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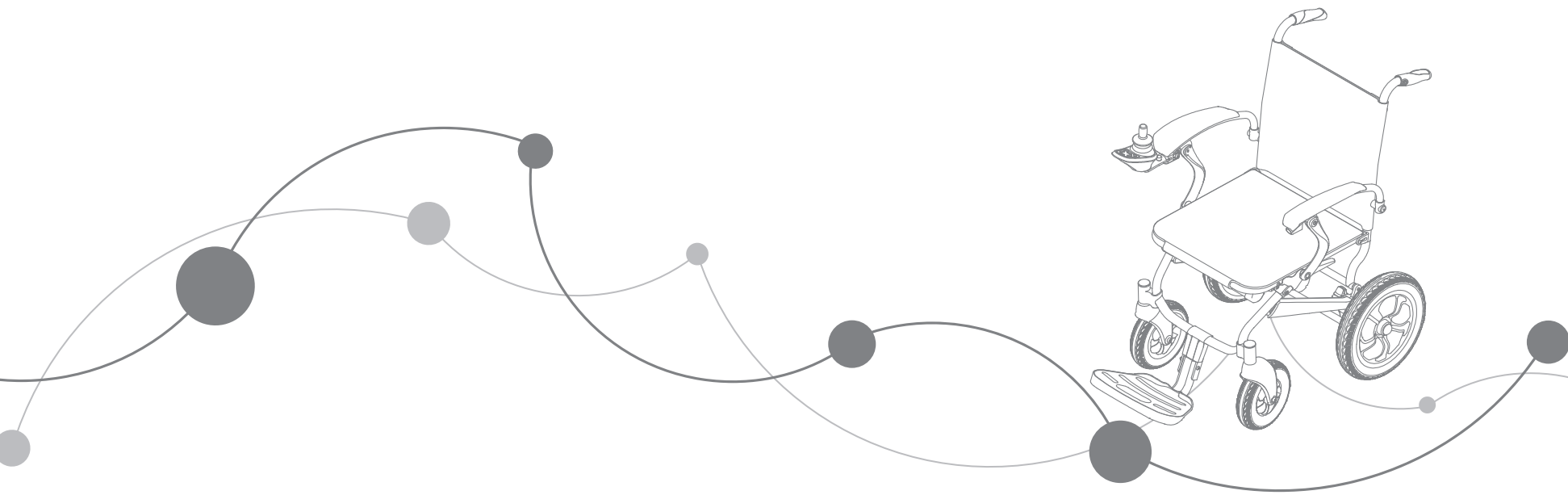

Electric Wheelchair

D130FL

Product Operation and Technical Instructions

JIANGSU YUYUE MEDICAL EQUIPMENT & SUPPLY CO.,LTD.
No.1 Baisheng Road Development Zone, Danyang,
Jiangsu 212300 CHINA
www.yuwell.com

EC REP Metrax GmbH
Rheinwaldstr. 22, D-78628 Rottweil, Germany

CE

530830-0A

Please carefully read these instructions before using the product
Please refer to the qualification certificate or outer packaging for date of manufacture

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I. Preface

Hello, dear user!

We appreciate your trust of Yuyue Medical and purchasing our electric wheelchair. This electric wheelchair carefully developed by Yuyue Medical has received a lot of praise for being light, energy-saving, efficient, flexible, and safe.

Before use, please read this user's manual carefully so that you can better understand the functions of the electric wheelchair, better control the electric wheelchair, and perform maintenance as required to ensure that the wheelchair is in good condition.

If you encounter product problems during use, please contact the agency or manufacturer, or call the 400 toll-free number on the end page. We will be eager to answer you!

II. Safety Guidelines

- ⓘ Do not operate your electric wheelchair until you have read and fully understood this manual.
- ⓘ Do not operate your electric wheelchair until the installation and inspection work is complete.
- ⓘ It is recommended that people with mental abnormalities, late reactions, and difficulties in operation should not use the electric wheelchair.
- ⃠ Do not self-disassemble or convert the electric wheelchair or replace the wheelchair with parts not manufactured by our company.
- ⃠ Do not get in and off the electric wheelchair when the controller power is on or the electric wheelchair is manually powered and no helper to secure the electric wheelchair.
- ⃠ Do not use the electric wheelchair when the anti-tip wheel fails to spread out or out of function.
- ⃠ Do not tilt or lift the electric wheelchair to one side during normal use of the electric wheelchair.
- ⃠ Do not stand on the footrest to avoid the side rollover of the electric wheelchair.
- ⃠ Do not turn to other directions on slopes.

⦸ The electric wheelchair cannot be operated by two people at the same time in order to prevent accidents.

⓵ The moving electric wheelchair should slow down to less than 2km/h before making turns.

When going downhill, drive slowly with the lowest gear; when going uphill, please drive carefully with low speed and the body properly leaning forward.

⦸ Electric wheelchairs are strictly prohibited for using when being transported.

⓵ Check that the wheel connections are secure and reliable.

