

CASWE G10

Electric Wheelchair User Manual



Before Use, Please Read This Manual Carefully

- ◆ Before using this product, please inspect all components according to this manual to ensure they are intact, in order to guarantee proper operation and personal safety.
- ◆ Please comply with local traffic regulations when using this product. Always drive in non-motorized lanes to ensure your safety and the safety of others.
- ◆ Do not ride alongside others using wheelchairs or other mobility devices. Avoid traveling at excessive speeds while operating this wheelchair.
- ◆ Do not attempt to disassemble the motor or controller of this wheelchair yourself. If replacement is required, please purchase original spare parts from an authorized dealer. (Use of modified or non-original parts will void the warranty.)
- ◆ Do not allow anyone unfamiliar with operating a powered wheelchair to use this product. To ensure user safety, do not allow children, pregnant women, or individuals unsuitable for powered wheelchairs to operate this product.

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Chapter 1 Overview

WARNING

Before operating this device, please read and fully understand this manual. If you do not understand the instructions, warnings, or information in this manual, please consult a professional caregiver. Failure to do so may result in accidents or personal injury.

Thank you very much for purchasing and using our product!

1.1 [Scope of Application]

This electric wheelchair is intended for use by individuals with mobility difficulties, including people with disabilities and elderly users with reduced physical strength.

1.2 [Contraindications, Precautions, Warnings, and Notes]

1、 Before using the wheelchair, the user must practice on level ground first, followed by practicing on ramps with a slope of less than 8°. Practice should include movement at various speeds and understanding the performance of the electromagnetic brake until the user is fully familiar with both electric and manual modes.

2、 Fabric components such as the backrest cushion, seat cushion, and calf support cushions must be kept away from fire and heat sources.

3、 When using this wheelchair in public areas, traffic regulations and related rules must be strictly followed.

4、 When getting on or off the wheelchair, the controller must be switched

OFF. Do not step on the footrest when getting on or off the wheelchair.

5、 Do not attempt to climb obstacles higher than 3 cm.

Do not attempt to climb slopes steeper than 8°.

6、 When entering elevators or lifting platforms, avoid getting the wheelchair caught or pinched.

7、 Electromagnetic fields may affect the controller. It is recommended to turn off mobile phones or similar communication devices during use. The controller itself may also generate electromagnetic fields that can affect certain electronic devices; turn it off immediately after use if necessary.

8、 The controller bracket contains magnets, which may affect certain devices or instruments such as watches or scales.

9、 Pay attention to tire tread depth and ensure adequate traction.

10、 Do not use the wheelchair in darkness.

Do not operate in extremely cold or hot environments (operating temperature: 10°C–45°C).

This electric wheelchair is not suitable for very slippery surfaces (such as ice) or extremely rough terrains (such as gravel or loose stones).

11、 Before using electric mode, ensure that the electromagnetic brakes on both motors are engaged.

12 、 Prolonged or continuous motor operation will cause the motor, controller, and battery to heat up. Do not touch the bottom of the motor or controller during this time to avoid burns.

13、 When battery power falls below 15%, it is recommended to charge it as

soon as possible.

- 14、 During charging, do not turn on the controller.

The charger must be placed in a well-ventilated area.

- 15、 Do not short-circuit the electrical components of the wheelchair.

Do not allow the electrical components to become wet.

- 16、 Drive carefully and avoid collisions with hard objects.

- 17、 Do not pull on cables to disconnect the battery connector—grip the connector firmly when unplugging.

- 18、 Rechargeable battery precautions:

(1) Do not touch damaged or leaking batteries. Dispose of them properly according to national environmental regulations.

(2) Incorrect battery replacement may cause explosion. Only use the same type of battery or batteries recommended by the manufacturer, and ensure correct polarity.

(3) Improper disposal of used batteries may cause fire or chemical explosion. Do not disassemble, heat, or incinerate the batteries.

(4) Dispose of used batteries according to local laws and regulations.

