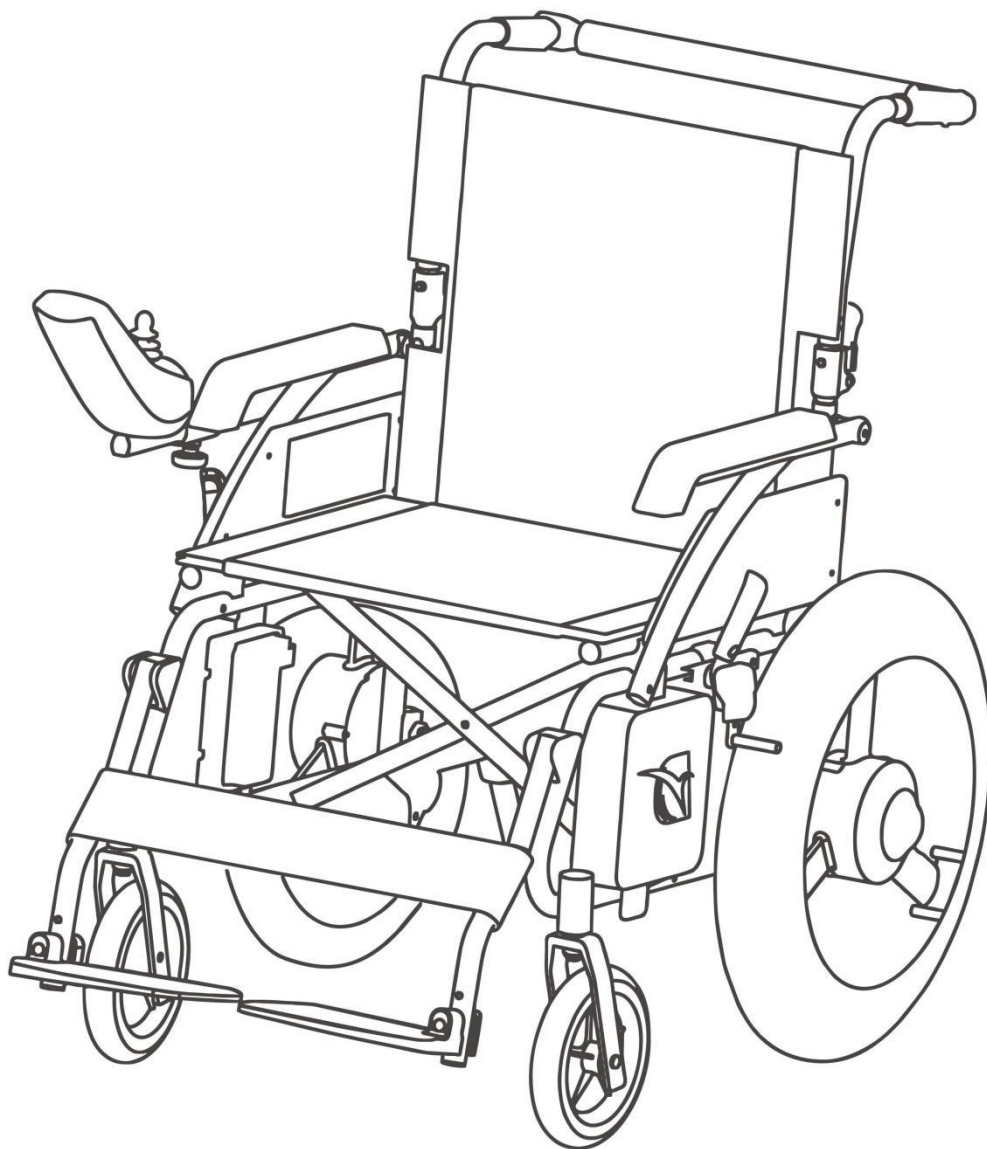


Electric Wheelchair User Manual

DY01112



Safety Guide

- .For correctly using the wheelchair, please be sure to read carefully the note of Safety Guide .
- .If cooperation won't follow this instruction, the product may be damaged,the people may be injured, or even be life-threatening.
- .If it is necessary for the patient or his family member to use the wheelchair directly, the family member should read and understand the introduction well before using.
- .Please don't let the children and the people who can't understand the introduction of wheelchair to use the wheelchair.
- .It is prohibited to transfer the user by any transport vehicle when take seat in the wheelchair.
- .It is prohibited for the user to modify the wheelchair unless agreed by the technicians,the company won't be responsible for any accidents.
- .It is prohibited for the user to stand on the footplate,otherwise the wheelchair will be overturned.
- .Please not protrude your body during walking by wheelchair,otherwise it will affect the driving stability.

