

Instructions for the use of electric wheelchairs

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- Distributor: This instruction manual must be given to users of electric wheelchairs.
- User: Before using this electric wheelchair, please read this Instruction guide and keep it for use.
The ★ mark in this manual should require special attention, please operate correctly.

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**Thank you for purchasing our company's
electric wheelchairs**

The illustrations used in this manual are to illustrate the operation method and structure of the product. In case of slight differences between the actual product and the diagram, please refer to the actual product as the standard. In order to improve the quality of the product, we may modify some of the structure and appearance of the product without prior notice. Please understand.

Use guidance

This wheelchair is driven by a brushed DC motor and is suitable for both indoors and outdoors (it is recommended not to use it outdoors for a long time). Mobility aids available for disabled and elderly people. It is a small, light, foldable, portable, safe and comfortable electric wheelchair.

User :

Without reading and understanding this instruction manual in advance, please do not use and operate this electric wheelchair without understanding the electric wheelchair. If you cannot understand the warnings and instructions, please contact the general distributor for professional technical guidance and assistance, otherwise it may cause danger and injury due to misoperation. In addition, it can also be guided by professional and technical personnel with vocational and technical qualifications to complete this operation.

Dealers and professional technicians :

Without reading and understanding this instruction manual in advance, please do not use and operate this electric wheelchair without understanding the electric wheelchair. If you cannot understand the warnings and instructions, please contact the general distributor for professional technical guidance and assistance, otherwise it may cause danger and injury to users due to operating errors.★

To the user book

Dear customer :

Thank you for purchasing the electric wheelchair of our company. The electric wheelchair you own has excellent quality such as excellent comfort and lightness in design and manufacture.

An electric wheelchair will bring you the freedom of movement you deserve, and it will become your most trustworthy and dependable friend.

Before you operate the electric wheelchair for the first time, please read this instruction manual carefully. This instruction manual will help you understand the performance and operation of the electric wheelchair, as well as proper maintenance. When you use the electric wheelchair, if you need further help and advice, or if you cannot control the electric wheelchair well, please contact your general distributor or manufacturer for better guidance and assistance.★

Safe mark

The following symbols can help you identify some warning operations, mandatory operations and prohibited operations of electric wheelchairs. It is very important to fully identify and understand them.

	Read and follow the instructions of this instruction
	Warning signs for safety; or indicate a dangerous operation that may hinder the safety of you or others
	Class II (auxiliary) equipment
	Main application part
	Do not use a cell phone, walkie-talkie, laptop, or other wireless transmitter while running
	Easy to crush point
	Avoid contact with rain, snow, ice, salt and be placed in water and shall be maintained in clean, dry conditions
	This product has passed the electromagnetic / RF resistance of 20 V / m
	The battery contains corrosive chemicals
	There is a possibility of an explosion
	Do not use different capacities and models of batteries at the same time, do not mix old batteries to replace all batteries.
	Keep the tool and other metal items away from both ends of the positive and negative stages of the battery. If it contact both ends, it will cause short circuit and electric shock
	Note is flammable material, do not be exposed to heat sources such as open flame or sparks. Do not transport batteries together with flammable, explosive or combustible materials
	Disposal and recycling--Xuzhou Century Shichuang Medical Devices Co., Ltd. has been authorized to recycle and process. The company will recycle and process the product and its packaging after receiving the user's request.

Product structure



- ① Upper controller

② Cup holder

③ Cushion

④ Lithium battery

⑤ Light

⑥ Storage bag

⑦ Pedal

⑧ Front wheel

⑨ Backrest cushion with storage bag

⑩ Armrest

⑪ Side pocket

⑫ Taillight

⑬ Lower controller

⑭ Fender

⑮ Rear wheel

⑯ Anti-roll wheel

⑰ Motor

Technical parameters

Basic parameters	
Expanded size (L x W x H)	1100×600×1000mm
Folded size (L x W x H)	360×600×800mm
Maximum load bearing	150kg
Weight (including two batteries)	32.3kg
Frame material	aluminium alloy
Seat back cushion	
Whether it is flame retardant	flame retardant
Whether it can be washed	not washable
Motor	
Type	DC brushless motor
Rated power	250W
Input voltage	DC 24V
Brake system	Smart Electromagnetic Brake
Quantity	2 PCS
Battery	
Type	lithium battery
Standard capacity	6Ah×2 PCS
Controller	
Type, plug type	Auxiliary type/European standard, 2 cores
Output voltage/current	DC 24V, 2A
Front wheel	
Outer diameter/tire width	8"×1.7"(195mm x 45mm)
Type	solid tire
Quantity	2 PCS
Rear wheel	
Outer diameter/tire width	12"×2.2"(320mm x 55mm)
Type	solid tire
Quantity	2 PCS
Performance	
Maximum gradeability	12°
Recharge mileage	24km/2 PCS
Maximum speed	6km/h
Turning radius	835mm
Highest obstacle capability	40mm

Battery interference information

WARNING

It is important to read and understand the possible effects of electromagnetic interference on electric wheelchairs.

This chapter will explain to users the problems caused by known electromagnetic interference, so as to help users understand and take corresponding protection measures to avoid or minimize risks. Some of the content refers to unexpected accidents that may occur under certain circumstances or conditions.