19、 When the electric wheelchair reaches the end of its service life, the device and all accessories must be disposed of according to local regulations. Do not discard them at will.

20、 The wheelchair should be cleaned weekly during normal use. After use by a patient with an infectious disease, disinfect the wheelchair using appropriate disinfectants.

21、 This product is not designed for use as an electrically powered road vehicle. Do not drive the wheelchair on motor vehicle roads.

1.3 [Safety Driving Instructions]

Improper use of the wheelchair under any circumstance may cause injury. Incorrect operation may endanger your safety and affect others. Please follow the instructions below for proper use.

1、 User Driving Instructions

- Place both hands naturally on the left and right armrests to control the wheelchair, ensuring there are no obstacles ahead.
- Practice in a safe and open area (such as a park).
- Learn and become familiar with driving forward, stopping, and turning.
- For the first outdoor ride, ensure a caregiver or professional attendant is present.
- Caregivers must follow traffic rules and should not operate the wheelchair on behalf of the user.
- Use designated pedestrian crossings when crossing streets.
- Always drive smoothly and avoid sudden movements or sharp turns.

2、 Caregiver Instructions

Use of this product in the following conditions requires the presence and assistance of a caregiver:

- Bad weather (rain, fog, strong wind, snow, etc.).
- If the wheelchair becomes wet, dry it immediately.
- Poor road conditions (mud, snow, sand, gravel, etc.).

- Heavy or congested traffic. When crossing railways or major roads.
- Areas without guardrails, or near ditches, ponds, or open edges.
- When crossing train tracks: stop, observe safety, and ensure the wheels will not become stuck.
- The wheelchair is for one user only. Do not carry additional passengers or load cargo. Do not use the wheelchair as a towing device.

3、 Slope and Ramp Safety

- Avoid driving on steep slopes. The slope angle must be less than 10°.
- When climbing slopes, drive forward slowly. When descending slopes, use the lowest speed.
- Avoid driving across a slope or tilting sideways. The lateral tilt angle should not exceed 3°.
- Do not travel on stairs or excessively high steps. When crossing low steps, approach them at a right angle.
- Avoid crossing wide ditches. When crossing shallow ditches, approach perpendicular to the ditch.

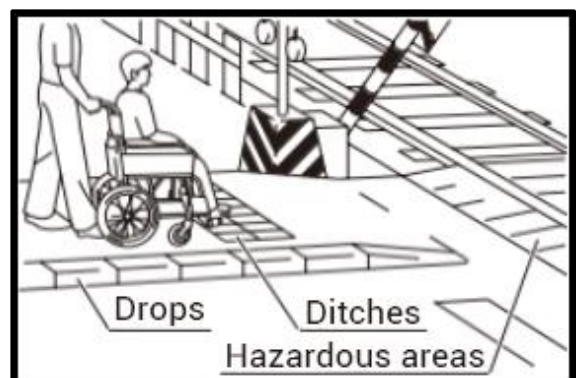
■Be extremely careful on uneven surfaces.

■ Ensure the wheels do not get trapped when crossing gaps.

■ Always confirm safety before passing through hazardous areas.

■Inspect all parts before each use.

■Apply lubrication regularly to extend service life.



WARNING:

- ◆ Do not adjust wheelchair parameters while driving on slopes.
- ◆ If a malfunction occurs at a traffic intersection, immediately seek help from people nearby. Release the electromagnetic brake clutch and allow others to push the wheelchair to a safe area.

4 、 Friendly Reminder

- 请 Ensure the user' s feet are properly positioned on the footrests, and clothing does not come into contact with the front or rear wheels.

1.4 [Other Precautions]

◆ Repairs and Modifications

If repair or replacement of parts is required, please contact our Customer Service Center. Do not replace components with self-made or unauthorized parts, as this may cause accidents or equipment failure.

◆ Environmental Protection

To protect the environment, do not dispose of the wheelchair or depleted batteries at will. Please follow local regulations for proper disposal.

