

Instruction Manual

Electric Wheelchair



EWCS0

 Infinity

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Safety Instructions

Emergency Power-Off

Immediately switch off the power supply if any of the following occur:

- 1 Unexpected or sudden movement
- 2 Loss of directional control
- 3 Brake failure

Safety Instructions

For safe operation of your electric wheelchair, do not:

- Carry passengers.
- Operate under the influence of alcohol.
- Tailgate other vehicles.
- Exceed the maximum safe climbing angle.
- Use the joystick erratically on inclines or declines.
- Exceed the maximum user weight capacity.
- Press the power button while moving, as this may damage the electromagnetic brakes or joystick controller.
- Travel on soft or unstable terrain.
- Change direction or reverse before the electric wheelchair has come to a complete stop.

Always:

- Use a slow speed when travelling downhill (return the joystick to the central position).
- Wear the safety belt.
- Keep feet on the footrest while moving.
- Ensure the batteries are fully charged before each journey.
- Charge the wheelchair in a well-ventilated area.

Reminder: When operating an electric wheelchair, the driver must obey all road rules and regulations.



Installation Guide



01 Handlebar

05 Battery

02 Joystick
Controller

06 Motor

03 Charging Port

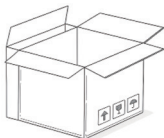
07 Footrest

04 Armrest

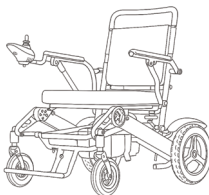
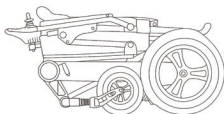
08 Rear Wheel

Installation Procedure

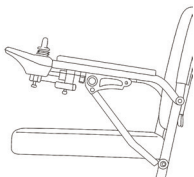
1. Remove the wheelchair and spare parts from its packaging.



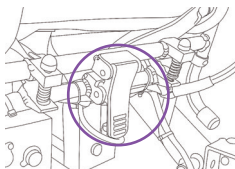
2. Grasp the handlebar and pull the seat cushion frame outwards with your other hand.



3. Install the controller to the right or left hand armrest of the driver.

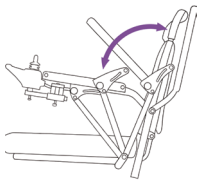
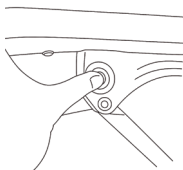


4. Sit on the seat and lie down, or push the handle to ground. Confirm the fold button is locked.



Armrest

Press the button on the underside of the armrests to loosen them.



Usage Operation

Control Panel



01 Battery Gauge

03 Horn Button

05 Speed Mode

02 On/Off Button

04 Speed Indication

06 Joystick

The joystick is an essential electronic component. It is typically mounted on the armrest and connected to the power box, motor, and battery.

On/Off Button

The On/Off button supplies power to the control system and motor. In an emergency, it can also be used to stop the wheelchair.

Horn Button

Press the horn to sound an alert.

Speed Indication

This display indicates the wheelchair setting. With a total of five settings, S1 is the lowest speed, and S5 is the highest.

Joystick

The main function of the joystick is to control the speed and direction of the wheelchair. The further the joystick is moved from a central position, the faster the wheelchair runs. When you release the joystick, the wheelchair automatically brakes.

Battery Gauge

The Power Display shows the current battery level and wheelchair status.

Circuit Breaker

The circuit breaker, located in the battery box, protects the wheelchair from overload. If the motors or batteries are overloaded, it will trip and cut off power. After 1-2 minutes, it will automatically reset, allowing you to continue driving. For safety, always fasten the lap belt before operating the wheelchair.

Charging

1. Use only the charger provided with your electric wheelchair for safe operation. Insert the charger's output plug into the charging socket on the back of the controller.
2. Plug the charger into a power supply with matching voltage and frequency.
3. When the charger's indicator turns green, the battery is fully charged; unplug both the charger and the output plug.
4. To charge, insert the charger's plug into the charging port at the bottom of the controller.

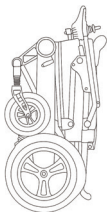
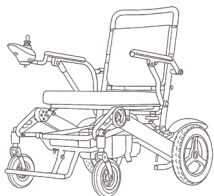
Battery Usage

Fully charge the new battery before first use to reach about 90% of peak performance. After another 8-14 hour charge and use, it will operate at over 90% capacity. After 4-5 charging cycles, the battery will reach full capacity and its lifespan will be maximized.

Replace the battery when it no longer holds a charge, and return the old battery to the supplier for proper environmental disposal.

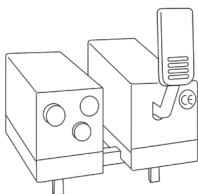
Folding Wheelchair

1. Pull the fold button, to make the wheelchair unlock.
2. Hold the handlebar with one hand and the seat cushion frame with the other. Use both hands to force the wheelchair until it is completely folded.



Removing Battery

1. Pull out the power plug.
2. Hold down the locking catch to disengage the battery from the frame and pull out the battery compartment.



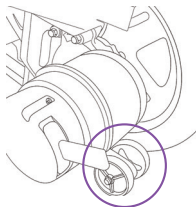
Self-help Guidance

If a system failure occurs, check the position of the flashing lamp on the speed display and battery indicator. Below are a series of errors which could be indicated by an abnormal sound.

Error Indication	Malfunction	Solution
All LED lights are off, with no sound	The power is off or in standby, and the power cord is in poor contact.	Check if the power plug is disconnected.
All LED lights are on	The power supply is turned on and the power on self-test passes. The product can be used normally.	
The leftmost red LED is on and the voice alarm	There is an extremely low power supply.	Charge the low battery or replace it.
Two long after two short sounds	The left motor has failed.	Check whether the left motor connector is plugged in and the connection is good.
Four long after two short sounds	The right motor has failed.	Check whether the right motor connector is plugged in and the connection is good.
Six long after two short sounds	The controlled is displaying an over-current status.	Just after a heavy load, check whether the vehicle exceeds the rated load, then turn it off and restart.
Seven long after two short sounds	There is a joystick problem.	When the controller switch is turned on, whether to release the joystick and put the joystick in the center position. After turning the joystick, turn off and on again.
Eight long after two short sounds	The controller is faulty.	Replace the controller

Electric Operation / Manual Push Mode

When the wheelchair is in the electric operation state (power mode), only the controller can be used to move the wheelchair. The wheelchair cannot be pushed by hand, and this will prevent the wheels from rolling. Manual operation can be triggered by flicking the “motor clutch fork” switch. This means you can easily push the wheelchair, voiding all electronic functions.



motor clutch fork

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