• Electromagnetic interference from radio waves

Electric wheelchairs are susceptible to electromagnetic interference. Sources of interference include electromagnetic energy emitted by equipment such as radio stations, television stations, radio transmitters, two-way radios, and mobile phones. The interference of these electromagnetic waves may cause the brakes of the electric wheelchair to fail or lose control, causing it to move by itself or lose direction control, and may also cause permanent damage to the control system of the electric wheelchair. The ability of products to resist electromagnetic interference and destructive capabilities is particularly important. This electric wheelchair has passed the electromagnetic interference test with a resistance strength of 20 V/m when it leaves the factory. It has high anti-interference ability and can resist some common radiation electromagnetic interference in life.

ATTENTION

1. Although this electric wheelchair has anti-interference ability, users still need to abide by the following rules when using it: When the electric wheelchair is powered on and working, do not operate portable transceivers, receivers, radios such as citizen band (CB), or turn on Personal communication devices such as mobile phones, etc.

2. Try to avoid being close to radio wave emission sources, such as radio stations and television stations.

3. In case of uncontrolled movement or stopping, the power should be turned off in time. And please contact the manufacturer.

Do not make any changes to this electric wheelchair by yourself, including adding or removing accessories, so as not to reduce its anti-interference ability.

Safe use guide

WARNING

Rider:



Before using this electric wheelchair, you should keep tools and other metal objects away from the positive and negative terminals of the battery. If they touch the two terminals, it will cause short circuit and electric shock.

1. Training and professional guidance for health care personnel on safe use.
2. Before starting to drive this electric wheelchair, you should first understand and feel this electric wheelchair.
3. You should practice moving forward, turning, overcoming obstacles, braking and other operations with the help of the nursing staff until you can perform these operations independently, proficiently and safely.
4. If you cannot confirm the safety, please do not try new actions.
5. Understand the place where the electric wheelchair will be operated, check whether there is danger in the area, and master the methods to avoid these dangers

WARNING

Escort:

1. You need to cooperate with the passenger and listen to the opinions of the passenger's doctor, nurse or physical therapist to formulate a set of safest methods suitable for the passenger's ability.
2. When pushing the electric wheelchair by hand, you must turn off the electromagnetic brake switch so that the wheelchair is in a manual state, at this time, the brake on the controller will not work at all★
3. When pushing this electric wheelchair, you must use the push handle behind the backrest. It provides a safe and secure point of application to prevent the wheelchair from tipping over when you push it. You should check the push handle to make sure it does not spin or slip off When helping a rider over an obstacle: To prevent injury to the rider's back, keep the rider in an ergonomically correct position. When you lift or support an occupant or a reclining power wheelchair, you can bend your knees slightly and keep your back vertical.
4. Before each action operation, you should tell the passenger what you plan to do, explain the reason, and tell him what you want him to do. This will prepare occupants and reduce the risk of accidental injury.

5. Take the curb steps or stairs that go straight up and down. If you turn a corner and climb up or down, there is a possibility of falling and tipping over.
6. When you are going to lift the electric wheelchair backward, remind the occupant to lean against the back.
7. The electric wheelchair should go down the steps slowly to prevent injury to the occupants and damage to the electric wheelchair. And please keep the road smooth.



WARNING

Precautions for using the wheelchair in a stationary state

1. When the electric wheelchair stops, even if it is only for a short time, please be sure to turn off the power. This prevents:
 - Unexpected movement of the wheelchair by you or someone else accidentally touching the joystick.
 - Interference from unexpected electromagnetic sources affects the normal use of the electric wheelchair.
2. Make sure other people, including those helping you (e.g. shop assistants), know the joystick and know not to touch it to prevent sudden unwanted movement of the power wheelchair.



WARNING

Use environment

This electric wheelchair is not suitable for use and storage in heavy rain, snow or icy environment.

1. Exposure to water or excessive humidity can cause electrical failure. Frames, motors and other electric wheelchair parts are not completely waterproof and may rust or corrode from the inside.

To prevent the electric wheelchair from failing:

- Try to avoid placing or using this electric wheelchair in direct impact by water (such as heavy rain) or in a very humid environment. ★
- Please do not use this electric wheelchair when bathing, sauna and swimming.
- Please do not use this electric wheelchair near water sources such as rivers, lakes or oceans.
- Make sure the battery cover is closed.
- If the joystick is damaged, replace the joystick unit.
- Make sure all electrical connections are secure and not loose.
- Do not wash this electric wheelchair with water. If the electric wheelchair has been soaked, please remove the battery and let the electric wheelchair dry as soon as possible, and make sure it

is dry before inserting the battery before using it.

2. If you have to operate the electric wheelchair on wet or slippery ground, please be careful and keep moving slowly.
 - You must be sure it is safe to do so.
 - If one or both main wheels lose traction, you must stop immediately to prevent the power wheelchair from losing control or falling over.
 - Do not drive on slopes or ramps that have snow, ice, water, or oil on them.
 - Ask someone to help you when you are in doubt and cannot be sure it is safe.
3. When you are not using it, please turn off the power of the electric wheelchair, fully charge the battery, and put it in a clean and dry place. ★



WARNING

Applicable road

1. This electric wheelchair is only suitable for road driving on concrete, asphalt and indoor floor surfaces.
2. Do not use on sandy soil, loose soil or rough and rugged terrain to prevent damage to wheels, bearings, shafts or motors and other components, as well as possible loosening of fasteners.

Road driving

In most countries and regions, electric wheelchairs are not legal to drive on public roads.

It is important to be aware that power wheelchairs are dangerous on roads or in car parks.

1. In order to make it easy to identify when used at night, reflective paper is pasted on this electric wheelchair and equipped with lighting and taillights (as shown in Figures A1 and A2). Riders can also wear reflective clothing.
2. When crossing another vehicle, make sure the driver of that vehicle notices you. Make eye contact with the driver to let the driver know your intentions before you proceed until you are sure it is safe to do so.