◆ Keep the Wheelchair Dry

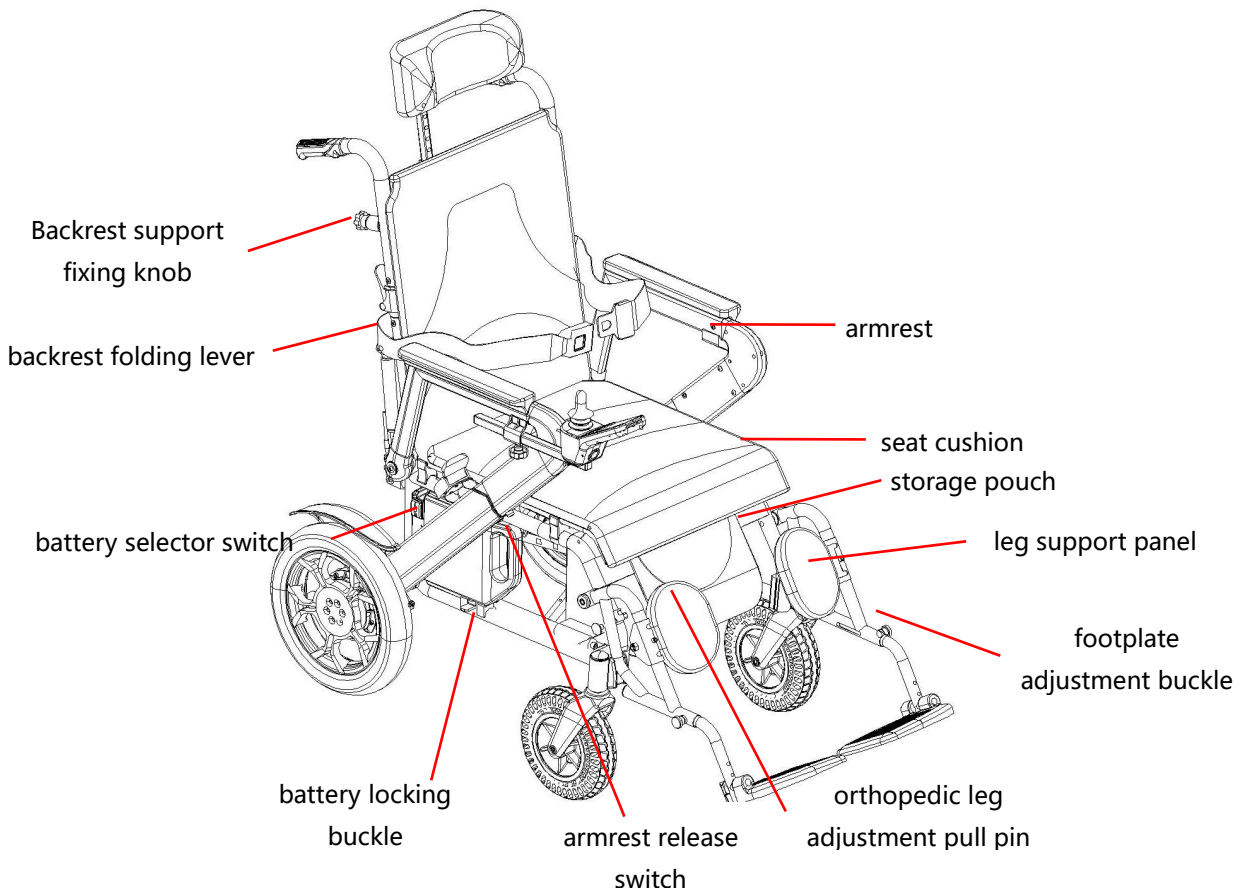
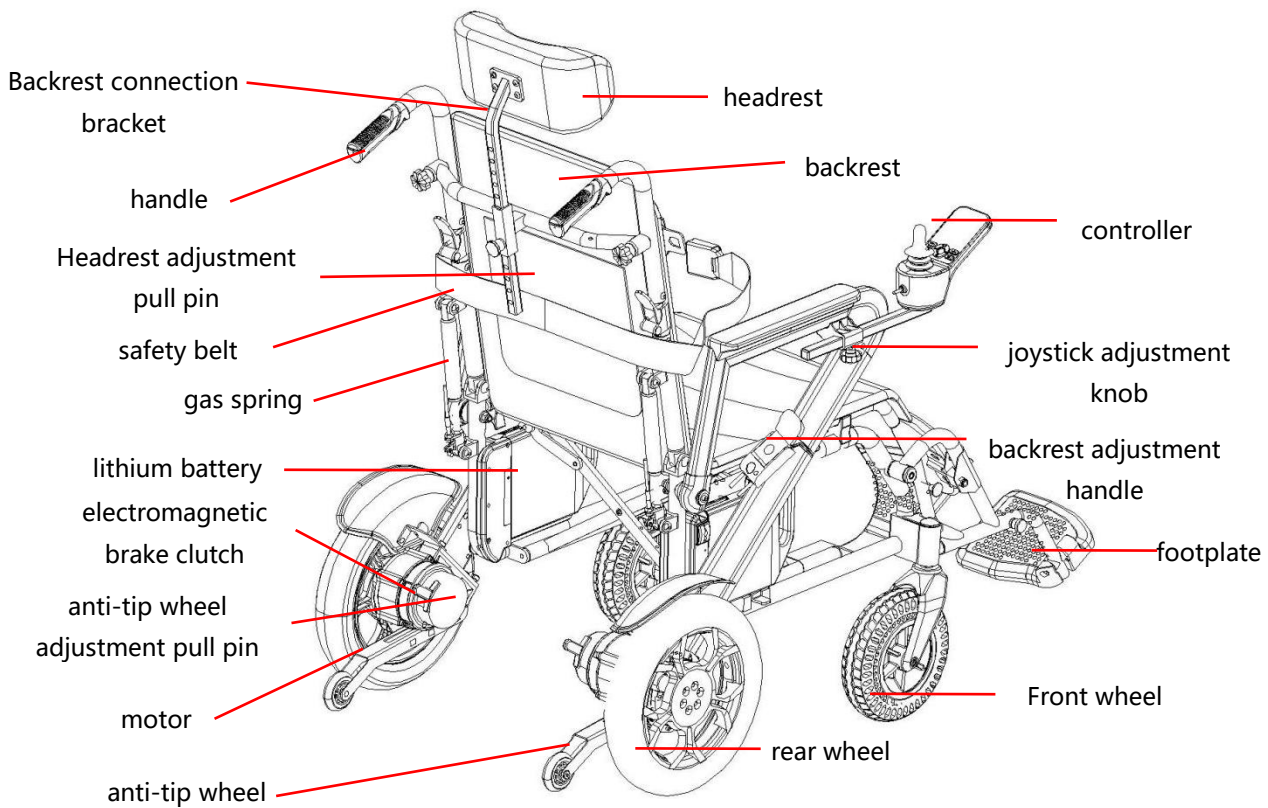
Do not store the wheelchair in wet or humid places such as bathrooms. If the wheelchair accidentally gets wet, please wipe it dry immediately.

