmental conditions

1. Do not place in high temperature, humidity, direct sunlight.
2. Transportation and storage
 - 1) Ambient temperature range: $-10^{\circ}\text{C} \sim 45^{\circ}\text{C}$;
 - 2) Relative humidity range: $\leq 80\%$;
 - 3) Atmospheric pressure range: $860\text{hPa} \sim 1060\text{hPa}$
 - 4) Storage period: 5years.