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User manual

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Introduction

Welcome aboard your new power wheelchair.

This model has been designed with your practical needs in mind.

It is equipped with modern high-tech electronics and special features for a more comfortable ride.

This manual contains important information regarding the safe use of the power wheelchair.

Please read it carefully before using the power chair and make sure you understand all the instructions.



1. Joystick
2. Charger port on joystick
3. Safety belt
4. Footrest
5. 8" front wheel
6. Armrest flip lock
7. 12" rear wheel

Quick Reference Guide

- 1, Install the controller to the right or left armrest of the driver;



- 2, One hand grasps the push hand tube and the other hand grasps the seat cushion frame outwards;



3. electric mode handle

As long as the handle that is at the motor is down on both sides this means that you can push it manually. To change it to the electric mode, pull the handles up



- 4, Lock the armrest (press down the armrest, then turn the small wrench on the side of the armrest upwards);



Specification

Model Name	E7001-A
Whole product size (unfolded)	1100*630*960mm
Net Weight (With battery)	29kg
Front wheel	200mm×50mm

Rear wheel	320×60 mm
Loading capacity	130kg
Forward speed	0-6km/h(adjustable)
Range per charge	≥13km
Motor	24v/250w×2
Turning radius	600mm
Battery(Lithium)	24V/12AH
Brake	intelligent Electromagnetic brake
Anti-tip wheel	50mm×25mm
Climbing ability	≤12°
Charger	AC100-240V50/60HZ Output: 24V-2A

Failure to follow the instructions below may result in damage to the electric wheelchair or serious injury.

Practice before operation

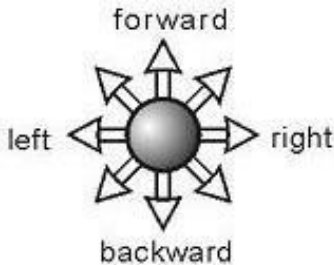
Find an open area such as a park and have an assistant to help you practice until you can operate this vehicle skilled.



Make sure that the power is off before getting on or off the seat. Set the speed control button according to your driving to proper speed you need.

We recommend you to keep the speed at the slowest shift until you are familiar with the

driving characteristics of this vehicle.



Stop, forward, and Reverse operation practice.

Push the joystick in the directions as above picture show when you want to drive to the direction accordingly.

First, practice moving forward. Be sure to set the speed to the lowest shift.



After familiar with moving forward, practice "S" turn.



After familiar with moving forward, practice drawing back. Attention to the speed controlling when backward.



EMI warning

The rapid development of electronic technology, especially in the communication area, is filled with electromagnetic waves in our living

environment, such as television, radio and communication signals. These electromagnetic waves are invisible and its intensity is enhanced. All the electronic devices as the antenna to the electromagnetic signal and its degree of change. All electric wheelchairs and electric scooters are susceptible to electromagnetic interference(EMI). These disturbances can cause abnormal movement and control instability.

Electric wheelchair and electric scooters are likely to be subject to electromagnetic interference. These disturbances of electromagnetic or energy are transmitted from, for example, radio, television and mobile phones. These disturbances may cause the electric wheelchair to fail to brake, move suddenly or not in the specified direction. It may cause damage to the electric wheelchair control system.

Follow the instructions below that you should be able to reduce the chance of brakes out of control or the serious damage caused by the electric wheelchair itself.

1) Do not turn on hand-held personal communication devices such as

citizens band (CB) radios and cellular phones while the powered wheelchair is turned on.

(2) Be aware of nearby transmitters such as radio or TV stations and try to avoid coming close to them.

(3) If unintended movement or brake release occurs, turn the powered wheelchair off immediately to make sure of safety.

(4) Be aware that adding accessories or components, or modifying the powered wheelchair, may make it more susceptible to interference from radio wave sources. (Note: there is no easy way to evaluate the effect on the overall immunity of the powered wheelchair).

(5) Report all incidents of unintended movement or brake release to the powered wheelchair seller, and try to find out that whether there is radio wave source nearby.

When the following occurs, you should immediately turn off the electric wheelchair power supply:

- 1、 Suddenly move;
- 2、 Operation direction is not controlled;
- 3、 Brake failure;

Safety instruction

Do not carry passengers.

Do not drive across a slope.

Do not drunk driving.

Do not trail to other vehicle.