⓵ Be gentle when pulling the controller joystick, and avoid quickly pulling back and forth.

⦸ The controller is the core component of the wheelchair, do not park the electric wheelchair in the open air for a long time. When it rains, place the electric wheelchair indoors to avoid moisture.

⓵ Make sure that the "manual/electric" handle of the left and right motors are in "electric" gear before turning on the controller.

⓵ Do not switch the "manual/electric" handle of the motor to the "manual" position during moving the wheelchair; in the electric state, if you need to use radio communication equipment such as mobile phones and laptops, turn off the power of the electric wheelchair controller first.

⦸ Electric wheelchairs are suitable for flat and low-slope ground, avoiding road surfaces with slopes greater than 6 degrees and obstacles above 4 cm.

⓵ It is strictly forbidden to pass through sewers and other places with horizontal gaps.

⓵ If you do not use the electric wheelchair for a long time, turn off the power switch on the battery box.

⓵ Our electric wheelchair shall be used outdoors within the range of the community.

⦸ Contraindications: none

⦸ It is forbidden to drive on the highway, otherwise it may cause traffic accidents.

III. Product Features

I. Scope of Application

- The electric wheelchair is applicable for the disabled and the elderly and infirm with mobility difficulties.

II. Product Composition

- This product consists of the frame, controller, motors, battery, footrest, armrest, front wheel, and rear wheel.

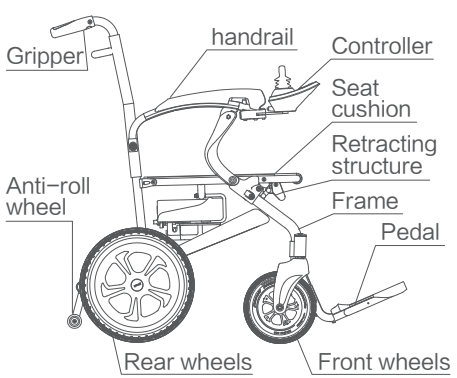


Figure 3.1

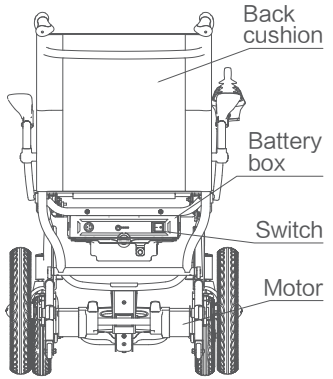


Figure 3.2

III. Structural Characteristics

- Energy saving-high efficient motors.
- Easy-to-fit folding frame.
- Smart controller: power button, power display, universal joystick, and horn.
- Safe and reliable electromagnetic braking system.
- Anti-tipping device.
- Quick disassembly lithium battery pack
- Two modes of operation: autonomous electric drive mode and power boost mode.

IV. Technical Parameters

Product type: outdoor device	Maximum speed: ≤6.0km/h
Operation environment temperature range: −25℃ ~ +50℃	Weight capacity: ≤100kg
Maximum driving distance per charge: ≥20km	Horizontal braking performance: ≤1.5m
Maximum safe slope braking: ≤3.6m (6°)	
Maximum safe slope braking: ≤3.6m (6°)	
Battery: lithium battery DC24V × 12Ah	
Obstacle crossing height: ≥40mm	Ditch crossing width: 100mm
Minimum turning radius: 1.2m	
The above parameters will change due to the weight of the occupant, use environment and battery usage.	
Conditions for normal operation:	
Environment temperature range: −25℃ ~ +50℃	Relative Humidity range: 25% ~ 95%
Atmospheric pressure range: 86kPa ~ 106kPa	
Internal power supply: DC24V ± 5V	
Electrical Requirements: Type B applied parts	Operation mode: continuous operation
Ingress of liquid protection: IPX4	Motor power: 130W on each side
The equipment cannot be used with flammable anesthetic gas mixed with air or flammable anesthetic gas mixed with oxygen or nitrous oxide.	

IV. Description of Symbols

Symbols related to safety requirements of the electric wheelchair and their meaning

Symbols	Meaning	Symbols	Meaning
	Type B application part		Up
	Rain−proof		No rolling−over
	Fragile: please handle carefully		Stacking layers limit
	Manufacturer		Refer to instruction manual
CE	This device fulfils the provisions of (EU) 2017/745 (Medical Device Regulation)		
IPX4	Splash−proof: a water splash in any direction will not cause any harmful effect		
	Note! Check the document attached to the electric wheelchair		
	The pollution control mark of electronic information products, indicating that the environmental−protection use period is 10 years, except for consumables		
	ⓘ This sign indicates the mandatory contents (must be observed). The specific mandatory contents are expressed in words or drawings in or near. ⓘ The left figure indicates the "general mandatory contents"		
	⃠ This sign indicates the prohibited contents (not allowed). The specific prohibited contents are expressed in words or drawings in or near. ⃠ The left figure indicates the "general prohibited contents"		

V. Unfold and Fold Description

I. Unfolding

●Take out the electric wheelchair from the carton, as shown in Figure 5.1; Place the controller in the direction shown in the figure and lock the wrench in the direction shown in the figure, as shown in Figures 5.2 and 5.3.

