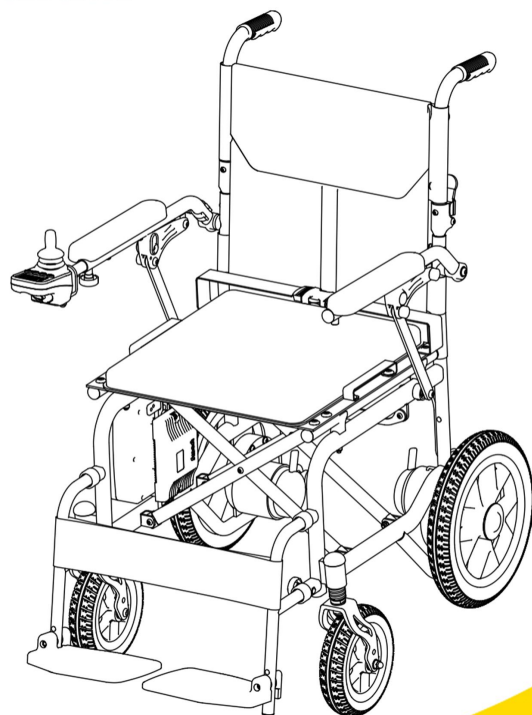


CASWED10

Electric Wheelchair User Manual



Catalogue

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I. Preface

Thank you for choosing our product. Before you use the electric wheelchair for the first time, please read the user manual carefully and follow the instructions. If any part of the manual is unclear, you may contact our authorized local distributor or after-sales service department.

The electric wheelchair is intended for transporting individuals with mobility impairments and for compensating impaired walking function. Its primary purpose is to provide mobility assistance, and it can be used safely by patients.

The electric wheelchair is powered by a separate battery, which is considered part of the medical electrical equipment.

This manual is part of the medical electrical equipment.

The symbols below are used to identify warnings and cautions throughout this manual. Please read them carefully and comply with them.

Warning Failure to follow the warnings in this manual may result in personal injury.



Failure to follow the cautions in this manual may result in damage to the electric wheelchair.

The illustrations in this manual are for reference only. Please refer to the actual product in use.

2. Warnings and Safety Instructions



WARNING Failure to heed the warnings in this manual may cause physical injury. Strictly adhere to the following items.

- Do not operate your electric wheelchair before reading and fully understanding this manual.
- Do not operate your electric wheelchair before assembly and inspection work is completed.
- It is recommended that individuals with mental abnormalities, slow reactions, or operational difficulties do not use the electric wheelchair.
- Do not get on or off the electric wheelchair when the controller power is on or the wheelchair is in manual mode without a pusher securing the wheelchair.
- Do not ride the electric wheelchair if the anti-tip wheels are not installed or are ineffective.
- Do not stand on the footplates to avoid the electric wheelchair tipping over.

- First-time users are advised to drive at low speed to avoid accidents due to unfamiliarity with operation.
- When turning while the electric wheelchair is moving, first reduce speed to below 2 km/h.
- When going downhill, use the lowest speed setting and drive slowly; when going uphill, drive cautiously, lean forward slightly, and pass at low speed. Do not turn or change direction on a slope.
- It is strictly forbidden for the user to be seated in the electric wheelchair while it is being transported.

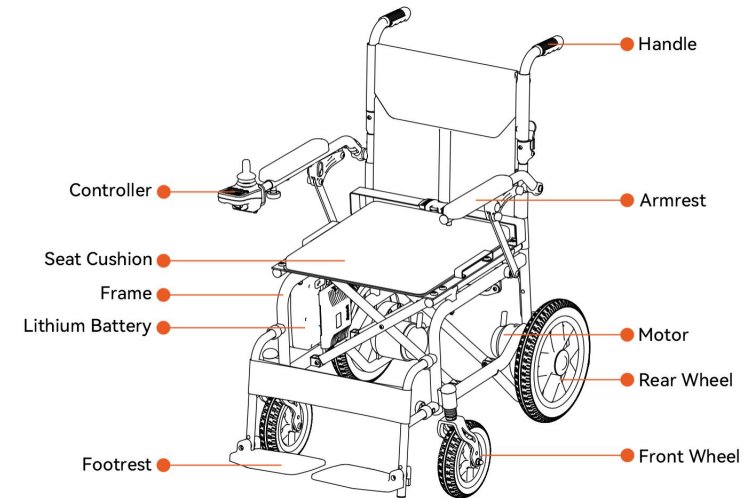
CAUTION Failure to heed the cautions in this manual may cause damage to the electric wheelchair. Strictly adhere to the following items.