Do not turn on or use hand-held personal communication devices such as radios or cellular phones.

Do not drive the power wheelchair without reading this instruction manual.

Do not exceed the safe climbing maximum angle.

Do not use the joystick in an erratic manner when going up or down incline.

Do not carry any passengers or exceed the maximum user weight when you drive the power wheelchair.

Do not press the On / Off Button of the controller when the power wheelchair is moving. This will cause the electromagnetic brakes out of work or cause damage to the joystick controller.

Do not drive over deep and soft terrain (soft dirt, loose gravel, or deep grass).

Do not attempt to climb stairs which height above 50mm (2") unless the slide way is installed.

Do not disassemble the power wheelchair unless the electromagnetic brakes are engaged and the joystick controller is turned off.

Do not operate the power wheelchair if no one sits on the power wheelchair.

Do not drive the power wheelchair on the traffic way, except on the footpath.

Do not change the driving direction or reverse before the power wheelchair stopped steady.

Always engage a slow speed when going down gradients (move the joystick to the central position)

Always use the safety belt.

Always keep the feet on the footrest while driving.

Always make sure the batteries are fully charged before setting out on a journey.

Always charge the power wheelchair in a well ventilated area to prevent any possible risk.

When the screw in the center of the wheel is loose, replace the same screw from the standard configuration with a wrench.

When passing the slope, move the seat as far as possible.

Reminder! When using an electric wheelchair, please refer to the following driver. As an electric wheelchair, the driver must follow all the rules and regulations, like any other driver.

NO!



Make sure there is no obstacle behind when braking;
It is recommended that the speed be the lowest when reversing.

NO!



Avoid emergency braking,
irregular shaking or emergency turning.

NO!



Keep your arm on or in the armrest
and keep your foot on the footrest.

NO!



Do not cross roadsides that are more than 5mm high.

NO!



不要横跨宽度超过 10cm 的裂口
**Do not cross a gap that is more than
10cm wide.**

Precautions when driving on slopes:

Driving on a slope is much more dangerous than driving on a flat road. Please note the following. Falling or losing control will happen and cause serious harm to users and others.

NO!



**Do not climb slopes that
exceed 12° .**

NO!



**Do not reverse when climbing a
slope, if it does, you may cause a
rollover.**

NO!



**Do not drive on the side 3° above the
ground. Driving on a road 3 degrees
above the ground can easily lead to
rollovers.**

在侧面高出地面 3° 的路面行驶很容易导致翻车

NO!



Do not drive on soft, uneven or unprotected roads such as grass and gravel.

NO!



Slow the speed when going downhill. It takes longer to stop the wheelchair completely when braking downhill.

NO!



Do not climb up and down the slope. Stop the wheelchair before getting on and off.

Terminology

Joystick: The device used to "move" the power chair.

Controller: The device that allows joysticks to function.

Armrests: Where arms can rest during time spent on power chair

Footrest: Where feet can rest during time spent on the power chair.

Anti-tip Wheels: Wheels that allow slight tipping, or prevent tipping while driving.

Drive Wheel: Wheels that move the power chair. These are the main wheels.

Caster Wheel: The front wheels.

WARNING

Do not use electric wheelchair, in the motor is unlocked;

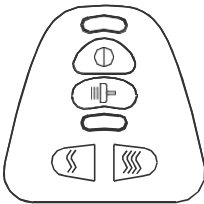
Do not disassemble the motor, may cause the vehicle performance to decline, resulting in damage;

Joystick controller operation instruction

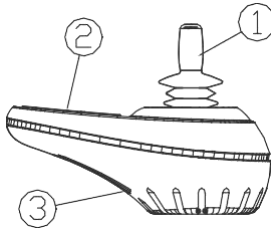
Assemble the controller

- 1、 Install the controller on the controller connection;
- 2、 Adjust the controller connection tube to the appropriate length, then tighten the plum nut;
- 3、 Plug the plug into the left and right motor and battery;

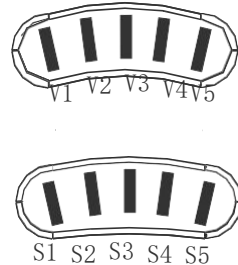
①Joystick



②Front control panel



③Charging Port



The operation of the controller

Try to avoid knocking the controller, especially the joystick. Do not beat the controller and the joystick while traveling. Do not hit the controller.

