

Electric Wheelchair

X-7

User Manual

Contents

Introduction.....	2
Quick Reference Guide.....	3
Specification.....	8
Practice before operation.....	9
EMI warning.....	11
Safety instruction.....	14
Terminology.....	18
Joystick controller operation instruction.....	19
Manual and drive mode switch.....	23
Adjust the controller out of length.....	23
Battery application.....	24
Warranty.....	27



1. Joystick
2. Footrest lock
3. Leg support tape
4. footrest
5. handle
6. lock button of armrest
7. battery
8. Charge hole
9. 11' rear solid wheel
10. 7' front wheel



- 1.detachable battery
- 2.armrest lift lock
- 3.manual/electric mode handle.

1pcs charger

1pcs user manual

1pcs power wheelcahir

Quick Reference Guide

A:Install the power chair Take out the chair from the carton.



1. Grasp the armrest with both hands and press down on both sides



2. Insert the joystick into the base



3. lock the joystick.



6. connect the joystick to controller.



7. install the cushion.



8. Install the footrest



11. Install anti tip wheels



12. install the battery



B:Install the joystick



1.This is the controller buttons look like.

activate or deactivate the function of rear controller.

2.you can move the controller base to Install the controller to the right or left.



Specification

Model Name	X-7
Whole product size (unfolded)	1030*600*870mm
Net Weight (With battery)	17kgs
Front wheel	180mm × 30mm
Rear wheel	290mm × 42 mm
Loading capacity	120kg
Forward speed	0-6km/h(adjustable)
Range per charge	≥13KM
Motor	24v/250w × 2
Turning radius	600mm
Battery (Lithium)	24V/10AH.24V/10AH*2 . 24V/7.5AH
Brake	Electric brake,manual brake
Anti-tip wheel	50mm × 25mm
Climbing ability	≤15°
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

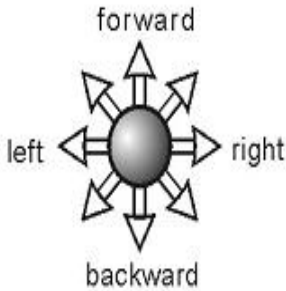
Find an open area such as a park and have an assistant to help you practice until you can operate this vehicle skilled.

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.

The brake system of the 630 wheelchair is electric magnetic(EM)means the once you release your hand from the joystick, it stops completely.

ATTENTION:

1, Electric wheelchair buyers or users should be using electric wheelchair in the electromagnetic environment specified in the table 201,202,204,206 , otherwise it may lead to electric wheelchair not working properly.

2, Portable and mobile radio frequency communications equipment may affect the normal use of electric wheelchair, please use the electric wheelchair in recommended electromagnetic environment.

WARNING:

1. In addition to the accessories and cables provided by the manufacturer of the electric wheelchair, the use of other accessories and cables may result in an increase in the transmission of the electric wheelchair or a reduction in immunity.

2, Electric wheelchair should not be close to or stacked with other equipment,if it is necessary to be close or stacked, need to observe that it is working properly using the configuration.

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 instructions

Check all screws and make sure the screws is tight every three months !

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 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!



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.

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

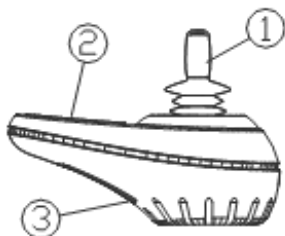
Assemble the controller

- 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.

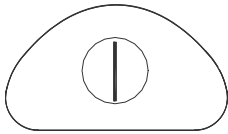
Do not use abrasives and similar cleaners.

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

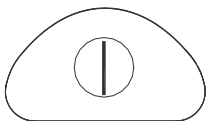


Press the power button

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



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.

1.manual&Driver switch trigger

Pull back the trigger on the motor this means that you can push it to drive mode (figure .1). push front the trigger change it to the manual mode,(figure .2)



Figure .1



figure .2

Adjust the controller out of length

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

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



Battery application

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 lithium batteries are designed for wheelchairs and other mobile vehicles. Overall, maintenance-free, fully enclosed lithium 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:

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.

Charger usage:

1. Carefully check whether the charger's rated input voltage (AC100-240V) and the grid voltage is consistent.

2. When the vehicle needs charging,insert the charger plug into the joystick charger port.

3. The charging indicator is red meaning it is charging. When it turns green, it will take 15 minutes to be fully charged. The charging time is about 6-8 hours (depending on the quantity of remaining battery).

Matters needing attention in charging:

- 1. When charging, please put it in the safe place where children can not touch.**
- 2. It is advised to use it when it is not fully charged.**
- 3. Do not use other brands of chargers, and other brands of batteries are not suitable for the use of the charger.**
- 4. Do not disassemble, as the charger contains high voltage circuit.**
- 5. Prevent liquid and metal particles from penetrating into the inside and be aware of falling and impact, so as not to cause damage during use and storage.**
- 6. When charging, do not affix any items.**
- 7. It requires to charge it fully and turn off power before storage. Charge it every three months (at most).**