- Do not modify this equipment without authorization from the manufacturer.
- Do not disassemble, reassemble, alter, or replace parts with non-genuine parts from our company.
- Please check that the wheel connections are secure and reliable.
- Move the controller joystick gently; avoid rapid back-and-forth movement.
- The controller is the core component of the wheelchair. Do not leave the electric wheelchair outdoors for extended periods or drive it indoors in the rain to prevent moisture damage.
- Our electric wheelchair is designed for indoor use and is suitable for driving within courtyards.
- When the battery power is only 10% remaining, stop driving immediately and charge it to avoid being unable to return.
- Do not perform maintenance or servicing while using the electric wheelchair.
- Patients with limited mobility should not perform equipment maintenance.
- When not used for a long time, the battery will automatically discharge and deplete the remaining power. Therefore, when storing long-term, please charge it every 3 months. Furthermore, when using it again, be sure to charge it first before use. The battery takes about 8 hours to reach a saturated state. Irregular charging during long-term non-use will affect the battery's lifespan; even if fully charged before use, it will affect the battery capacity.
- The patient is the intended operator. Any applied parts that the intended operator may touch: seat, backrest, footrest, armrest, controller, etc.
- Battery replacement must be performed by professional maintenance personnel. Self-replacement may lead to energy hazards.

- **WARNING:** Modification of this equipment is not permitted. Unauthorized modification may alter the wheelchair's performance and, in serious cases, pose a life-threatening danger.
- **Contraindications:** None
- If it is not possible to use the wheelchair for a period of time, disconnect the battery and remove it.
- Loss of power supply leads to an unacceptable risk. The wheelchair must be connected to a suitable power source.
- The electric wheelchair is intended to receive energy from the charger; the internal power source is only used to power the electric wheelchair.
- Do not place the electric wheelchair where it is difficult to operate the disconnection device.
- To avoid the risk of strangulation due to excessive length, frequently check if the soft power cord is loose. If loose, secure it promptly.
- Frequently check if small parts like screws on the wheelchair are secure to prevent loosening, ingestion, or aspiration.
- During the actual service life, the assembly of the ME system must be evaluated according to the GB9706.1-2020 standard.
- Stop using the wheelchair if its performance changes.
- Do not touch the battery connector ports and charger ports.
- Under the following circumstances, an inexperienced operator or an inexperienced responsible party should contact the manufacturer or the manufacturer's representative:
 - --- If needed, to obtain assistance regarding the installation, use, or maintenance of the ME equipment or ME system;
 - --- To report abnormal operation or an incident.

3. Main Structure and Performance of the Product

3.1 The electric wheelchair consists of a frame, motors, controller, lithium battery, seat, wheels, armrests, and footplates. It can be operated by the rider or a caregiver, is driven by one or more motors, and has seat support. Its structural diagram is shown below. (See Figure 1)



3.2 Structural Features

- Energy-efficient and high-performance motors. Safe and reliable electromagnetic brake system.
- Easily assembled and disassembled folding frame.
- Intelligent controller: power button, power level display, omnidirectional joystick, horn.
- Flip-back armrests, anti-tip device.
- Controller equipped with a light.
- Shock-absorbing front wheels.
- Two operating modes: independent electric drive mode and power-assisted push mode.