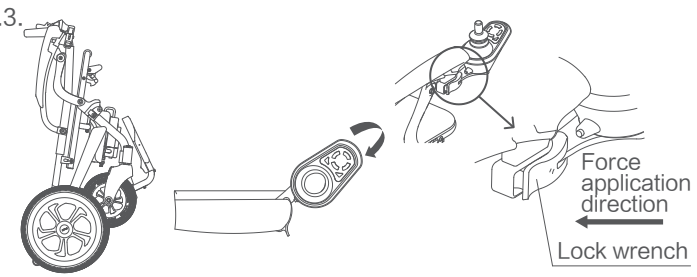


Figure 5.1 Figure 5.2 Figure 5.3

●Place the electric wheelchair flat, hold the gripper with your left hand, and press the seat tube with your right hand, with the center of gravity biased towards he seat tube, as shown in Figure 5.4, until the wheel-chair is fully expanded, as shown in Figure 5.5.

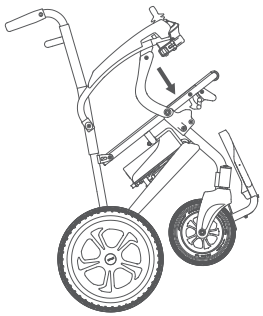


Figure 5.4

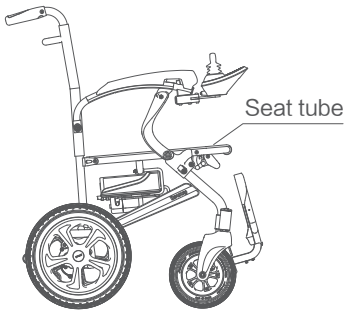


Figure 5.5

●Put down the pedal, as shown in Figure 5.6.

●Push the retracting lever inward by hand. Locking is completed when you hear a "click" sound, as shown in Figures 5.7 and 5.8.

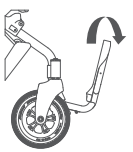


Figure 5.6

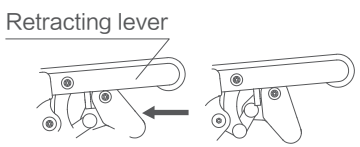


Figure 5.7

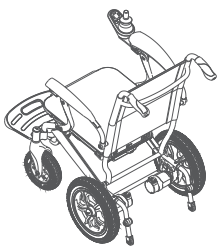


Figure 5.8

●Press the anti-roll assembly retraction button and turn the anti-roll assembly ounterclockwise until a "click" sound is heard. The anti-rol-lassembly is expanded, and the anti-roll pipe is about 4 cm above theground, as shown in Figures 5.9 and 5.10.

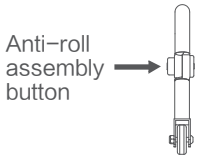


Figure 5.9

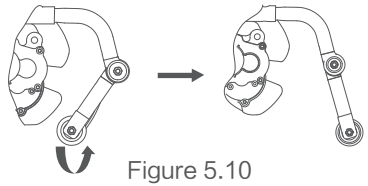


Figure 5.10

II. Folding

●As shown in Figure 5.6, retract the pedal, press the anti-roll assem-bly retraction button and turn the anti-roll assembly counterclockwise until a "click" sound is heard. After the anti-roll assembly is retracted, do not step on the anti-roll wheel with your foot, as shown in Figure 5.11.

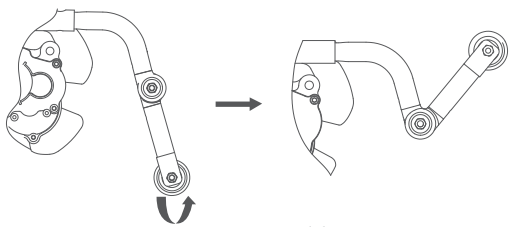


Figure 5.11

●Hold the handrest wheel with your left hand, and pull the retracting lever with your right hand, with the direction upward, then the wheel-chair is retracted as shown in Figure 5.12.After folding, place the wheelchair upright, as shown in Figure 5.13.