Any one of them is an important part of security.Please observe it according.

* After reading the instruction, it should be properly kept for future use at any time.



Warning !

- 1.Electric wheelchair is suitable for driving in the room,garden path & on the road around the residential building.Don't approach the motor vehicles or the deep pits.It should make a detour to avoid the danger of wheelchair tilting when facing the obstacles.
- 2.It is not suitable to climb a long slope to avoid the overloading & the excessive power consumption of the circuit and motor.
- 3.Don't rely on the inertia to make the wheelchair rush up the step, otherwise it will cause accident or damage to the wheelchair.
- 4.The anti-wheel is used for the slop to prevent the wheelchair overturning when the uphill angel too large, it can't be removed.
- 5.Unless any special introductions, all the adjustments of the wheelchair should be made when the user no on the wheelchair.
- 6.Please check the armrest,handle etc of wheelchair whether became loose or not; if yes, please contact the professional technician to check.
- 7.Please do not change the sitting position when reclining back, otherwise the wheelchair will fall over.
- 8.Please don't walk on the escalator with wheelchair, otherwise it would cause serious personal injury.
- 9.When a wheelchair-sitter wants to move from a wheelchair to another place, first of all, park the wheelchair in the nearest and best position, turn the front wheel of the wheelchair to the place where it needs to be transferred, and confirm that the wheelchair brakes.

10. When lifting a wheelchair, please grasp the fixed connection of the wheelchair, instead of grasping the moving parts, such as foot brackets.
11. When parking in the course of driving, just release the controller handle and reset, the electric wheelchair will automatically brake. When parking on the slope, the electric wheelchair can automatically brake on the slope. For safety, it is recommended to stop on the flat ground and tighten the brake.
12. Check frequently whether the electrical connector is well connected, whether the solid screw is loose, and adjust it in time.
13. The rated load of the wheelchair is 100 kg. If the users weigh more than 100 kg, please contact the manufacturer for special order.
14. When the wheelchair is running on the inclined ground: the user must fasten the seat belt; when the slope is greater than 5 degrees downhill, the caregiver should turn the wheelchair back and proceed forward with careful confirmation. If the downhill is facing forward, it may cause the user to lean forward and fall.
15. In the process of patients' use, the wheelchair should be cleaned routinely once a day. When transfer the infectious patient, the wheelchair must be thoroughly disinfected with disinfectants.

Please do not turn off the power when going up and down the hill, otherwise it will lead to the slope!

Content

- I.Summary
- II.Scope of application
- III.Product performance, security feature,main structure and composition
 - I).Main structural composition and specification parameter
 - II).Function summary
 - III).Operation of wheelchair
- IV.Instruction,announcement
- V.Product maintenance
- VI.Interpretation of the patterning,symbol,abbreviation,etc. Used in the labeling of medical device
- VII.Error code description
- VIII.Circuit diagram

I.Summary

This manual is applicable to electric wheelchairs, including safety precautions, function instructions and maintenance information of various models.

The patterning in this manual is only for the users' reference. Please refer to the real object for actual use.

II.Scope of application

This product is used for the elderly,the disabled and other group with weak ability to walk (except for the group that can not judge the walking environment),especially suitable for indoor, courtyard, sidewalk and other environmental short-distance walking,is ideal walking tool for the elderly & the disabled.

III.Product Brief Introduction

I).Specification & Part

This wheelchair is composed of frame,cross-bar,8'' PU front wheel,10'' rear wheel with brushless hub motor,controller,battery,joystick,anti-wheel,cushion for seat and backrest & footplate etc. Its structure diagram is shown in the following figures.

