

MODEL :W300 Dual Control

1. Aluminium frame; High Quality Paint; Front/Rear Type Folding
2. Leg rest can be folded backward;
3. Double layered and padded comfortable seat, with breathable foam top layered with nylon underneath. Suitable for all seasons
4. Self-invented by our reputable company with VI (certifications, skill patent), dual control, great stability and easy operation
5. Front and rear Control; great for someone who is required to help controlling your powered wheel chair
6. Multi-gear operations; lightweight with great stability
7. High performance lithium batteries; Lightweight wheelchair with only 16kg



SPECIFICATIONS:

Aluminium frame; Maximum User Weight: 100kg; Overall weight: 16kg

Maximum speed limit: 6km/H

Distance Range: 23KM (depending on condition of use)

Battery: 24V 12 AH Lithium Batteries

Motor: 190W x 2 with multi gears option

Brake System:

OPERATION MANUAL

Preamble

Thanks for using W300 Electric Wheelchairs, the W300 are enjoyed great favor by customers, because it is more comfortable for using, driving and repair. For using easily and safe, please read the manual before you drive.

Warning:

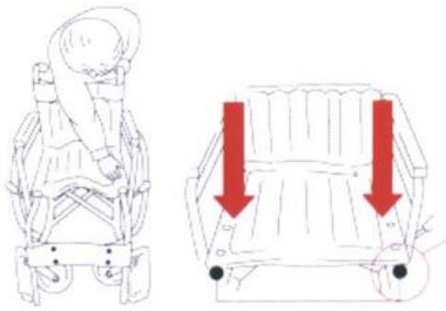
- Do not drive the wheelchair before you read the manual.
- Do not drive the wheelchair before you check the wheelchair.
- It is not suitable for the Neuropathy or retardate.
- Do not sit or leave the wheelchair when the power is on and break is released.
- Do not drive to some place are not allowed to.
- Do not turn when your speed is high.
- Keep the speed 2km/h when you turning.
- Do not turn the wheelchair when you climb the slope.
- Do not stop the wheelchair when you climb the slope.
- Do not keep the wheelchair in the open air and drive when it rainy.
- Please close the power when you not use it.
- Do not remove the parts of wheelchair and rehabilitate the wheelchair by personal.

Configuration and Capabilities

- The frame is foldable and easy install.
- The digital controls (power switch, power display bar, joystick, Horn)
- Steady Electromagnetism Brake System
- Astir armrest
- Removable footrest
- With safety belt
- Anti-overturn bar
- Battery Box (Inside there are 2 sealed battery maintenance free)
- Automatic recharger

Assembling of Wheelchair

1. Take out the Wheelchair from the package, open it by pushing down the under-seat tubes on both sides, till the back and seat being opened thoroughly (Drawing 1), and the locking pin of the folding device to Locked position (Drawing 2)



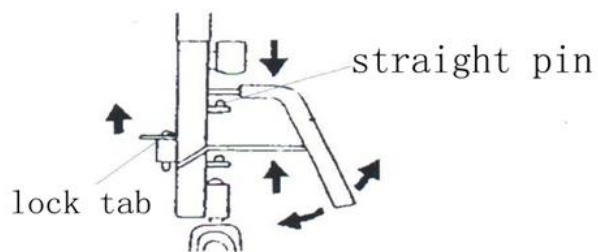
Drawing 1



Drawing 2

2. Hinge the footrest to the frame and turning inward to locking position (Drawing 3), then put on the leg belt; Adjusting the height of the footrest by releasing / adjusting position of the bolt (Drawing 4). If you want to take the footrest off, pull off the hinge and turning outward.