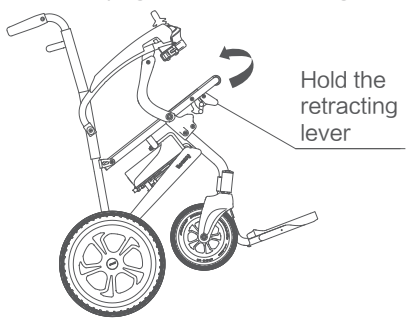


Figure 5.12

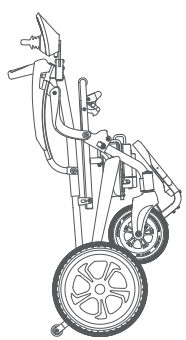


Figure 5.13

VI. Introduction description

I. Function description of controller

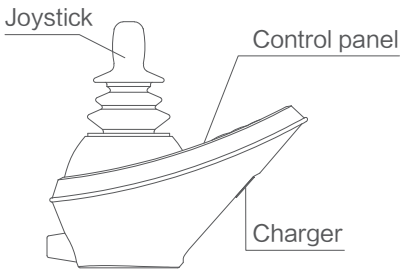


Figure 6.1

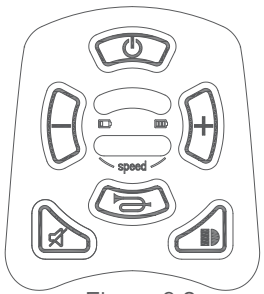
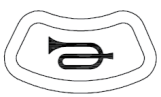
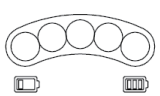


Figure 6.2

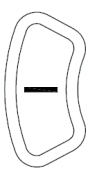
Power button



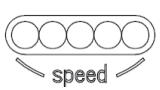
Horn button



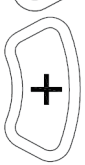
Battery gauge



Speed accelerating button



Speed indicator light



Speed decelerating button

- **Joystick**

  The main function of the joystick is to control the direction and speed of the wheelchair. The direction in which the joystick is pushed away is the same as the forward direction of the wheelchair. The farther the joystick is pushed from the center position, the faster the wheelchair will move. When the wheelchair is stopped, please do not push the joystick violently, and use it as gently as possible. Holding the joystick, you can control the electric wheelchair to move forward, backward, turn left and right. It will automatically return to position when the joystick is released, and the wheelchair will automatically brake.

- **Battery gauge**

  The battery gauge is the indicator light of the battery level. The full charge status can be shown by 1 red, 2 yellow, and 2 green LED lights. When the 2 green LED lights are all on, it means the battery is fully charged. When only the yellow or red LED lights are on, it means that the battery is low, and please charge it as soon as possible to ensure the normal use of the wheelchair.

- **Speedometer**

  Display the maximum speed setting value of the wheelchair. There are five speed settings: gear 1 is the slowest and gear 5 is the fastest.

- **Horn button**

  Press this button to sound the horn.

- **Accelerating button**

  Press this button to increase the speed setting value. Each time you press it, the gear will increase by one gear, and it will not change when it reaches the 5th gear.

- **Decelerating button**

  Press this button to decrease the speed setting value. Each time you press it, the gear will be reduced by one gear, and it will not change when it reaches the first gear.

II. Conversion between electric and manual driving

When the wheelchair does not need to be moved by electric driving and is moved manually, turn the left and right motor handles to make them all in the "manual" position; when driving in electric power, the joysticks shall all be in the "electric" position.

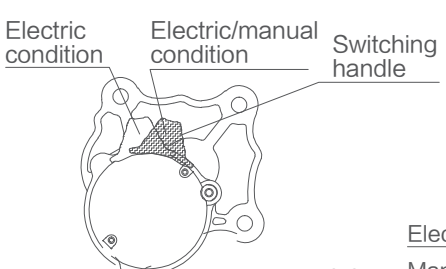


Figure 6.3

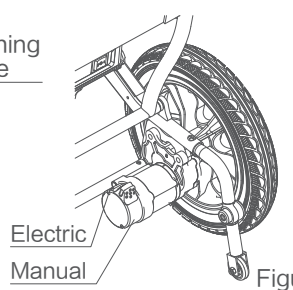


Figure 6.4

III. Battery box description

As shown in Figure 6.5, pressing the power display button, the indicator light will be on, which can display the current battery power; after release the pressing, the light will go out. When 4 green lights are on at the same time, it means the power is sufficient; when 3 green lights are on, it means the power is normal; when 2 green lights are on, it means the power is insufficient; when 1 green light is on, please charge immediately; disassembly steps: unplug the controller connector, turn the knob 180 degrees counterclockwise to remove the battery box;

①Unlock: turn the knob of the battery box counterclockwise 180 degrees to pull out the battery box

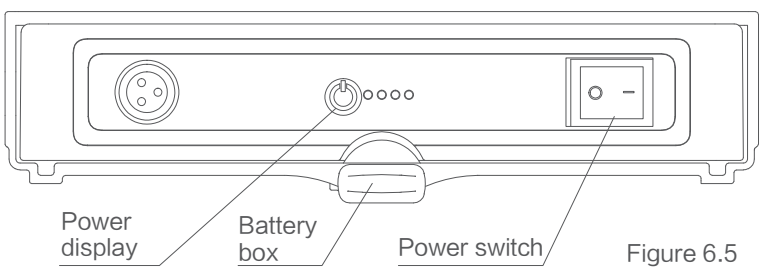


Figure 6.5

②Remove the battery box

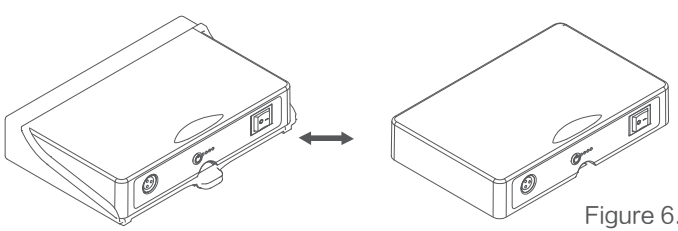


Figure 6.6

③Install the battery box: insert the battery box and turn it clockwise 180 degrees to lock it