**WARNING**

About riding in a motor vehicle

1. Try not to drive an electric wheelchair to take transportation, such as buses, subways, trains, airplanes, and ships.
2. If you must drive an electric wheelchair to take a vehicle, you should be accompanied by someone, find a reliable place to park, fasten your seat belt, and turn off the power of the electric wheelchair.
3. If the occupant is driving an electric wheelchair alone, he should try to find a place where the wheels or body of the electric wheelchair can be fixed to avoid injury when the vehicle brakes suddenly or a traffic accident occurs.
4. Do not place the electric wheelchair in the front row of the vehicle, so as not to interfere with the driver's driving.
5. **When getting on and off the bus, if you need to lift the occupant and the wheelchair together, please hold the edge of the seat cushion frame with your hand, and do not hold the armrest or the backrest to carry it. ★**

**WARNING**

Ride balance

When in use, the electric wheelchair should maintain a balanced and stable center of gravity to avoid tipping over during forward and backward.

The balance of the center of gravity is affected by the following factors:

1. Seat height and seat angle
 2. Changes in the occupant's body position, posture or weight distribution
 3. The slope of the ramp or ramp
 4. Whether to use a backpack or other items to change the total weight and weight distribution of the wheelchair
- If you need to modify or adjust this electric wheelchair, please consult your dealer in advance, and must obtain the authorization of the manufacturer. For modified wheelchairs, additional adjustments may be required to correct the center of gravity. Use a modified wheelchair with extreme caution until you are familiar with the power wheelchair's balance points and how to avoid falling or tipping over.

**WARNING**

Precautions for getting in/out of a wheelchair

It is dangerous for the occupant to move his body by himself, and it requires good balance and flexibility. Note that you must have a point of support that is not lower than the cushion surface of the wheelchair you are sitting on every time you move your body on your own.

Avoid falls:

- Be sure to turn off the power when you are going to move to the electric wheelchair. Otherwise, if you touch the joystick, it may cause the power wheelchair to move unintentionally ★
- Make sure the motors are locked so the wheelchair cannot move on its own.
- Learn the safest ways to move your body from your health care professional.
- Learn how to position your body and how to support yourself during transfers.
- Have someone help you until you are sure you can get in and out of the wheelchair safely by yourself.

The correct way to get on/off the wheelchair:

1. Move your electric wheelchair as close as possible to where you are going to sit. Use a converter board if possible.
2. Swivel the front casters so that they are as far forward as possible.
3. Do not stand on the footrest to move your body, which will cause damage to the wheelchair.
4. Make sure your feet are not caught or caught between the gaps in the pedals.
5. Avoid disturbing your body movement by adjusting the position of the armrest (as shown in Figure B1, B2).
6. You should transfer to the seat or the place you are going to sit as soon as possible, which will reduce the risk of you missing the seat and falling.



Lift the armrest up while pressing the button to release the buckle



Just let go after lifting to the maximum height. If you want to return to the original position, press down on the armrest until it snaps into place

**WARNING**

Precautions for passenger sitting posture

Reaching out and leaning your body will affect the balance of the center of gravity of the electric wheelchair, and if you do not do it correctly, it may cause you to fall or fall over. Here are a few key points of practice to reduce the risk of injury or damage to a power wheelchair:

1. If you must change your center of gravity, including raising your body sideways or leaving the seat, please do not lean your body out of the range of the wheelchair cushion.
2. If you have to move forward in your seat, please do not lean your body too much (as shown in Figure C1), and always keep the backrest touching your buttocks.
3. Do not use both hands to forcefully access objects that are far away, in case you lose your balance and fall.
4. Do not under any circumstances attempt to pick up objects from between your knees or in front of your body (Figure C2).



5. Do not put pressure on the pedals when the body is extended to prevent serious falls caused by the electric wheelchair tipping over.
6. Do not lean on the top of the seat back to prevent falling and damage to the back.
7. If you must extend or lean; do so at your own risk.

Remember:

1. Move your electric wheelchair as close as possible to the object you want to reach.
2. Rotate the front casters until they are as far forward as possible. This will make the electric wheelchair more stable.

Note: If when doing this, you move your electric wheelchair further than you want to reach, back up to get closer to it, the front casters will swivel forward as you go back.

3. When you arrive, turn off the power of the electric wheelchair. Hold onto the armrest with one hand firmly, this will prevent and reduce the risk of falling if the wheelchair is tilted.

**WARNING**

Tips for dressing in a wheelchair

Note: When you are wearing clothes while sitting in the electric wheelchair, your body will turn, in order to make the electric wheelchair more stable, you should adjust the swivel front casters to the forward position.

crossing obstacles

You may need to overcome some obstacles in your daily use, including door sills, lifts, ramps, potholes and broken pavement. Improper operation may damage your electric wheelchair or cause personal injury to you.

1. Thresholds are dangerous. Even a small height change can jam the casters and make the electric wheelchair tilt or roll over, so it is recommended that you:
 - Remove room thresholds or cover thresholds so that they slope excessively.
 - Install a ramp-type access door.
2. When you move the electric wheelchair, please carefully look at the area you are going to pass.
3. Make sure that you can cross obstacles smoothly and safely in the place where you use this electric wheelchair.
4. You can adjust your center of gravity like this:
 - Lean your upper body forward slightly as you are about to clear an obstacle.
 - Your upper body should be pressed back as you traverse a high-to-low section.