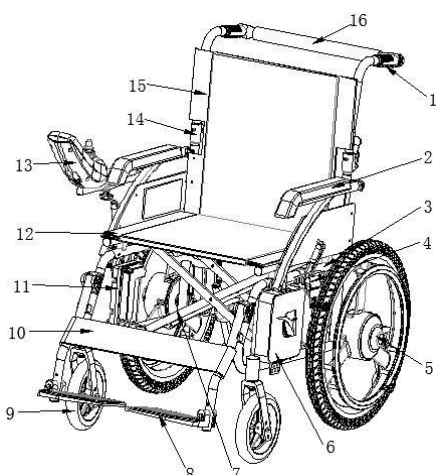
Electric Parameter:

- 1.Motor: DC24V 350W 2PCS
- 2.Lithium battery capacity: DC24V 10AH 1PCS
- 3.Charger: AC110-240V 50-60Hz Max Output: 2A
- 4.Controller: Max Output: 50A Normal Working Current: 2-3A

Performance Parameter:

- 1.Maximum Speed: $\leq 6\text{KM/H}$ Brake Performance: $\leq 1.5\text{M}$
- 2.Static Stability: $\geq 9^\circ$ Dynamic Stability: $\geq 6^\circ$
- 3.Minimum Radius of Gyration : $\leq 1200\text{MM}$
- 4.Theoretical Range: 20KM/Single Battery

Item	Overall Length	Total Width	Overall Height	Seat Width	Front Wheel Dia.	Rear Wheel Dia.
Parameter	99CM	53CM	91CM	46CM	8''	20''
Item	Seat Height	Seat Depth	Backrest Height	Folding Width	Net Weight	Loading Capacity
Parameter	48CM	40CM	41CM	33CM	25.5KG	100KG



- 1.Handle cover
- 2.PU armrest
- 3.Aluminum frame
- 4.Brake with detachable handle
- 5.20'' rear wheel
- 6.Battery box*1
- 7.Cross bar
- 8.Footplate
- 9.8'' front wheel
- 10.Foot belt
- 11.Controller box
- 12.Seat cushion
- 13.Controller
- 14.Aluminum drop back handle
- 15.Backrest cushion
- 16.Balance tube

*The graphics in this manual is only for the users' reference . Please refer to the real object for actual use.

II). Function Summary

The wheelchair has both safety and convenience in design. Its main functions are listed as follows:

1.Folding aluminium alloy frame; 2.Portable structure; 3.Folding backrest; 4.Adjustable footplate ;5.Electric Manual with one button switching; 6.Real time speed display; 7.FM radio; 8.Brushless hub motor; 9.Bluetooth function; 10.Intelligent function reminding; 11.Intelligent brake when lower power 12. FOC vector control technology

III). Wheelchair Operation

1.Installation



1.Unfolding two sides armrests



4.Arrange the connector line
in the velcro of the back pad root



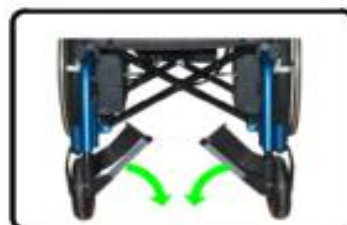
2.Ten fingers are inward,
slowly pressing down



5.Follow the above step,
bond the velcro to the backrest



3.Upfill the back handle



6.Downhill the footplate

2.Folding



1.Folding the footplate upside



2.Lift the cushion from the middle position

3.Controller Installation

The controller is installed on the right by default (if you need to adjust the installation position, you need to remove the fixing screws of the holder first, and then switch to the left for installation). First unscrew the knob, insert the fixing rod into the slot of the fixed bracket, move the fixing rod back and forth to the appropriate position as needed, then screw in the knob and tighten it, then connect the control line connector and control box on the controller. Insert the corresponding connector on the upper and tighten the coupling nut (Figure 3-1).



When the joints are docked, attention to the matching of the slots. The black arrows on the left and right connectors should be corresponding, and must not be forcibly inserted to prevent damage to the connectors (as shown in Figure 3-2).