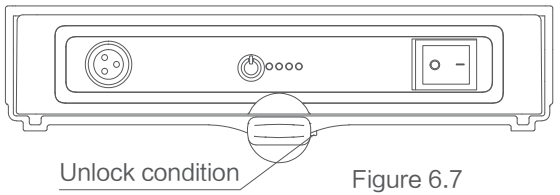


Figure 6.7

IV. Charging description

- It is recommended that users choose to purchase the charger recommended by our company: the lithium battery charger has a nominal output of 24V, and the charger should meet the requirements of the IEC60601-1.

Note

- When charging, turn on the power switch on the battery box of the electric wheelchair, and turn off the power button of the controller. Note: The power switch on the battery box is off when it leaves the factory. Be sure to turn on this power switch when charging. "I" is the on state, and "O" is the off state, as shown in Figure 6.8.

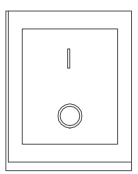


Figure 6.8

- Insert the output plug of the charger into the lower slot of the controller, as shown in Figure 6.9.

⚠**Note:** When charging from the controller port, it is strictly prohibited to unplug the controller power cord from the battery box, DO NOT touch the pins inside the power connector.

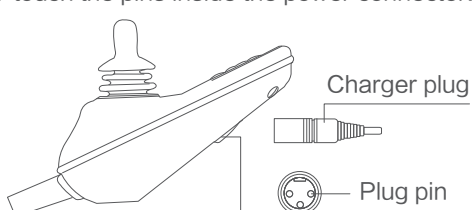


Figure 6.9

- Charging method 2: Remove the battery box from the electric wheel-chair, and insert the charger plug into the slot on the battery box, as shown in Figure 6.10.

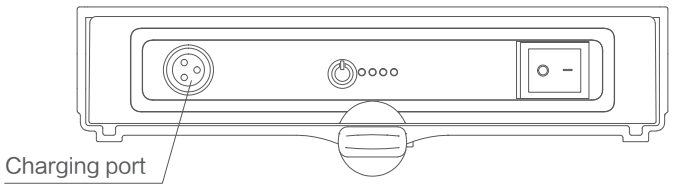


Figure 6.10

- Please do not change the circuit arbitrarily to ensure the correctness of the circuit.
- During the charging process, do not disconnect the battery circuit to prevent burns or fire.

V. Normal driving steps

- Turn on the power switch on the battery box and press "I" to make it in a normal working state, as shown in Figure 6.8.
- The handles of the two motors are both turned from "manual" to "electric" position.

⚠**Note:** The motor switching handle is forbidden to switch on the slope.

- Press the power button of the controller to check whether the electronic brakes of the electric wheelchair are effective. If the wheelchair cannot be moved, it means that the electronic brake is effective, otherwise you should contact the agency or manufacturer.
- After sitting in the electric wheelchair, turn on the power button of the controller, the indicator light will light up, and the joystick should be in the middle position.
- You need to concentrate on controlling the wheelchair, which is especially important for first-time drivers. The joystick can control the direction and speed at the same time. Push the joystick slowly in the moving direction, and the electromagnetic brake will be released with a "kada" sound, and then the electric wheelchair will start to move.

Increase the pushing scope of the joystick to accelerate, otherwise it will decelerate.

- If you want to stop the electric wheelchair while driving, just release your hand to reset the joystick and stop smoothly; while moving forward, if you suddenly pull the joystick backward or press the power button of the controller, the wheelchair will stop immediately.
- The speed adjustment button of the controller can adjust the speed of the electric wheelchair. The user should choose the maximum speed of the electric wheelchair according to his physical condition and road conditions.
- The electric wheelchair is suitable for driving on flat roads. For muddy, bumpy, and uneven roads, the transmission station and control system of the electric wheelchair may be damaged.

VII. Daily Maintenance

Note

Before maintenance, press the power switch on the battery box to the "O" state.

- It is strongly recommended to adjust and exchange worn parts. Please find a professional personnel or contact the manufacturer.

Inspection cycle	Daily	Weekly	Monthly	Seasonally	Half yearly
Battery	√				
Wheel/tires pressure	√				
Wire		√			
Frame				√	
Controller			√		
Motor			√		

Connec-tor part			√		
Cushion					√
Wheel/tires					√
Electromag-netic brake					√

The replacement method of worn parts is as follows (If it is difficult to replace any accessory, please contact the manufacturer in time, and ask the manufacturer to replace it):

●Front wheel replacement method: Unscrew the screw with a wrench, remove the front wheel, install the new front wheel, tighten the screw, adjust the tightening of the screw, and confirm that the front wheel rotates flexibly.