**WARNING**

Drive backwards

Be very careful when driving a power wheelchair in reverse. If the rear wheels hit an object, you could lose control or fall.

1. When driving, slow down.
2. Stop and check frequently to make sure that there are no obstacles on the road you want to pass that will hinder your safety.

Incline/slope/hill driving

When on a slope, the center of gravity of your power wheelchair's balance changes.

Note: "Slope" may be a ramp or a hill. When you are not sure about the safety of using this electric wheelchair on a slope, please use it with the help of others, and do not use it alone.

Things to pay attention to are:

1. For your safety, please do not use electric wheelchairs on slopes with a slope $\geq 12^\circ$.
2. Please do not use this electric wheelchair on a slippery slope (such as when there is snow, ice, water or oil film).
3. When the road surface on the slope has ups and downs (uneven, raised or sunken), please do not use this electric wheelchair.
4. If there is a small pit at the bottom of the slope, please do not use this electric wheelchair.

Weight Limit

1. The maximum load of this electric wheelchair is 180 kg, and the load of the backrest is less than 75 kg. The load in use should not exceed the maximum load.
2. In any case, do not do weight training on this electric wheelchair, even if the sum of the weight of the occupant plus the weight lifted does not exceed the maximum load-bearing capacity of the electric wheelchair.
3. If the load exceeds the maximum load during use, the seat, frame, fasteners, folding mechanism, etc. may be damaged. It may seriously injure the occupant or others, and may damage the electric wheelchair and scrap it.
4. No warranty is provided for problems caused by the load exceeding the maximum load during use.

Precautions for going up and down stairs

This electric wheelchair is not intended for travel, up and down stairs, or use of escalators.

1. Always pay attention to the following warnings when using the elevator:
 - Do not use escalators (stepped elevators) between floors to move power wheelchairs as serious personal injury may occur.
 - You can use the up-and-down elevator if you are in an electric wheelchair. Please push the electric wheelchair after the elevator door is opened, and make sure that the elevator door is always open when the electric wheelchair enters and exits the elevator.
 - When the lift is not available and the power wheelchair needs to be unfolded once it has been transported to the desired location, refer to the "Transportation" section for instructions.
2. Stairs When moving the electric wheelchair through the stairs between floors, it must be operated according to the following specifications:
 - Remove the occupant from the power wheelchair.
 - Folding electric wheelchair. Before folding, the upper controller must be closed and removed.
 - When moving the electric wheelchair up and down stairs, care should be taken to avoid collisions.

Installation Instructions**Protection belt installation**

The protective belt is only to fix the occupant's body and prevent the occupant from sliding down the seat forward. It does not protect you in an accident.

You can adjust your protective belt according to the comfort of the rider. The protective belt is to support the rider and prevent the rider from sliding forward.

1. Install the protective belt: the occupant needs to ensure that the protective belt has bound the body from the waist to the lower part of the wheelchair backrest when using it.
2. Adjust the protective belt according to the comfort of the rider:
 - Once seated, insert the plastic card into the plastic housing on the other side until it clicks.
 - Adjust the protective belt at the plastic card to an appropriate length, not too tight and cause discomfort.
3. Untie the protective belt:
 - Press the button at the end of the plastic housing and pull the plastic card out.

**ATTENTION**

Before each use, ensure that the harness is properly and properly secured to the power wheelchair and adjusted to the most comfortable state for the user.

Before each use, inspect the protective strap for looseness or damage. If you find a problem, please contact the supplier for maintenance and repair.

Instructions for adjusting the position of the upper controller

According to different user needs, the upper controller can be installed on the left armrest or the right armrest. As shown in Figure D1, loosen the quick release handle, adjust to a suitable position, and then press the quick release handle.

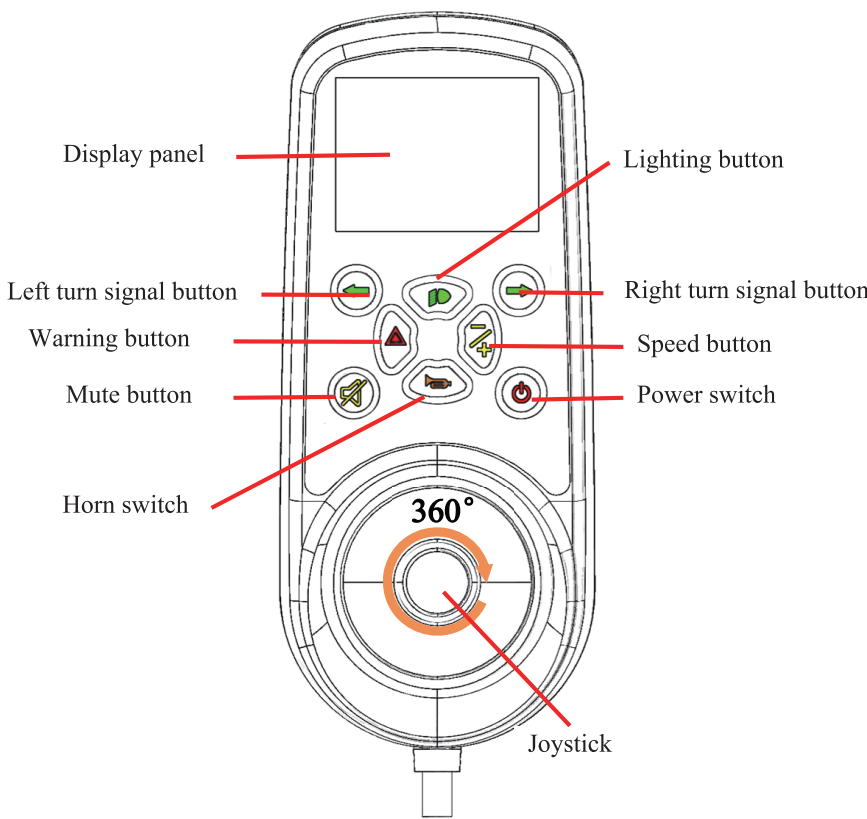
NOTE: You may need to adjust the position of the upper controls of your electric wheelchair to reduce the risk of bumping, falling or falling.