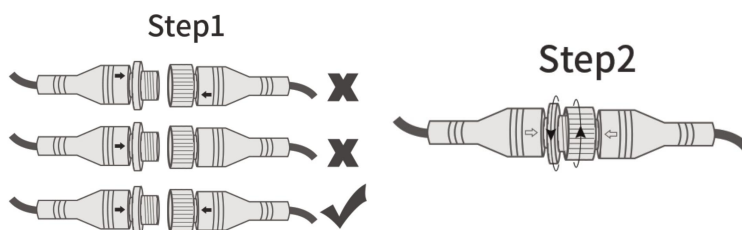


Figure 3-2

4. Install the anti-wheel, insert the anti-tube and the corresponding position of the back frame on left and right respectively, and then fix it with screws (as shown in Figure 4). There is a balance bar behind the wheelchair, which mainly makes the wheelchair more stable and more comfortable for the user. When folding the wheelchair, take off the screw to lift away the tube and fold it (as Figure 4).



Figure 4

5. Remove the screw below the left handrail as shown in Figure 5-1 (left) (the screw is the front one of the left handrail), and reinstall the screw to the position below the right handrail corresponding to the position in the left side. Re-tighten the screws by replacing the removed the controller holder with the screw hole under the left armrest.



Figure 5-1

Pull out the controller cable on the right side and reel the cable from the bottom of the wheelchair to the left side (Figure 5-2).



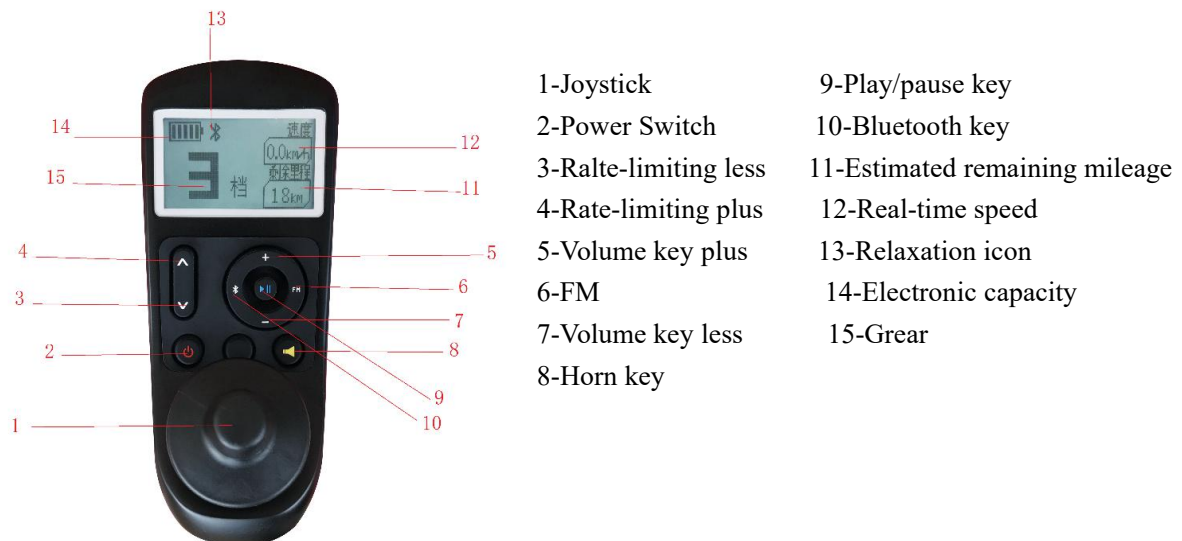
Figure 5-2

IV Using Introduction

1. Electric Wheelchair Operation

- 1) After the user is well seated, turn on the power switch of the controller, and the wheelchair will be turned on after a prompt alarm. The LCD displays the current power and remaining mileage. The system sets the safe starting strategy. Please release the joystick when turn on the electric wheelchair, otherwise, the system will be faulty and no working.
- 2) The speed is adjusted by the button on the controller. There are five gears in total. It is suitable to use low speed when starting. The real-time speed can be displayed during the driving. At the same time, the gear position cannot be changed during the driving. The first time users recommend low speed driving; an accident occurred due to unskilled operation.
- 3) It is easily and freely to use the electric wheelchair, pull the handle to start slowly, the wheelchair keeps the same position according to the joystick forwarding position, left, right, forward and backward.
- 4) If you need alarm, press the button marked with the horn symbol on the controller.
- 5) When the battery is fully charged, it displays 5 grids. When the battery is low, the grid is zero or the battery icon flashes. It is recommended that when the remaining battery power is insufficient, please charge it in time to keep the battery fully charged.
- 6) Press down the power switch for a long time, and turn off the wheelchair after a prompt alarm.