When operating a wheelchair, ensure that the control system is safe and reliable.

Operating environment

Do not keep the control system and its components in a humid environment for long periods of time. If the control system is in contact with food or drink, it should be cleaned up in time.

Cleaning

Dilute the deodorant wiping with a cloth to wipe the control system and the joystick, when wipe joystick should be particularly careful.

Do not use abrasives and similar cleaners.

control button

1: Battery indicate

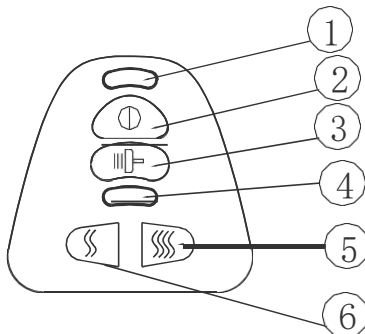
2: ON/OFF button

3: Horn 4:

Speed indicate 5:

Accelerated button 6:

Deceleration button

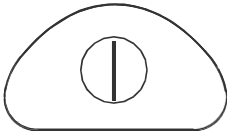


On/Off button and power display

The on / off button provides power to the electronic components of the control system to provide power to the wheelchair motor. In emergency situations you can use the on / off button to stop the wheelchair.

The power display shows the current battery power of the wheelchair. The indicator light indicates that the wheelchair is open. At the same time, the power display also shows the status of the wheelchair. For details, refer to the "Controller Status Indication".

Turn on the power

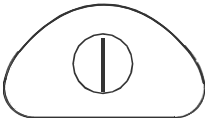


Press the power button

Each indicator will light

At the same time the current battery charge will also have instructions

Turn off the power



Press the power button

The indicator light will go off

Joystick

The main function of the Joystick is to control the speed and direction of the wheelchair, the Joystick can control the wheelchair

to travel in any direction, the operation of the Joystick movement will determine the wheelchair in that direction speed of movement. The farther the Joystick is moving from the center, the faster the wheelchair runs. When you release the Joystick, the wheelchair is automatically braked.

Speed display (S1-S5)

This is a speed that indicates the wheelchair setting, a total of 5 files, S1 is the lowest speed, S1 to S5 is the highest speed

Horn

Press the Horn, there is a sound issued.

Deceleration button

This button can reduce the speed setting gear, the corresponding speed indicator lights off. This button has no effect when driving a wheelchair.

Accelerated button

This button can increase the speed setting gear, the corresponding speed indicator light. This button has no effect when driving a wheelchair.

Self-help guidance

If a system failure occurs, check the position of the flashing lamp on the speed display and battery indicator. According to the following "controller status indication description" list, corresponding abnormal sound, check processing.

Rear wheel clutch fork

Wheelchair in the electric state, after parking, the use of mechanical gear brake, hand wheelchair is difficult to promote. As long as the "rear wheel clutch fork" poke, you can easily push the wheelchair, then electric drive is invalid.

If the two sides of the rear wheel clutch fork is pulled out to the left or right direction, the motor will be released and the wheelchair can be pushed (see photo below). Otherwise, the wheelchair is hard to drive.



Handle style Clutch
fork

ATTENTION:

Try to keep the wheelchair in the electric state, the role of the clutch device is only to allow the wheelchair in the need (such as shops, from the crowded place) to use the manual to push.

Push the wheelchair

The first step: the two motor clutch fork to the left or right to pull;

The second step: to push the wheelchair;

Fold your wheelchair

Step 1: Pull the small spanner on the outside of the left and right armrests downwards to make the armrests loose state;



Step 2: loosen the rear lock, put the U-shaped locking down;

3, **How to fold your power wheelchair**

Step 1: pull the bottom of the buckle as below shown



Step2:Grab the push handle and push forward



IMPORTANT REMARK:IF YOU FEEL A LITTLE HARD TO UNFOLD OR FOLD IT , PLEASE FOLD IT FOR JUST 10 TIMES ,IT WILL BE LOSE ,AFTER USING 1 MONTH ,IT WILL BE VERY EASY TO FOLD AND UNFOLD

Step 3: Hold the push frame with one hand and the seat cushion frame with one hand. Use both hands to force it until your wheelchair is completely folded



Adjust the controller out of length

Loosen the plumb bolts under the armrest, pull the controller bracket outwards, and lock the plumb bolts after pulling it to the proper position.