1. Check and adjust settings every six months. (check and adjust frequently if needed)
2. If you find that the settings of the controller affect the following functions, please contact the supplier.
 - normal control joystick
 - keep your body upright
 - Avoid bumping into objects while running



Control Guidance

Control the movement of the electric wheelchair. It consists of the following parts:



1. Power switch: Press this button to turn on and off the power of the electric wheelchair.
2. Speed button: Press this button to change the speed. Top speed is 6 km/h
3. Horn switch: Press and hold this button, the horn will sound, and release it to stop.
4. Lighting button: Press this button to turn on the light, press it again to turn off the light.
5. Right turn signal button: press this button, the right turn signal flashes, press it again to turn off the right turn signal.
6. Left turn signal button: Press this button, the left turn signal flashes, press it again to turn off the left turn signal.
7. Mute button: Press this button to enter the mute mode; press it again to release the mute.
8. Display panel: display information such as speed, power, fault, etc.
9. Joystick: The joystick controls the direction and speed of the electric wheelchair, push the joystick in the direction you want to go. (For details, refer to the "Using the joystick to drive the wheelchair" section).



WARNING

Use the joystick to drive the wheelchair

1. When driving at high speed, do not make sharp sharp turns.
2. Failure to follow the warnings may cause the electric wheelchair to tip and may result in injury to the user or damage to the product.
3. The joystick is located behind the control panel, it can control the speed and direction smoothly. It is equipped with 360-degree all-round mobility and easy operation. The joystick is spring-loaded, and it automatically returns to its initial neutral position.
4. To push the joystick in the direction you want to go, the joystick has the ability to control the drive proportionally, the more you push, the faster the speed. Top speed is limited to 6 km/h.
5. If you want to slow down the speed of the wheelchair, just release the joystick, and the wheelchair will automatically slow down and correct the direction in the smallest range.
6. When learning to drive this electric wheelchair for the first time, you should choose a relatively slow speed to try, and gently push the joystick slightly forward. This exercise will help you learn how to control the electric wheelchair, let you gradually understand and be familiar with how to control the force, and smoothly master the method of starting and stopping the electric wheelchair.

To drive an electric wheelchair, please do the following:

1. Adjust the control panel to the appropriate setting.
2. Turn on the power.
3. Move the joystick as follows:

Movement	Operate the joystick
forward	pushing forward
backward	pull backward
right	push right
left	push left
stop	release the joystick (slow down shortly)

Horn use

Press the horn button located above the control panel and use the horn when passing through crowds.

Braking instructions



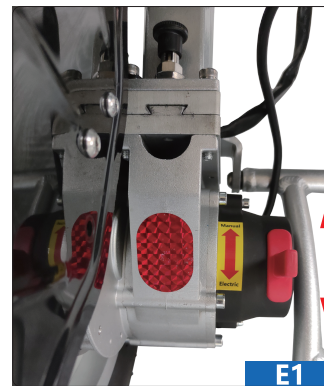
WARNING

Using the control lever to drive the wheelchair

After any adjustments, repairs or servicing, be sure to tighten all attached parts before use, or injury or damage may result.

Do not turn on or off the electromagnetic brake while the power is not turned off.

The electromagnetic brake can be controlled by the red handle on the motor, as shown in Figure E1.



Manual mode: The electromagnetic brake is released and the wheels are free to roll.

Electric mode: The electromagnetic brake works, locking the free rolling of the wheel.

Battery Instructions

Battery usage



Do not use batteries with different capacities, different brands and different types of batteries. When replacing batteries, replace them all together, and do not mix old and new batteries.



The positive and negative poles of the battery cannot be connected with conductive objects such as metal. If the connection will cause a short circuit, it may cause accidental injury due to electric shock.



Do not approach flammable materials. Do not approach or expose to heat sources such as open flames or sparks. Do not transport batteries with flammable or combustible items.



There are corrosive chemicals in the battery box, it is strictly forbidden to disassemble the battery without permission.



It is strictly forbidden to short-circuit the battery or throw the battery into fire to avoid explosion accidents.



WARNING

Charging Precautions

1. Do not attempt to charge the battery by connecting directly to the battery terminals with pliers or cable metal wires.
2. Do not use the electric wheelchair while the battery is charging.
3. Do not use non-standard power sources (for example: generators or inverters), even if their voltage and frequency appear to meet the requirements.★
4. Prevent the power cord from being stepped on, squeezed and severely bent, especially at the port. Prevents the power cord from being jerked, tangled.★
5. Keep children and pets away from the power cord, don't let them gnaw and chew the power cord. When unplugging the power cord, pull out by the plug.
6. If the circuit breaker (circuit fuse) trips several times during charging, please unplug the charger immediately and contact the dealer or a professional technician.
7. This electric wheelchair is designed with an electronic locking anti-drive device to prevent the electric wheelchair from being driven while charging.
8. The battery warranty and performance indicators mentioned in this guide are all for lithium-ion batteries.
9. Do not smoke or ignite near the battery.
10. The ambient temperature where the battery is suitable for use.
11. The ambient temperature where the battery is not suitable for use and its consequences.