3.3 Product Intended Use

- The electric wheelchairs produced by our company are suitable for use as mobility aids for disabled individuals or those without full walking ability (excluding obesity).
- Common functions: Electric drive, forward and reverse control, steering control, speed adjustment, folding and storage.
- Normal operating conditions: Ambient temperature range: +5°C ~ +40°C
- Relative humidity range: 15% ~ 90%
- Atmospheric pressure range: 70 kPa ~ 106 kPa

3.4 Electric Wheelchair Performance Parameters Table

Product Type: indoor & outdoor		Maximum speed: ≤ 4 mph
Driving Brake Performance	Level ground braking performance: ≤ 39.4 in	Gradeability when stationary: $\geq 6^\circ$
	Maximum safe slope braking: ≤ 62.9 in (3°)	Static stability: $\geq 6^\circ$
Dynamic Stability: $\geq 3^\circ$		Obstacle clearance: ≥ 1.0 in
Ditch Crossing Width: 3.94in		Climbing ability: $\leq 12^\circ$
Minimum Turning Radius: ≤ 35.4 in		Range: 15 Miles
Load Capacity: ≤ 250 lbs		Seat plane angle: 5°
Front Armrest Position: 15.4in		Internal power supply: DC24V $\pm$ 5
Effective Seat Width: 17.3in		Noise: <65 dB
Overall Dimensions (LxWxH): 37.4 x 22 x 35in		Motor power: 200W*2
Footrest to Seat Surface Angle: 100°		Front seat surface height: 21.7 in
Net Weight: 39lbs		Effective seat depth: 15.7 in
Heaviest Component Weight: 33lbs		Distance from footrest to seat: 17.7–19.3 in
Backrest Angle: 11°		Backrest height: 14.2 in
Seat Height: 19.7in		Ingress protection rating: IP22
Folded Dimensions (W/L/H): 12.2x 25.2x 28.3in		Battery: Lithium battery DC 24V 12Ah
Front Wheel Specification: 7 in		
The above parameters may vary depending on the user's weight, usage environment, and battery conditions.		
Electric shock protection classification: Internally powered equipment / Degree of protection against electric shock: Type BF applied part (not operational during charging; classified as internally powered equipment during normal operation).		
Operation mode classification: Continuous operation / Electromagnetic compatibility group: Group 1, Class B.		
Our company reserves the right to make technical and appearance modifications to this product. Changes may be made without prior notice. Thank you for your understanding.		

4. Instructions for Use

Open the packaging box, take out the electric wheelchair, footrest assembly, charger, and other items. Check against the packing list for any missing parts or damage.

4.1 Assembly

4.1.1 Unfolding the Wheelchair

Place the electric wheelchair from the box on a flat floor. Lift the folded backrest upwards. Press down on both seat tube pipes to open the electric wheelchair until the seat cushion and back cushion are fully deployed and snap into the grooves of the plastic support blocks. (See Figures 2, 3, 4)

WARNING: Do not put fingers into the backrest folding mechanism to avoid pinching!

CAUTION: Do not hold the seat tube with your hands to avoid pinching when pressing down the seat cushion!

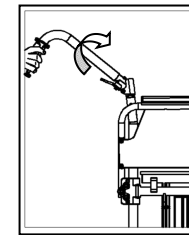


Figure 2

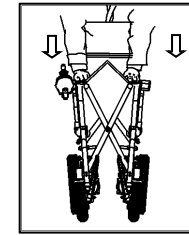


Figure 3

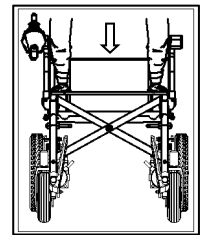
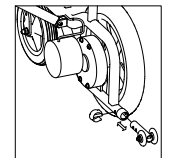


Figure 4

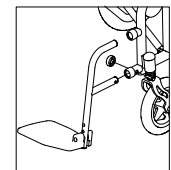
4.1.2 Installing Anti-Tip Wheels

First, pull out the pin installed on the frame. Then, align the anti-tip wheel assembly and insert it into the frame tube so that the hole on the anti-tip wheel tube aligns with the hole on the frame. Finally, re-insert the pin. Anti-tip wheel assemblies need to be installed on both sides of the frame. (See Figure 5)



4.1.3 Installing and removing the foot assembly

- Take the footrest assembly from the accessory box. Remove the knob and the external hex screw. Align the footrest and insert it into the frame tube so that the hole on the footrest tube aligns with the hole on the frame. Install the external hex screw and tighten the knob. (The external hex hole is on the outside of the frame.) (See Figure 6)

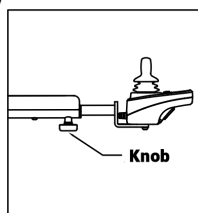


- After flipping the footplate down into place, wrap the leg straps around the left and right footrest assemblies respectively and secure the Velcro. Adjust the tightness as needed.