You can install the controller on the left as needed, remove the controller bracket and install it on the left



Back flip rotating armrest or button pressed one

Pull the small spanner on the outside of the left and right armrests down so that the armrests are in a loose state, and then the armrests can be turned back;

For those users of wheelchairs whose legs cannot bear any weight or cannot turn the armrest independently, it is recommended that the assistant help turn the armrest of the wheelchair.

Any assistant who helps a user of a wheelchair must perform appropriate training in the handling of wheelchairs.

Remove the battery (sometimes you will get alloy aluminum battery kit, which should be no problem to use please)

Step 1: pull out the power plug



Step 2: Hold down the locking catch to disengage the battery from the frame and pull out the battery compartment.



Battery use

The electric wheelchair uses a 24V battery. This is a maintenance-free sealed lithium battery. The batteries are designed to handle deep discharges. Although they are similar in performance to car batteries, they cannot be replaced. Car batteries are not designed for long periods of deep discharge and are not safe for use in electric wheelchairs. of.

Battery charge and discharge

In order to maximize the battery efficiency of your wheelchair battery.

1. The battery should be fully charged during initial use, so that your battery can achieve 90% of the effect;
2. When you use an electric wheelchair in your home or yard, start slowly and do not drive too far away. Until you adapt to this control system, the battery discharge is complete.
3. Give your battery charge 8-14 hours, and then re-operate the

wheelchair, the battery can now use more than 90% of the potential;

4. After 4-5 times the cycle of charge and discharge, the battery effect can reach 100%, and can continue for a long time.

Important information about the battery

Frequently charged batteries provide reliable performance and long battery life. No matter what time, as much as possible to keep your battery fully charged, there is a regular discharge. Not often charged or not fully charged, it may cause damage to the battery permanently, causing unreliable operation and reduced battery life.

If you do not often use your electric wheelchair, you must charge once every week to ensure battery activity.

If you want to ship your wheelchair, you must contact the shipping company in advance to ensure that the wheelchair meets the special requirements of their transportation.

Maintenance-free Fully enclosed lead-acid batteries are designed for wheelchairs and other mobile vehicles. Overall, maintenance-free, fully enclosed lead-acid batteries are safe, green and environmentally friendly, such as aircraft, buses and trains. We recommend that you contact the public transport department for packaging and shipping according to special performance.

Replace the disposal of used batteries according to the relevant

provisions of the state.

Charger

The charger is a very important part of your wheelchair and provides energy to your wheelchair through a safe, fast and easy charger.

Your electric wheelchair is maintenance-free design, however, we recommend you to do the following checks on a regular basis:

Motor carbon brush:

Every six months you go to the local dealer to check the motor carbon brush.

Joystick/controller:

To ensure that the controller away from the damp air, moist air can easily damage the controller, can not warranty.

Battery cable:

Check the battery cables to make sure they are not corroded.

Clean your wheelchair with a damp cloth:

Do not use water to clean your wheelchair.

One year warranty

From the date of your purchase, our company provided repairs and replacements to the original purchaser. The local dealer or our company inspected and found any of the following damaged parts:

- motor;

● controller and operating handle;

Parts not covered by the one-year

warranty:: Motor:

Failure of the converter due to no replacement of worn carbon brushes, the carbon brushes are worn out and are not covered by the warranty.

Brake:

Electronic components on the brakes are guaranteed for one year. The brake pads on the brakes are wearable parts and are not covered by the warranty.

Battery:

Warranty for six months.

Storage conditions:

It should be stored in a clean room with a relative humidity of $\leq 80\%$, non-corrosive gases, and a well-ventilated room.

*** Failure to follow these instructions may result in damage to the power wheelchair or serious injury to the driver.**

If automatic folding, using below way.if not ,just use the below method to match remote control and controller



4. take out the remote controller from the box.



5 , 1) Press the power button of the electric wheelchair controller to turn it on



2) Press the power button on the remote control for 5 seconds. (make sure that two AAA batteries have been installed)



3) Press the down arrow button until the power button of the remote control does not flash and enter the matching state.



4) Press the deceleration button on the controller until the middle signal light is on



5) Press the horn button to automatically match,



6) The controller light is off, the matching is complete,

7) You can use the remote control to replace the joystick controller function after restarting.

Wish you a safety and comfortable experience of using the power wheelchair



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