WARNING

1. After the new battery is first used, it must be fully charged when it is charged for the first time to ensure that the battery is fully activated.
2. Before the first use, keep charging the battery, which will reduce the service life of the battery (the first time you should use up all the electricity in the battery, and then start charging, so that the battery can be fully activated.)
3. Check whether the power supply is sufficient before use, and charge it in time when the power is insufficient. When the power is exhausted, it takes 6-8 hours to charge until the red light on the charger turns green.★
4. The recommended range of time for each battery charge is about 6 to 8 hours.
5. Charge the battery frequently. As long as the electric wheelchair is used, charge the battery after use until it is fully charged. If the electric wheelchair is not used for a long time, please recharge the electric wheelchair every 2 months, charging about 80% of the electricity each time. If there is no electricity for a long time, the battery will be damaged, the battery will not be able to be used, and the electric wheelchair will be seriously damaged.★
6. If you use batteries with incorrect specifications, voltage and capacity, your electric wheelchair may be damaged, and the electric wheelchair cannot achieve the best performance and effect.



WARNING

Battery installation/removal

Make sure the wheelchair is powered off before doing this.

Install the battery:

Grasp the upper battery cover, align the bottom of the battery with the nozzle of the arm, and push the battery until the buckle on the upper cover of the battery snaps into the slot on the arm to ensure that the battery box is connected to the socket contact in the arm.

Remove the battery:

Use your fingers to press the button of the buckle on the battery cover (as shown by the arrow in Figure F1), and at the same time grasp the battery cover and pull it out (as shown in Figure F2).



Battery charging

1. It can be charged with standard AC power (AC 100-220 V, 50-60 Hz), and the charging port is at the front and bottom of the control panel.
2. Make sure to turn off the power of the electric wheelchair before charging.
3. Insert the charging port of the charger into the charging port at the front bottom of the control panel (as shown in Figure G1).
4. If charging the battery alone, insert the connector into the charging port of the battery, and connect the other end to the charger for direct charging (as shown in Figure G2).



5. Insert the end of the charger connected to the external power supply into the power socket. When the red indicator light is on, it means that it is charging.
6. When the indicator light of the charger turns from red to green, keep charging for another 30 minutes to ensure that the battery is fully charged.
7. After fully charged, unplug the plug on the external power supply first, and finally unplug the plug on the upper controller or battery.
8. Please charge at an ambient temperature suitable for charging.

Overcurrent protection device

When the battery of the electric wheelchair is nearly exhausted, the over-discharge protection device will protect the battery from over-discharge. Users should be aware that the maximum speed will be reduced when the over-discharge protection device is activated. In this case, charge the battery as soon as possible.

Over-discharge protection device

This electric wheelchair is also equipped with an overcurrent protection device. If the current supplied to the motor becomes too high, the e-fuse shuts off the current flow. When the driving electric wheelchair encounters a fault, the overcurrent protection device will be activated, and the driving wheel of the wheelchair will be blocked from rotating during driving. This process is that the fuse cuts off the current to prevent the motor from being damaged by overheating. The signal indicator light on the control panel will show. (Refer to the Control Panel chapter for details)



WARNING

Battery socket cleaning

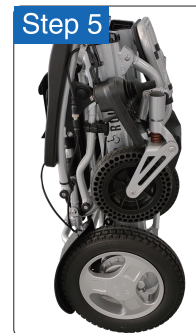
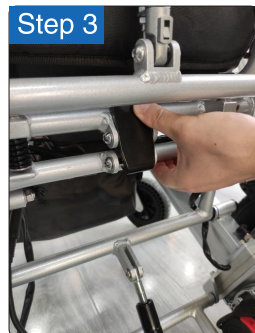
1. Check the battery box and the positive and negative terminals of the battery for corrosion.
 2. Check whether the battery and plastic battery box are assembled in place.
 3. Clean the battery port with a battery cleaning tool, wire brush, or medium sandpaper, etc.
- Note:** After cleaning, the above parts should be shiny and dry.
4. Carefully clean up all metal particle dust.
 5. Do not allow battery materials to come into contact with skin, clothing or other property. It is an acidic material and may cause harmful or damaging burns. If this material comes into contact with your skin, immediately wash the affected area thoroughly with cold water. In case of serious condition or eye contact, seek medical attention immediately.

Fold and expand

Wheelchair folding method

Step:

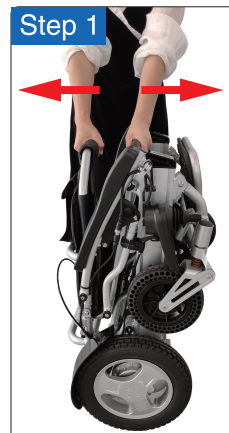
1. Put down the upper controller.
2. Remove the upper seat cushion.
3. Grasp the safety buckle under the backrest frame and break it upwards.
4. Grasp the backrest frame with one hand, and the lower support frame of the frame with the other hand, and at the same time, fold both hands inward until they fit together.
5. Fold the pedals, and the wheelchair is folded.



Wheelchair unfolding method

Step:

1. Grasp the backrest frame with one hand, and the lower support frame of the frame with the other hand, and push and pull it to the unfolded state with both hands at the same time.
2. Install the seat cushion, restore the position of the upper controller and pedals, and the wheelchair is unfolded.