●Rear wheel replacement method: Please find a professional personnel or contact the manufacturer for repair and replacement.

●Seat (back) cushion: Use a screwdriver to unscrew the screw, remove the seat (back) cushion, put on the new seat (back) cushion, and tighten the screw with a screwdriver.

●Armrest replacement method: Use a wrench to unscrew the screw, remove the armrest, buckle the new armrest, and tighten the screw with a wrench.

- **Battery:** Mainly check the remaining power of the battery. If the battery life has expired, if you need to replace the battery, you can contact the supplier or manufacturer or buy a battery with the same specifications locally.
- **Wheel/tires pressure:** 310×50 wheels are inflated to 260kpa (maximum 325kpa), which can be adjusted according to different weights and temperature changes; chronic air leakage occurs under long-term storage or not in use, which is normal; when you are using a wheelchair, please read the following usage methods carefully: a. When the air volume of the wheel is insufficient, the operation steps are as follows:

(1) First press the wheel/tires evenly by hand to make the wheel/tires

and the rim evenly fit; (2) Fill the wheel/tires to a suitable level; b. when the pneumatic wheel/tires is completely deflated, the operation step are as follows: (1) Inflate the deflated wheel/tires in a small amount of about 30% of the full capacity, and then press the wheel/tires evenly by hand to make the wheel and the rim evenly fit; (2) Fill the wheel/tires to a proper state.

- **Wires:** electrical parts and connecting wires, check for damage or breakage, if so, please contact the supplier or find a qualified person to deal with it, do not try to repair it yourself.
- **Frame:** Please wipe the surface coating of the frame with a soft cloth and keep it clean; it is forbidden to use lubricant to maintain the wheelchair. If you find any cracks in the frame, please contact the supplier.
- **Maintenance of the controller:** Clean the controller and the joystick with a cloth moistened with a neutrally diluted detergent. Be careful to clean the joystick. Never use abrasive materials or alcohol-based cleaners for cleaning. When transporting the wheelchair, please protect the controller from damage.
- **Motor:** Check whether there is oil leakage or increased noise. If so, please contact the supplier or manufacturer.
- **Reliability and maintenance of connecting parts:** Always check whether the screws and nuts on the wheelchair body are in a tightened state. If there is any problem, please deal with it in time to ensure driving safety.
- **Seat cushion:** Wash the seat cover and backrest with warm water and diluted soapy water, and avoid storing the wheelchair in a humid place.
- **Electromagnetic brake:** driving brake: The inspection method is to let the wheelchair drive straight forward at the maximum speed on a flat asphalt road, then release the joystick of the controller to automatically return to the original position, and measure the distance from the release of the joystick to the parking. If the distance is larger than the original value, the braking effect has decreased. If the distance exceeds 1.5m, you should contact the supplier or manufacturer for repair.

▶ **Use and maintenance of batteries:**

●Pay attention to the power indication on the controller panel. If the green light is off, please charge it as soon as possible; when the red light is on, the battery is seriously insufficient and must be charged immediately to prevent the battery voltage from being too low and affecting the battery life.

●The battery is marked with obvious positive and negative signs, and there are reliable connectors to ensure the normal connection of the circuit. Non-professionals should not connect the circuit randomly.

●During the charging process, the battery temperature will rise, but it is not allowed to exceed 45℃; if it exceeds 45℃, stop charging and continue charging when the temperature drops below 35℃. If the wheelchair is parked without using for a long time, the battery should be recharged at least once a month.

●The battery has a service life. After normal long-term use, if there is a significant difference between the electric vehicle's mileage and the nominal mileage after charging, please replace the battery.

●Please do not use the battery when the temperature is ⩾50℃ or ⩽-20℃.

●Keep the battery clean and dry. Do not knock the battery with hard objects. Keep the battery well and keep it out of the reach of children.

●The power switch on the battery box can cut off the battery power and reduce the natural loss of the battery power. When the wheelchair is not used for a long time, please turn off the power switch on the battery box.

●"Fully charged state", develop the habit of keeping the battery fully charged. According to your usage, please recharge it in time to keep the battery in "fully charged state" for a long time.

●The disposal of wastes shall be handled in accordance with the national regulations on environmental protection.

VIII. Transportation and Storage

▶ **1. Transportation**

The product should be upright during transportation, no rain, no rolling, be careful when placing, and limit the height to 2 layers.

▶ **2. Storage**

The product should be placed in a dry and ventilated place, and should not be placed in an environment with high temperature and rapid temperature changes; the product should be isolated from chemically corrosive substances such as acids and alkalis.