Tip: Before getting on the wheelchair, flip up the left and right footplates to facilitate getting on and off.

4.1.4 Controller Installation and Adjustment

Loosen the knob on the armrest tube. Insert the controller adjustment rod into the armrest tube. Sit on the electric wheelchair. Move the controller fixing rod forward and backward to adjust to a suitable position, then tighten the quick-release lever. (If installing the controller on the left side, the adjustment method is the same.) (See Figure 7)



4.1.5 Controller Wiring

The controller is installed on the right side by default (if adjustment is needed, first remove the fixing screw of the aluminum buckle and install it on the left side). Connect the control wire connector on the controller to the corresponding connector on the driver and tighten the nut. When connecting, ensure the slots match and the black arrows on the left and right connectors align. Do not force insertion to avoid damaging the connector. (See Figures 8, 9, 10)



Figure 8



Figure 9

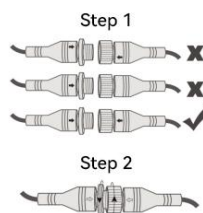


Figure 10

4.1.6 Flip Armrest Operation

Press the armrest button to disengage the latch from the armrest, then flip the armrest backward to facilitate getting on and off. (See Figure 11)

4.1.7 Battery Wiring

Connect the wire from the battery pack to the corresponding connector on the driver and tighten the nut. Pay attention to slot matching; the black arrows on the left and right connectors must align. Do not force insertion to avoid damaging the connector. The battery connector is hidden at the bottom behind the back cushion. (See Figure 12)

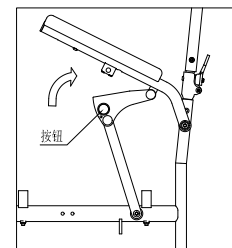


Figure 11

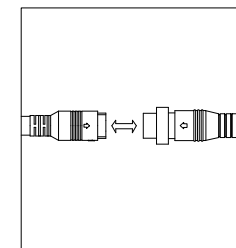


Figure 12

4.1.8 Quick-Release Battery Operation

Press the button on the battery and lift upward to remove the battery box. (See Figure 13)

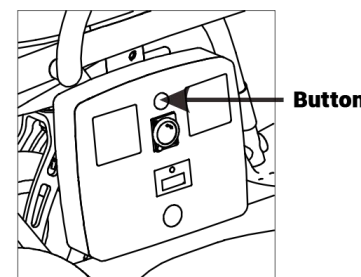


Figure 13

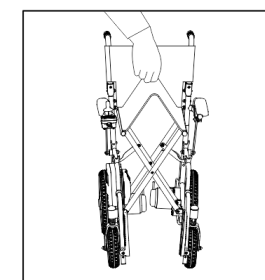


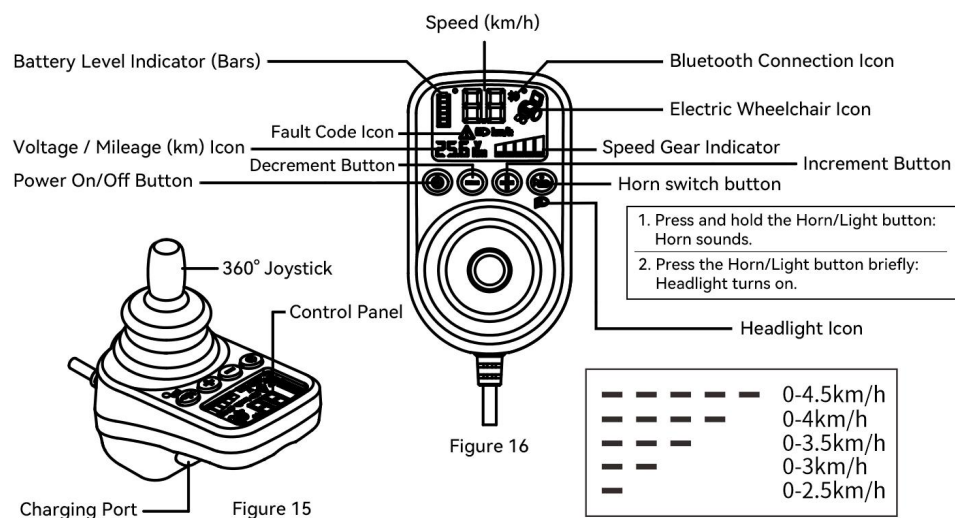
Figure 14

4.1.9 Folding Operation

Turn off the controller power. Flip up the footplates. Hold the seat cushion and pull up firmly forward and backward so that the left and right frames move toward the center until the left and right motors are close together. Press the backrest folding button while pushing the handle tube backward to fold the backrest into place. (See Figure 14)