Backrest Angle Adjustment

Backrest angle adjustment method

step:

1. Pull up the gas spring cable handle under the armrest.
2. At the same time, hold the top frame of the backrest with one hand and push down or push back with the back of the body.
3. When the suitable angle is reached, loosen the handle of the gas spring cable, and the adjustment of the backrest angle is completed.

Note:

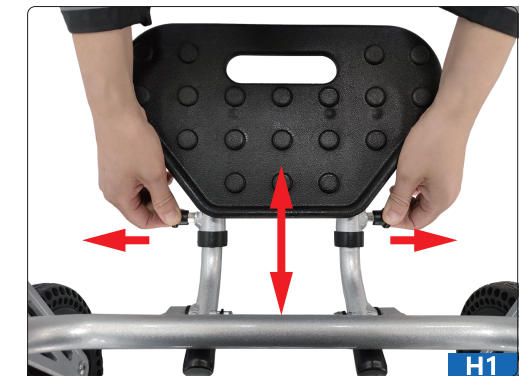
If you want to return to the original point, pull the handle while your body slowly leans forward following the backrest, and release the handle when you reach the original point.



Pedal Position Adjustment

Pedal position adjustment method

Pull the elastic pin outwards and adjust the pedal position forward or backward (as shown in Figure H1). When the pedal is adjusted to a proper position, loosen the elastic pin until it is automatically snapped in place to complete the adjustment.

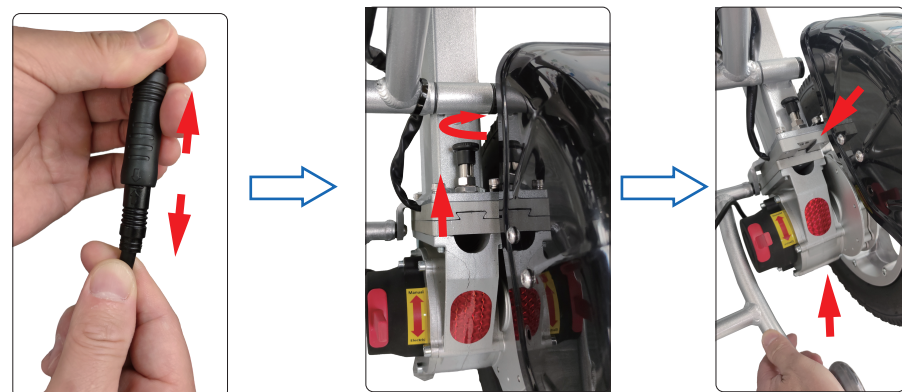


Motor removal and installation

Motor removal method

step:

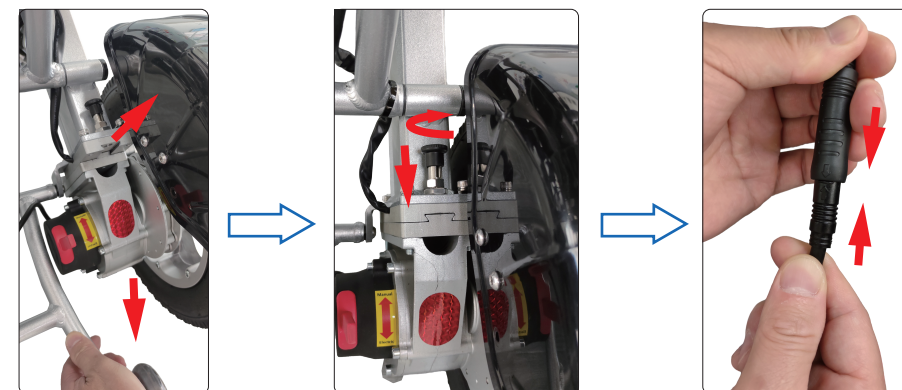
1. Pull open the quick release waterproof connector.
2. Pull the elastic pin to the maximum distance and rotate until it cannot automatically spring back.
3. Lift the anti-fall bracket and press down to remove the motor, and the removal of the motor is completed.



Motor installation method

step:

1. Align the motor limit block with the motor fixing plate on the main arm of the frame, and then push the motor in forcefully.
2. Rotate to loosen the elastic pin to make it spring back automatically.
3. Align the arrow, connect the quick release waterproof interface, and the motor installation is complete.



Faults and troubleshooting methods

Motor removal method

There is a fault code displayed on the display panel. If there is no display, it means that this electric wheelchair is not faulty. When there is a fault state, it will report through the corresponding display code and whistle.

If the indicator light indicates that there is a fault, the power should be restarted first.

If the fault is not resolved after restarting and the indicator light repeats this error message, please refer to the fault information diagnosis table to help you find possible problems and corresponding solutions.

If the above methods still cannot help you troubleshoot, please contact the dealer. When communicating with the dealer, try to provide the specific status and information of the fault as much as possible.

1. Introduction

When the product failure code is displayed, it means that something abnormal happened to the electric wheelchair. False warning messages from product components can occur in motors, brakes, batteries, wiring connections and the product itself.

Depending on the severity of the situation, the power wheelchair may or may not stop driving. There are situations where power wheelchairs are not allowed to continue driving.