▶ **3. Transportation and storage environmental restrictions**

Environment temperature range: -40℃ ~ +65℃

Relative humidity range: 10% ~ 100%

Atmospheric pressure range: 86kPa ~ 106kPa

IX. Trouble Shooting and Specification

▶ When the power button on the controller is pressed, there is no power signal. At this time, confirm whether the power switch on the battery box is in the "I" position. If it is in the "O" position, firstly press the power switch on the battery box to the "I" position. Because the lithium battery will cut off the power when overloaded, you should first press the power switch from the "I" to the "O" position, and then press it to the "I" position.

▶ When an error occurs, the controller will emit an alarm sound and flash, and the error can be judged according to the number of alarm sounds and dealt with accordingly.

●Through the function of the built-in information consultation device in the product, the displayed diagnosis number can reflect the nature of the abnormal condition. These abnormal conditions can still be detected without using other service tools. Sound information means: alarm sound, cyclic reminder.

Diagnosis sound	Diagnosis description	Recommended handling method
1	Low voltage	The battery voltage is low, and use it after charging; the battery is broken, and use it after replacing the battery; or the battery cannot be charged.
2	The right motor error	Check whether the right motor, connecting device and/or motor wire are loose.
3	The right brake device	Check the right brake device, whether the connection device and/or the wire are loose. And whether the brake switch is damaged, or the switch is in poor contact.
4	The left motor error	Check whether the left motor, connection device and/or wire are loose.
5	The left brake device	Check the left brake device, whether the connection device and/or the wire are loose. And whether the brake switch is damaged, or the switch is in poor contact.
6	The right motor has an overcurrent protection state	Check the brake and whether the motor drive station is stuck. The current is not high through the ammeter, which may be a controller problem.
7	Joystick	The joystick does not reset or the joystick wire is broken, or the connector is loose.
8	Controller error	Please consult the repair manufacturer.
9	Controller error	Please consult the repair manufacturer.

Most of the failures of electric wheelchairs are related to batteries, motors and controllers.

No.	Fault	Cause analysis and solutions
1	The power indicator does not light up after pressing the controller power button	The connection between the battery and the controller is incorrect. Please reconnect it correctly after checking.
		The battery voltage is too low. If it still does not light up when charging the battery, the battery may have reached the end of its service life. Please replace the battery.
		For controller problems, please contact the agency, manufacturer or after-sales service department.
2	High battery voltage	The battery is charged too high. After charging, the voltage is not more than 29.4V.
3	Low battery voltage	The connection between the battery and the controller's connector is unreliable, please reconnect it.
		The contact resistance of the wiring between the batteries is large; if the contact resistance is not large, the contact surface may be oxidized or loosened. Remove the oxide layer or install the connector.
4	The motor does not work	The connection between the battery and the controller is incorrect. Please reconnect it correctly after checking.
		For motor problems, please contact the agency, manufacturer or after-sales service department.

No.	Fault	Cause analysis and solutions
5	Motor brake failure	The motor connector is unreliable, please reconnect it.
		The electric brake coil has been damaged.
6	No indication of charging	The connection between the motor and the controller’s connector is unreliable, please reconnect it.
		The battery life is up or the charger is damaged, please replace the battery or charger.
7	Short driving distance after charging	The battery is not fully charged, please recharge.
		The battery is approaching its service life, please replace the battery.

X. Electromagnetic Compatibility Description

⚠ **Note:**

- This product complies with the requirements of the relatedcon−tent in the EMC (electromagnetic compatibility) Stan−dards IEC60601−1−2 and ISO7176−21.
- The user shall assemble and operate the product accordingto the instructions of use attached to the electric wheelchair.
- Portable and radio frequency (RF) communication equip−ment may affect this product. In order to avoid intenseelectromagnetic interference, do not use this product nearto mobile phone, micro−wave oven, etc.
- Please refer to the attachment for the guidelines and manu−fac−turer statement.

⚠ **Warning:**

- Do not use this product adjacent to or stacked with otherequip−ment. If it is necessary to use the product adjacent toor stacked with other equipment, observe and ensure thatthe product functions normally under the circumstances.

Electric and magnetic environment guidance in use

Guidance and declaration of manufacturer−Electromagnetic emission	
Emission test	Compliance
RF emissions CISPR 11	Group 1
RF emissions CISPR 11	Class B
Emission of harmonics IEC 61000−3−2	NA
Voltage fluctuations / flicker emissions IEC 61000−3−3	NA

Guidance and declaration of manufacturer –Electromagnetic emission	
Immunity test	Compliance
Electrostatic discharge (ESD) IEC 61000–4–2 ISO7176–21	± 8 kV contact ± 15 kV Air
Electrical fast transient/bursts IEC 61000–4–4 ISO7176–21	± 2 kV for power supply lines
Surge IEC 61000–4–5 ISO7176–21	± 1 kV line to line
Voltage dips, short interruptions and Voltage varia–tions on power supply input lines IEC 61000–4–11 ISO7176–21	0% U_T0.5 cycle At 0° , 45° , 90° ,135° ,180° ,225° , 270° and 315°
	0% U_T1 cycle 70% U_T25/30 cycles at 0°
	Voltage short interruptions : 0% U_T 250/300 cycles at 0°
Power frequency (50 Hz) magnetic IEC 61000–4–8 ISO7176–21	30A/m
Radiated RF EM fields IEC61000–4–3 ISO7176–21	20V/m 80MHz – 2.7GHz 80% AM at 1kHz
Conducted disturbances induced by RF fields IEC 61000–4–6 ISO7176–21	3V/m 0.15MHz – 80MHz 6V in ISM and amateur radio bands between 0.15MHz and 80MHz 80% AM at 1kHz
Note: $U_T$is the a.c. mains voltage prior to application of the test level.	