2. Controller Function Description



- Joystick: as figure 1, it is available for controlling and speed with the joystick.
- Power Switch: as figure 2, turn on the power switch , the wheelchair is power on when hear a”Drop” sound ; press the power switch for three seconds, the wheelchair is power off when hear a”Drop” sound.
- Rate-limited Gear: less gear as figure 3, press it for lowering the max speed; plus gear as figure 4, press it for inreasing the max speed. If the power capacity less than10%, it will be changed as ralted-limited gear automatically, display “ Rate-limited Gear”; if power capacity less than 2%, it will be changed as prohibited gear automatically, display “Prohibited Gear”.
- Volume Key: as figure 5 &7 separately realize volume add and subtract.
- Relaxation: Blue-tooth as figure 10, press the botton of blue-tooth (as figure 13),it is available for mobile phone ,bracelet etc to connect with the wheelchair; FM Radio as figure 6, press the radio botton,voice prompt alarm for "Radio" on, press the broadcast button to change the channels (as figure 13 display FM), as figure 9 to realize the functions of pause/ play; if off the FM, just press the botton of blue-tooth.
- Horn: as figure 8, it is sound when pressed,no sound if released.
- LED Display: as figure 11, indicates the rest of endurance, endurance for 20KM with full capacity (based on full capacity ,100KG loading capacity, enviromental temperature 25°C,6 KM/H average speed on the flat road).In daily use, the endurance would be influted if high frequently to change the direction,stop or start or walking on the long slope; as figure 12, display the real time speed; as figure 15, display the using gear, advise to use low gear with constant speed lower speed for safety; as figure 13, display the relaxation ,turn on the blue tooth defaultly; as figure 14, display the current battery capacity ; when the battery is insufficient, please charge in time.

2.Electronic Brake

This electric wheelchair adopts advanced electronic brake system, and it can stop when the user stops in any road condition. It is absolutely safe to use. Note that the electronic brake will consume some power after starting. If it is turned on for a long time, it will reduce the cruising range of the wheelchair. It is recommended that the user turn off the controller without using the wheelchair to reduce the power consumption.

3.Intelligent Brake when Lower Power

- 1)The wheelchair is available with two driving modes, electric and manual. When the electric wheelchair is turned on, the electric mode is automatically activated; in the off state, it is the manual mode. When the user stops, please tighten the left and right rear brakes.
- 2)During the trip, if the power is less than 10%, it will automatically switch to the speed limit (speed drop below 1.5km/h). In this state, its endurance continue for about 2km; if the power is lower than 2%, it will automatically brakes and displays the forbidden line. It is recommended to tighten the rear wheel brake or turn on the manual mode to seek help from the caregiver.
- 3)In the case of uneven roads, it is also recommended to use the manual mode, which is boosted by the caregiver to ensure safety.

4.Charging

- 1)To use the request charger provided with wheelchair to ensure safe use; to plug charging output plug into the charging socket on the back of the controller.
- 2)The power plug of the charger is inserted into a power source with a matching voltage and frequency.
- 3)When the charging indicator on the charger turns green, it means that the power is sufficient. (The battery capacity is 10Ah. The charging time depends on the remaining power in the original battery. The uncharged new battery is filled for about 4-5 hours for the first time.) After the battery is fully charged, unplug the charger and the charging output plug.
- 4) Charge Mode:Insert charging head into the charging port on the bottom of the controller, as shown in the figure.



Caution: Causes of minor injuries and moderate injuries



When unfolding the cushion,
attention to the position of the finger to avoid pinching



When pressing the backrest handle,
attention to the position of the finger,
don't place in the groove to avoid pinching.



When get up from a wheelchair,
don't stand feet directly on
the footplates to avoid overturning.