2. Fault code

Through the function of the product's built-in information consultant, the displayed diagnosis number can reflect the nature of the abnormal condition. These anomalies can still be detected without using other service tools. The fault information diagnosis table is as follows:

Screen Display	Illustrate	Cause Of Issue	Solution
	1 pause, 1 short beep, and the fault icon lights up at the same time, and the green number "01" is displayed in the middle of the LCD screen	battery power extreme deficiency	1. Please charge for more than 30 minutes and turn it on; 2. It may be that the battery is damaged and cannot be charged (go to the place where the battery car is repaired and measure the voltage of the battery). 3. Return to factory for maintenance.
	1 pause, 2 short beeps, and at the same time, the fault icon lights up and the green number "02" is displayed in the middle of the LCD screen	left motor (motor) failure	Determine the cause of the failure of the left motor: 1. Please check whether the left motor (motor) is in poor contact or the wire is disconnected; 2. Please plug in the left and right motor wires interchangeably, and turn on the machine again. If the controller still gives 2 beeps, it means the controller is faulty and needs to be returned to the factory for inspection; if the controller gives 4 beeps, it means the motor is faulty.
	1 Pause 3 short beeps, at the same time the fault icon lights up and the green number "03" is displayed in the middle of the LCD screen	left motor brake failure	Determine the cause of the brake failure of the left motor: 1. Please check whether the left brake is in poor contact, or the brake power switch is damaged; 2. Please plug in the left and right motor wires interchangeably, and turn it on again. If the controller still sounds 3 times, it means the controller is faulty and needs to be returned to the factory for testing; if the controller sounds 5 times, it means the motor brake is faulty.

	1 Pause 4 short beeps, at the same time the fault icon lights up and the green number "04" is displayed in the middle of the LCD screen	right motor (motor) failure	Determine the cause of the failure of the right motor: 1. Please check whether the right motor (motor) is in poor contact or the wire is disconnected; 2. Please plug in the left and right motor wires interchangeably, and turn it on again. If the controller still sounds 4 times, it means the controller is faulty and needs to be returned to the factory for testing; if the controller sounds 2 times, it means the motor is faulty.
	1 Pause 5 short beeps, at the same time the fault icon lights up and the green number "05" is displayed in the middle of the LCD screen	right motor brake failure	Determine the cause of the brake failure of the right motor: 1. Please check whether the brake on the right side is in bad contact, or the power switch of the brake is damaged; 2. Please plug in the left and right motor wires interchangeably, and turn it on again. If the controller still sounds 5 times, it means the controller is faulty and needs to be returned to the factory for testing; if the controller sounds 3 times, it means the motor brake is faulty.
	1 Pause 6 short beeps, at the same time the fault icon lights up and the green number "06" is displayed in the middle of the LCD screen	controller internal failure	Return to factory for overhaul
	1 Pause 7 short beeps, at the same time the fault icon lights up and the green number "07" is displayed in the middle of the LCD screen	joystick failure	Return to factory for overhaul
	1 Pause 8 short beeps, at the same time the fault icon lights up and the green number "08" is displayed in the middle of the LCD screen	controller internal failure	Return to factory for overhaul

Warranty

Warranty description:		
Warranty Items	Free Warranty Period	Remark
main frame	one year	Improper use, man-made damage or unauthorized modification lead to failure, no warranty or maintenance fee.
motor wheel	reducer and PU tires are guaranteed for one year, and others are guaranteed for two years	If the load exceeds the standard, the motor will be overloaded or the motor will be damaged without authorization, no warranty
battery	six months	Failure to charge in the correct way, or dismantling the battery without permission will result in damage and void the warranty. The company is not responsible for accidents.
controller	one year	Improper use, man-made damage or unauthorized modification lead to failure, no warranty or maintenance fee.
joystick	one year	Improper use, man-made damage or unauthorized modification lead to failure, no warranty or maintenance fee.

Warranty instructions

Not covered by warranty:

1. We do not warrant that:
- a) Backrest cushions, seat cushions, armrests, backrest foam sponge and decorative parts are damaged after use.

b) Damage caused by negligent operation, accident, misuse and abuse, improper installation and repair.

c) Problems caused by self-modification of the product without the written consent of Xuzhou Hengbeishu Medical Devices Co., Ltd.

d) Damage caused by the load exceeding the maximum load.
2. If the serial number on the electric wheelchair is not the original serial number, has been modified, or is inconsistent with the serial number on the warranty card, or the serial number on the warranty card has been altered, the warranty cannot be granted.
3. This warranty card is non-transferable and is for wheelchair buyers only.
- As a dealer, it is our responsibility to repair or replace damaged parts.
- To the extent permitted by law, this warranty statement will replace any other warranty (such as: written or oral, express or implied warranty, including the guarantee of merchantability or fitness for a particular purpose), and all guarantees in this warranty statement as the basis.

Accessories:

Name	Quantity	Remark	Name	Quantity	Remark
lithium battery	1	/	side pocket	1	/
controller	1	/	storage bag	1	/
joystick	1	/	tool	1	/
charger	1	/	certificate	1	/
cup holder	1	/	manual	1	/

Maintenance records customer stub

maintenance record one				
repair date	fault description	cause of issue	inspection date	maintenance worker
processing method:				
maintenance record two				
repair date	fault description	cause of issue	inspection date	maintenance worker
processing method:				
maintenance record three				
repair date	fault description	cause of issue	inspection date	maintenance worker
processing method:				
Return and exchange proof:				

Maintenance records company stub

maintenance record one				
repair date	fault description	cause of issue	inspection date	maintenance worker
processing method:				
maintenance record two				
repair date	fault description	cause of issue	inspection date	maintenance worker
processing method:				
maintenance record three				
repair date	fault description	cause of issue	inspection date	maintenance worker
processing method:				
Return and exchange proof:				