Test specifications for ENCLOSURE PORT IMMUNITY to RF wirelesscom–munications equipment						
Test frequen–cy (MHz)	Band (MHz)	Service	Service	Maximum power (W)	Distance (m)	IMMUNI–TYTEST LEVEL (V/m)
385	380–390	TETRA 400	Pulse modulation 18 Hz	1.8	0.3	27
450	430–470	GMRS 460, FRS 460	FM ± 5 kHz deviation 1 kHz sine	2	0.3	28
710	704–787	LTE Band 13,17	Pulse–modulation 217 Hz	0.2	0.3	9
745						
780						
810	800–960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0.3	28
870						
930						
1720	1700–1990	GSM 1800;CDMA 1900; GSM 1900; DECT; LTE Band 1,3,4,25; UMTS	Pulse modulation 217 Hz	2	0.3	28
1845						
1970						
2450	2400–2570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450,LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
5240	5100–5800	Bluetooth, WLAN, 802.11 b/g/n,R–FID2450, LTE Band 7	Pulse modulation 217 Hz	2	0.3	28
5500						
5785						
NOTE: If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000–4–3.						

XI. After-Sales Service

▶ **Warranty notice:**

If the product has quality problems caused by non-human factors within one week from the date of sale, our company is responsible for return, replacement, and repair. Under normal use and storage, if the product has quality problems due to non-human factors within one year from the date of purchase, the company will provide maintenance for free. This product has quality problems after one year from the date of purchase. Users can go to our company's after-sales service department, office or agency according to the invoice and warranty card. Our company provides parts and components for maintenance with reasonable fees. If the user is unable to provide an invoice, the warranty period shall be confirmed by the company's batch number or the factory date extended by one month. If foreign users need repairs, they can send it back to our company, but the shipping costs are borne by the customer.

▶ **Service life:** 3 years (except worn parts).

●The warranty period of important parts is as follows:

No.	Part	Warranty period
1	Frame	3 years
2	Controller	1 year
3	Motor	1 year
4	lithium battery	1 year

▶ **The following conditions are not covered by the warranty:**

①Worn and consumable parts: seat back cushions, wheels, armrests; ②Failures caused by unauthorized disassembly, repair, or modification of the product; ③Failures caused by accidental fall during use and handling; ④Improper use or other Accidental and man-made damage; ⑤Failure to follow the correct method of the manual to cause failure; ⑥Damage caused by unforeseen natural disasters (such as: fire, earthquake, flood, etc.); ⑦No warranty card; ⑧The product model recorded on the warranty card does not match the repaired product model or has been altered.

▶ The device number is displayed on the frame of each electric wheelchair.

Note

If there is a need for maintenance, you can provide the circuit diagram, component list and information necessary for maintenance. If you have any questions about circuit maintenance, you can contact the manufacturer.

XII. Additional Remarks

Electric wheelchair size and weight parameter table

Model	Total length mm	Total width mm	Total height mm	Seat width mm	Seat height mm	Seat depth mm	Arm-rest Height mm	Armrest Distance mm	Back Height mm	Distance from the footrest to the ground mm	Folding length mm	Folding width mm	Folding height mm	Font wheel inch	Rear wheel inch	Maximum load Kg	Net Weight Kg	Feature description
D130FL	980	580	900	420	460	430	230	450	410	70	470	580	900	8	12	100	21	Fixed hands and flexible feet, fold back style
Seat plane angle≥ 2° Back angle ≥ 3° Footrest to seat distance ≥ 300mm The angle between the leg and the seat surface ≥ 6° The front position of the armrest structure ≥ 250mm Axis horizontal position 400mm The quality of the test dummy = weight bearing (−2, +5)																		

We reserve the right to change the technology and appearance of this product, subject to change without notice.

Electric wheelchair packing list

No.	Name		Quantity	Remarks
1	Electric Wheelchair		1	
2	Attached	Inner hexagon spanner	2	
	Tools	Socket wrench	1	
3	User's Manual		1	
4	Warranty card		1	Posted on the wheelchair
5	Qualified card		1	

If the related parts are damaged, it is recommended to contact the manufacturer and return to the original factory for repair and replacement.

Note

Yuyue Medical is not responsible for the consequences if customers violate operation requirements or buy accessories from individual access.