When getting on and off the wheelchair,
attention to fix the rear wheel brake first
prevent the rear sliding, then lift the footplate to ensure safety

V. Product Maintenance

1. Preventability Checking

- Be sure to check the following items before boarding, so that the wheelchairs are always kept in a safe state.
- When you need to repair, please inform the after-sales service department in time.



1) Note: Check the screws on the universal wheel, drive wheel, brake and other parts. If it is loose, please lock it.



When the brake effect is not good, please adjust the tire pressure. If there is still a problem after the tire pressure adjustment, please inform the after-sales service department;

2) If a puncture occurs, please ask the after-sales service department or the nearest bicycle shop for help. Do not use the wheelchair in the state of flat tire;

3) Do not place the wheelchair in a location that is easily exposed to water;
Regularly check that the screws and make sure the screws are secure.

2. Cleanout, maintenance and maintenance period

1) Wipe the wheelchair body with cleaning water or cleaning solution everyday



It can't be wiped with a detergent such as alcohol.

2) It should be used the lubricant to maintain wheelchairs every month.

3) Wash the seat cushions, backrest cushions, and handrails regularly with warm water and diluted soapy water.

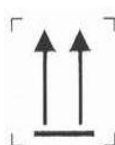
VI. Interpretation of graphics, symbols, abbreviations, etc. used in medical device labels



Fear of rain and wet



Fragile, handle carefully



UP



Caution, read manual



Prohibit roll



IXP3

B type applied par

Classification of the degree of protection of the incoming liquid

2. Conditions and methods for product storage and transportation

Stored in a well ventilated room, the ambient temperature is $-10^{\circ}\text{C} \sim 45^{\circ}\text{C}$, the relative humidity is not more than 93%, no harmful gases, flammable, explosive substances and corrosive gases are allowed.

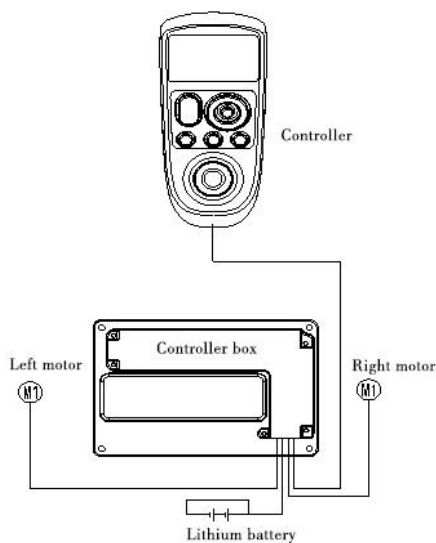
It is suitable for road, railway, aviation and waterway transportation. It should prevent severe vibration and impact during loading and unloading and transportation, and should not be damp. It should not be mixed or mixed with flammable and corrosive materials.

VII. Error Code Introduction

Please read the above operating instructions and precautions carefully. The wheelchair has undergone rigorous product testing and the product quality is excellent. If the error code appears on the LCD screen due to misoperation, please refer to the following error code description, repair according to the error description, if the hardware problem, please contact the customer service to explain the situation, timely repair and processing, the error code description as following:

Error Code	Fault Cause	Solution
0001	Joystick Fault	When starting the wheelchair, please release the joystick; if the fault still shows, please contact the serviceman
0002	Left motor Hall fault	Contact serviceman
0004	Right motor Hall fault	Contact serviceman
0008	Left motor overcurrent or current testing fault	Contact serviceman
0010	Right motor overcurrent or current testing fault	Contact serviceman
0020	Power overvoltage or undervoltage	Contact serviceman
0040	15V voltage fault	Contact serviceman
0080	Left motor brake fault	Contact serviceman
0100	Right motor brake fault	Contact serviceman
0200	Left motor fault	Contact serviceman
0400	Right motor fault	Contact serviceman
0800	Communication fault	Contact serviceman

VIII. Circuit Diagram



Warranty Card

Replacement parts and Warranty policy please contact the Seller for information.

The Buyer : _____

Address : _____

City : _____

State / Province : _____

Zip / Postal Code : _____

Email : _____

Phone Number : _____

Product Model : _____

Date of Purchase : _____