Caution: Keep your fingers away from the locking pin upon installation of the footrest, to avoid any possible injury

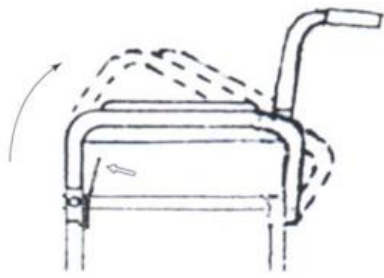


Drawing 3



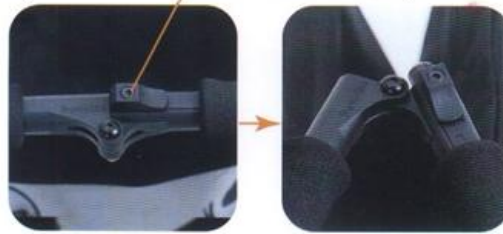
Drawing 4

3. Push the ball button in anti-overturn bar and insert each bar into the rear tube of the frame, make sure that the balls being ejecting out from the frame tube holes – the locking position
4. Push the turn bar in front of the armrest and turning the movable armrest in up position to facilitate your taking on and off (Drawing 5)



Drawing 5

Along the direction of the arrow to push forward after sliding folding



Drawing 6

5. To fold the wheelchair, turn the footrest upward first, then release the switch of the back folding device, push in the arrow direction to make it in a foldable condition, then fold it (Drawing 6)
Slide the switch in the arrow direction and folding forward

Installation of Electric Device

1. Mount the Controller with a screw driver to the right position in the armrest, then line / run the cable to the outside of the armrest tube and fasten it with nylon fastening belt. The controller could also be mounted in the left armrest tube if you like.
2. As per the instructions, plug the three plugs (of the left motor, right motor, and batteries) firmly into the three correspondent sockets in the Controller
Caution: Make sure the right plug of the lift motor and the right motor, otherwise it will turning in the opposite directions
3. Plug off: Press the lock device in the plug of the motors and pull out; For the batteries plug, just pull out with force

Batters and Charge

General Information:

1. Checking the coulomb / power of the batters, if it shows power lower, charge it first.
2. Complete Releasing of the batter power could shorten the life of batter. To guarantee the normal life of battery, please charge it promptly after each using.

Caution: If the wheelchair not being in use for long period of time, at least the power will released and charged for once each month.

Power Bar Display

Switching on the controller, a line of ten bars will be lighting, to display the remaining power of battery. The real power of battery is related with the environmental temperature & charging times – capacity of batter will be reduced with increasing of charge times.

Usage of batter charger:

1. Plug the two feet plug of the battery charger into the socket of 220V. If an extra socket board needed, use the industrial socket plate.
2. Plug the charger as per picture (Drawing 7 & Drawing 7.1)



Drawing 7

Drawing 7.1

3. Switch on the battery charger. Charging time depends on the initial condition of the battery. The power will be cut off automatically when fully charged.
4. The indicator of the battery charger will display its working condition (please see the menu of battery charger). Switch off and plug off after using.
Caution: To protect the battery, the charging time shall not exceed 14 hours
5. Please contact with your local distributor when your battery charger work abnormally

Controller

Panel of the controller (Drawing 8), (Drawing 8.1)



Drawing 8

Drawing 8.1

- Power Display
- Power Switch
- Speed cut
- Horn
- JoyStick
- Speed Display
- Speed up

Cautions:

1. The controller was made by sophisticated electrical parts, please keep from damp and shock during transport, storage, and on working.
2. Clean the controller with soft fabric dipping with diluent cleaning liquid. Pay special attention that not mangle the joystick
3. Any problem with the controller, please contact with the distributor, DO NOT try to open and fix it by yourself.

How to use

Checking clauses 1 – 4 before seating onto the wheelchair:

1. Lock the two hand brakes
2. Keep the clutch handle of each motors in the position of Clutch In (Picture 9)



图 示9

3. Power being switch off
4. Keep the footrests upward, seat onto the wheelchair, then put the footrest plates down.
Caution: Do not step onto the footrests taking on the wheelchair, to avoid the possible forward turning.
5. Fasten the safety belt.
6. Release hand brakes, switch on. The indicator bar will be lighting, while the Control Stick should be positioned in the middle / upward, otherwise the indicator bar will be shining.
7. The Joystick could control direction and speed simultaneously, push the control stick slowly to the running direction, the electric-magnet brake will be released with a sound of “click”, and the wheelchair will be started after. Push the stick farther to accelerate the speed. It will be slow down contrariwise.
Caution: For safety sake, the controller was designed with the function of deferring protection – the wheelchair will be started 2-3 seconds after pushing of stick.
8. To stop a running wheelchair, just release the stick. With a sound of a “Click” from the electric-magnet brake, it will be stood still after a sliding of 2 – 3 meters (varies with the road surface conditions).
9. The speed limit button of the controller adjusts the max. speed limit of wheelchair, the user should choose the right speed limit as per self body condition and surface condition of the road.
10. To back the wheelchair, just push backward the stick slowly, and the horn will speak out sound of “Toot” at frequency of 1 second.
11. Parking time exceeds 5 minutes, the controller will be switch off automatically. Push the switch on to re-start.
12. Do not use the wheelchair on a sandy stone or soft surface road; Avoid running on a ramp which is over 10 degree, nor run over block over 4 cm in height.
13. Upon personal / manual pushing, clutch off first – by turning the clutch handle inward.