4.2 Operating the Electric Wheelchair

4.2.1 Controller Function Description: (See Figures 15, 16)



Joystick: Pushing the joystick controls the wheelchair's direction and speed.

Power Switch: Press to turn on the power switch; a "beep" indicates startup is complete. Press and hold for 3 seconds to turn off the power; a long beep indicates successful shutdown.

Speed Limit Buttons: Speed Limit Down: Press to decrease the maximum speed limit. Speed Limit Up: Press to increase the maximum speed limit.

Horn: Press to sound the horn; release to stop.

4.2.2 Using the Controller

(1) After the operator is seated securely, turn on the controller power switch. A beep indicates the wheelchair is starting up. The system has a safe start strategy. Please release the joystick during startup, otherwise a system fault may be indicated, preventing startup.

(2) The wheelchair driving speed is adjusted by the speed adjustment buttons on the controller, with a total of five levels. It is advisable to use low speed when starting. Do not change speed levels while driving. First-time users are advised to drive at low speed to

avoid accidents due to unfamiliar operation.

(3) Move the joystick handle slowly to start. Pushing the joystick handle forward makes the wheelchair go forward. Left turns the wheelchair left. Right turns the wheelchair right. Backward makes the wheelchair reverse. Once mastered simply, the wheelchair can be driven freely.

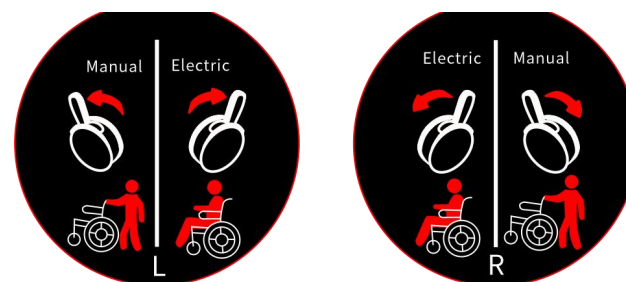
(4) If you need to sound the horn, press the button on the controller marked with the horn symbol.

(5) The battery display shows 100% when fully charged. When the power is low, the battery level indicator shows 10%, indicating insufficient remaining power. Please charge promptly to maintain sufficient power.

(6) To shut down, press and hold the power switch until a beep sounds, indicating the wheelchair has shut down.

4.2.3 Switching Between Electric Drive and Manual Push

This electric wheelchair uses brushless motors with an electromagnetic brake system. In electric mode, releasing the joystick stops the wheelchair, ensuring driving safety. The electric/manual switch label on the motor: when the switch lever is set to "Electric," the wheelchair is in electric mode; when set to "Manual," the wheelchair is in manual mode and can be pushed. When using electric mode, before startup, the switch lever must be set to "Electric," otherwise, the controller will give an error alarm. (See Figure 17)



Left Clutch Label

Right Clutch Label

4.3 Charger Use

4.3.1 You must use the dedicated charger 配套 provided with this wheelchair to ensure safety. First, pull out the controller light to reveal the charger's three-pin

socket. Connect the charger's three-pin metal plug to the controller's three-pin socket, paying attention to the insertion direction. For user convenience, the battery box can be removed for direct charging: Charging using the battery box requires an additional charging adapter cable to connect the battery and the charger. (See Figures 18, 19, 20)

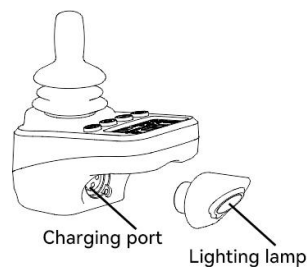


Figure 18

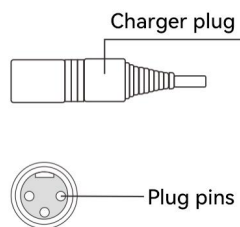


Figure 19

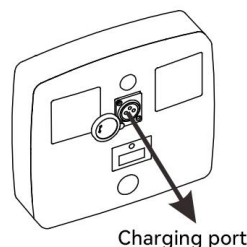


Figure 20

4.3.2 Plug the other end of the charger into a standard power outlet.

4.3.3 During charging, the charger indicator light is orange. When the indicator light turns green, it indicates the battery is fully charged. After full charge, unplug the charger power plug and the charging output plug. Store the charger in a safe place. Turn off the controller when not using the wheelchair to reduce power consumption. (Charging time depends on the remaining power in the battery; a new, unused battery may take about 10-12 hours for the first full charge).

4.3.4 While the wheelchair is charging, operating the wheelchair should yield no response. After unplugging the charger and turning the controller power back on, the wheelchair can be operated normally.

4.3.5 When the battery fails, please be sure to purchase a new battery according to requirements and replace it. Because the old battery poses an environmental pollution risk, it must be handed over to a qualified battery recycler or returned to the dealer for disposal.

5. Conditions and Methods for Product Transportation and Storage

5.1 Transportation: Handle the product with care during transportation. Do not throw, roll, or apply heavy pressure.

5.2 Storage:

The product should be placed in a dry and ventilated area. Avoid placement in high temperatures or environments with drastic temperature changes. The product should be isolated from chemically corrosive items such as acids and alkalis.

5.3 Transportation and Storage Environmental Limits:

Ambient temperature range: $-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$

Relative humidity range: $\leq 90\%$

Atmospheric pressure range: $70 \text{ kPa} \sim 106 \text{ kPa}$

6. Electromagnetic Compatibility Information

6.1 Electromagnetic Interference (EMI)

Electromagnetic interference comes from external electromagnetic energy (such as radio and TV transmitters, CB radios, garage door openers, cordless phones, etc.). EMI may affect the control system of the electric wheelchair. Some interference may cause brake failure, automatic movement, or loss of directional control, and may also cause permanent damage to the control system.

6.2 Categories of Electromagnetic Interference

Handheld short-wave transceivers. These transceivers have antennas, e.g., citizens band (CB) radios, walkie-talkies, cellular phones, and signal transmission devices.

Medium-wave mobile transceivers. These typically have antennas mounted on buildings or vehicles, e.g., radios used by police, fire, taxis, ambulances, etc.

Large-wave transceivers. These typically have antennas mounted on transmission towers, e.g., commercial radio and TV broadcast systems.

6.3 Electromagnetic Interference Prevention

Do not use handheld transceivers, such as mobile phones or radios, when the wheelchair power is on.

If the electric wheelchair becomes uncontrollable or experiences brake failure, please notify our company or the dealer.

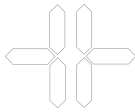
7.Troubleshooting and Handling

- Please read the above operating guidelines and precautions carefully. The wheelchair has undergone strict product testing and has excellent product quality. If error codes appear on the LCD display due to incorrect operation, please refer to the error code descriptions below. Perform repairs according to the error description. If it is a hardware problem, please contact customer service promptly to explain the situation for timely repair. The error codes are explained below:

Fault Description and Solution:

No.	Fault Code	Fault Cause	Handling Method
1	1 Beep / E1	Battery voltage too low	Please charge for half an hour and try again.
2	2 Beeps / E2	Left motor wire detached or left motor faulty	Swap the left motor wire to the right motor connector and the right wire to the left motor connector. If it still beeps twice, the controller is faulty. If upon restart it beeps 24 times, it's a motor or cable (loose connector) fault.
3	3 Beeps / E3	Left brake wire detached or left brake faulty	Swap the left motor wire to the right motor connector and the right wire to the left. If it still beeps three times, the controller is faulty. If upon restart it beeps 5 times, it's a brake (or clutch not engaged) fault.
4	4 Beeps / E4	Right motor wire detached or right motor faulty	Swap the right motor wire to the left motor connector and the left wire to the right motor connector. If it still beeps 4