Quick Trouble detecting

If there something gone wrong with the electric wheelchair, the line of bar on the controller will be shining – to indicate the cause of the trouble, and the right way to fix it

- 1 bar – lower power supply, need to be charged; or improper plug in
- 2 bars – Improper plug in of the left motor, checking the linkage.
- 3 bars – Short circuit between the left motor and battery, contact your distributor
- 4 bars - Improper plug in of the right motor, checking the linkage.
- 5 bars - Short circuit between the right motor and battery, contact your distributor

6 bars – Driving self lock signal, probably the charger still plugging into the controller

7 bars – problem with control stick – please affirm the stick is in the release / upward position before switching on the control system.

8 bars – problem with the control system, checking if all the plugs and sockets being well-connected.

9 bars – improper connection of the braking system lines, checking the linkage between the electric-magnet brake and the motors, affirm the well connection of the control system

10 bars – over voltage of control system, mostly being caused from the wrong linkage of battery, checking if the battery being well connected



电池电量不足,需要充电或接插件连接不好



左电机连接不好,检查左电机的连接



左电机与电源间短路,与销售商联系



右电机连接不好,检查右电机连接



右电机与电源间短路,与销售商联系



轮椅驱动自锁信号,这与你的轮椅形式有关,可能性之一是充电器还插在控制器上;



操纵杆故障显示,在打开控制系统前确认操纵杆在中间位置



控制系统故障,检查是否所有接插件接触良好



制动线路连接不好,检查电磁制动器 and 电机的连接,确认控制系统连接良好



控制系统电压过高,通常这是由于电池连接错误造成,检查电池连接线路

Trouble Fixing and Treatment

Most of the troubles related with battery. Checking the condition of the battery before making any replacement.

Troubles	Cause	How to fix
No power supply (Indicator do not shining after switching on)	Loose plug in to the battery	Plug in firmly
	Loose plug in to the Controller	Plug in firmly
	Plug of the charger still in	Plug off the charger
Switch on and the Indicator shining, wheelchair can't be start, or running out of control, abnormal noise inside the controller	Problems with motor or decelerate box	Contact the distributor
	Problems with electric-magnet brake	Contact the distributor
Battery can not be recharged	Problems with Charger	Contact the distributor
	Abnormal AC power supply	Checking the power supply or apply with a transformer
	Batter problems	Replace it

Replacement of the brush of generator

1. Screw off the plastic cap of the electrical brush, replace the brush and spring.
2. Checking if the surface of the brush is clean and even. If trace of fire or uneven being found, then the generator need to be fixed. Better replace all the brushes once, but clean the environments around the brushes first.

Cleaning Works:

1. To clean the seat and back with detergent and water
2. Use neutral detergent to clean the frame.

Assembling of Wheelchair

- 1 Unfold the wheelchair until safely locked (refer to step 3).



Step 1



Step 2

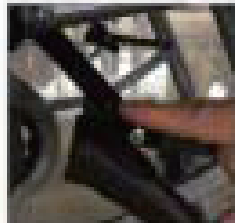


Step 3



Step 4

Warning: Ensure that the lock is safely locked before usage.



- 2 When folding back the wheelchair, first fold the seat in half, then fold the footrest.



- 3 Make sure that you insert the anti-tipper before usage. Press the safety button until you hear a click.



4

Install the direction controller as shown in the picture below.



5

Plug all the cables as seen in the pictures below and screw tightly.



Before using the wheelchair, ensure that you check the wheelchair with the safety points below:

- A. Switch on the wheelchair, and check if there is an electric brake or not.
- B. Switch off the wheelchair and do not step on the footrest when getting on and off.