			times, the controller is faulty. If upon restart it beeps 2 times, it's a motor or cable (loose connector) fault.
5	5 Beeps / E5	Right brake wire detached or right brake faulty	Swap the right motor wire to the left motor connector and the left wire to the right. If it still beeps 5 times, the controller is faulty. If upon restart it beeps 3 times, it's a brake (or clutch not engaged) fault.
6	E6 Beeps / E6	Upper/Lower controller communication error	Upper/Lower controller communication error, please contact the manufacturer.
7	E8 Beeps / E8	Internal controller fault	Internal controller fault, please contact the manufacturer for return and repair.
8	E9 Beeps / E9	Left Hall sensor wire fault (Brushless controller specific)	Swap the left motor wire to the right motor connector and the right wire to the left. If it still beeps 9 times, the controller is faulty. If upon restart it beeps 10 times, it's a left motor Hall sensor wire fault or motor problem.
9	E10 Beeps / EV	Right Hall sensor wire fault (Brushless controller specific)	Swap the right motor wire to the left motor connector and the left wire to the right. If it still beeps 10 times, the controller is faulty. If upon restart it beeps 9 times, it's a right motor Hall sensor wire fault or motor problem.
10	E11 Beeps /EB	Brake has no voltage output	When the joystick is gently pushed, the wheelchair does not move. The

		or brake short-circuited	electromagnetic brake may not produce the "click" sound, which could indicate that the controller's brake circuit is damaged and no drive voltage is output, or the electromagnetic brake system is short-circuited. Try replacing with a new motor to test and eliminate the issue.
11	 Fault code as shown in the diagram	Joystick not centered at startup alarm	If the joystick is not in the central position at startup, return the joystick to the center. If the alarm persists after centering the joystick, the joystick needs to be recalibrated. Please contact the manufacturer, or refer to the digital upper-control parameter adjustment manual to recalibrate the joystick yourself. (Users must operate the joystick only after 2 seconds from powering on the controller.)
12	 Fault code as shown in the diagram	Three-actuator model startup reset alarm	For three-actuator standing wheelchair models, after actuator installation and powering on the controller, when selecting functions such as leg lift, reclining, or standing, the controller may display the illustrated error code. At this time, press and hold the reset button to reset the wheelchair. After reset, all three functions can operate normally.

8.Cleaning and Disinfection of the Product

Note: This product is not suitable for cleaning with "jet" washing machines, high-pressure cleaners, or steam cleaners. Do not pour or spray water directly onto wheelchair components during cleaning.

Wheelchair Cleaning:

- 1.To thoroughly clean and facilitate inspection afterward, unfold the wheelchair before cleaning.
- 2.Wipe with a cloth dampened in diluted neutral detergent (wrung out), then wipe again with a cloth dampened in clean water (wrung out) to remove any remaining detergent. Finally, wipe dry with a clean, dry cloth.
- 3.Do not use volatile substances for cleaning, such as thinner, solvents, or gasoline, as these may cause discoloration or deterioration of materials.

Wheelchair Disinfection:

- 1.When using disinfectants, dilute them to the specified concentrations below:
 - 0.05–0.2% ammonium chloride solution
 - 0.05–0.2% phenyl chloride solution
 - 0.05% dichlorobenzyl biguanide solution
- 2.Depending on the type of disinfectant, metal parts may corrode or plastic parts may discolor, deteriorate, or crack. Please only use the recommended disinfectants above.
- 3.Confirm the composition of the disinfectant before use.
- 4.After disinfection, wipe off any residual disinfectant.
- 5.Do not use ozone or autoclaves for disinfection.。

9.Product Maintenance

The electric wheelchair manufactured by our company is an active, non-sterile, reusable product that does not contain chemical substances. The safety and effective service life of the wheelchair depends not only on its structural strength but also on factors such as user handling, usage environment, operating habits, and whether maintenance is carried out periodically.

For safe operation, the wheelchair must undergo regular safety inspections. A comprehensive inspection is recommended every six months to ensure all connections are secure and operations are normal.。

Replacement methods for easily worn parts are as follows (if replacement is difficult, please contact the manufacturer for assistance):

- **Warning:** Component replacement may cause risks of electric leakage, fluid leakage, explosion, or mechanical damage.
- **Front wheel replacement:** Use a wrench to loosen the screws, remove the front wheel, install a new front wheel, tighten the screws, adjust screw tightness, and confirm the wheel rotates smoothly.
- **Rear wheel replacement:** Use a socket wrench to remove the rear wheel fixing screw, replace with a new rear wheel, or contact the manufacturer.
- **Seat (or backrest) cushion:** Use a screwdriver to loosen the screws, remove the seat/backrest cushion, put on a new cushion, and tighten the screws with the screwdriver.
- **Armrest replacement:** Use a wrench to loosen the screws, remove the armrest, attach the new armrest, and tighten the screws with the wrench.
- **Battery:** Mainly check the remaining power. If the battery has reached the end of its service life, contact the manufacturer to purchase a replacement battery of the same specifications. Battery specifications are as follows:

Item	Battery specifications
Rated capacity	12Ah
Nominal voltage	24V
Maximum charging voltage	29.4V
Charging method	Constant current, constant voltage
Operating ambient temperature	Charge: 0-45℃ Discharge: -25-55℃

- **Wiring:** Inspect electrical components and connecting wires for any damage or breakage. If found, contact the manufacturer or a qualified professional. Do not attempt self-repair.
- **Frame:** Clean the surface coating of the frame with a soft cloth and keep it clean regularly. Do not use lubricants to maintain the wheelchair. If cracks are found on the frame, please contact the manufacturer.
- **Controller Maintenance:** Clean the controller and joystick with a cloth dampened with diluted neutral detergent. Be careful when cleaning the joystick—never use abrasive materials or alcohol-based cleaners. When transporting the wheelchair, protect the controller to avoid damage. Before inspection, ensure the controller is turned off. Check whether the joystick is deformed or damaged. Test operation of the joystick, and after releasing it, confirm that it returns to the center position

automatically. If any issues are found during the process, contact your dealer.

- **Motor:** Check for oil leakage or increased noise. If either occurs, contact the supplier or manufacturer.
- **Connector Reliability Maintenance:** Regularly check whether the screws and nuts on the wheelchair body are tightened. If problems are found, handle them promptly to ensure safe driving.
- **Seat and Back Cushion:** Clean the seat and backrest covers with warm water and diluted soap. Avoid storing them in damp places.
- **Electromagnetic Brake (Driving Brake):** Inspection method: On a flat asphalt road, drive the wheelchair forward in a straight line at maximum speed, then release the joystick so it automatically returns to its original position. Measure the distance from joystick release to a complete stop. If this distance is longer than before, braking effectiveness has decreased. If the distance exceeds 1 meter (≈ 3.3 ft), contact your dealer or the manufacturer for repair.
- **Fuse:** If replacement is required, purchase according to the following specifications:

Item	Specification
Voltage	32V dc
Current	50A
Operation Speed	0.5s
Dimensions	19×15×5 mm
Breaking Capacity	1000A

Battery Usage, Maintenance, and Care:

- Pay attention to the battery indicator on the controller panel. If the green light is off, please charge the battery as soon as possible. If the red light is on, the battery is critically low and must be charged immediately to prevent low voltage from affecting battery life.
- The battery has clearly marked positive and negative terminals and secure connectors to ensure proper circuit connection. Do not attempt to connect or tamper with the circuit unless you are a professional.

- The battery is maintenance-free and does not require adding electrolyte. During charging, the battery temperature may rise, but it should not exceed 45°C. If it does, stop charging and resume only when the temperature drops below 35°C. If the wheelchair is not used for an extended period, charge the battery at least once per month.
- Batteries have a limited lifespan. After long-term use, if the actual driving range after charging is noticeably shorter than the rated range, please replace the battery.
- Keep the battery clean and dry. Do not strike the battery with hard objects. Store the battery safely out of reach of children.
- Do not exceed 15% over 4.5 kWh/100 km.
- Avoid deep discharge, as it can cause severe battery depletion and significantly shorten battery life. When only one battery indicator light remains on the controller, charge the battery immediately to prevent over-discharge.
- Battery leakage can pose a risk of fire or explosion. If the device will not be used for an extended period, remove the battery.

Other language versions. Video guidance.



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