Please Note

- ◆ Do not replace any components or use substitute materials without confirmation and authorization from our company.
- ◆ Do not exceed the rated load capacity of the wheelchair, as this may cause imbalance.
- ◆ If abnormal noise or unusual sounds occur during use, please contact us immediately for proper handling.

Chapter 2 Operating Instructions

2.1[Wheelchair Overview]

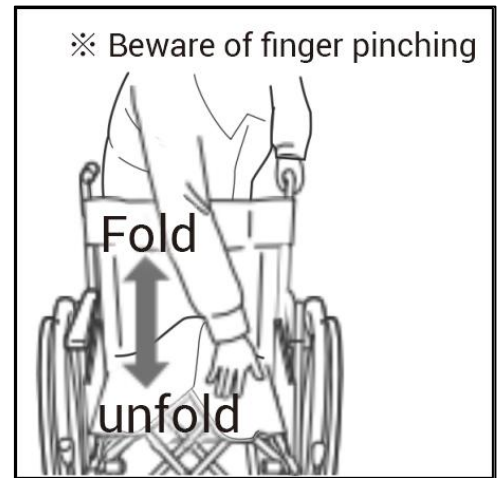


2.2[Unfolding and Folding the Wheelchair]

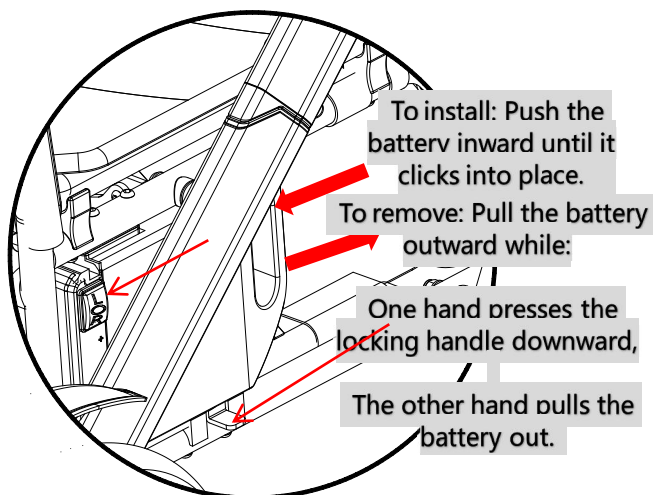
Unfolding: Press down on both sides of the seat cushion to fully open the wheelchair into its normal operating position, then lower the footplate.

Folding:

- (1) Remove the backrest connection bracket.
- (2) Remove the seat cushion and outer backrest cover.
- (3) Pull up the lower seat layer to lift the cross tubes and fold the frame.
- (4) Fold the footplate and close the armrests to complete the folding process.



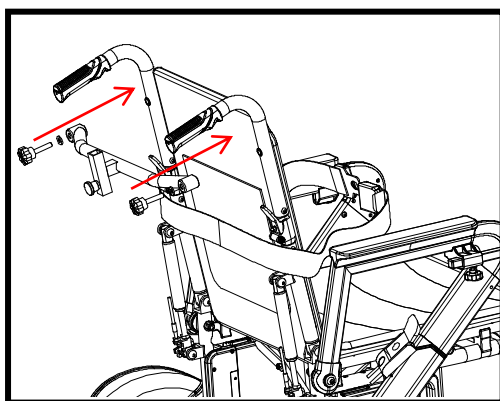
2.3[Battery Pack Installation & Removal]



 After unfolding the wheelchair, install the battery box:

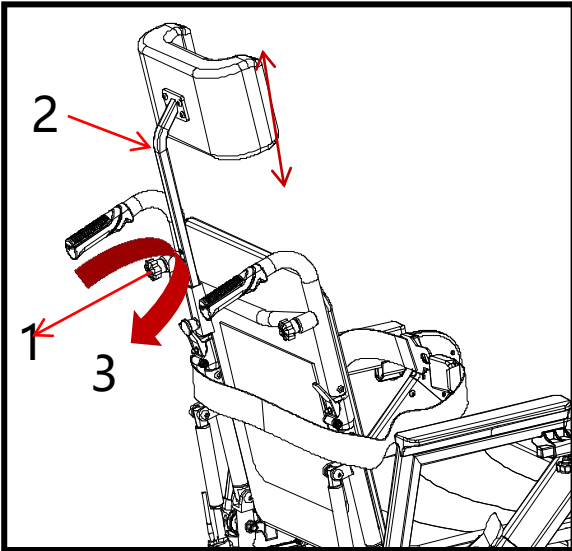
- When the power switch is set to L, the left battery powers the wheelchair.
 - When the switch is set to O, the power is turned off.
- When the switch is set to R, the right battery powers the wheelchair.

2.4[Installing and Removing the Backrest Connection Bracket]



Use the round knob and two flat washers on both sides to pass through the connector sleeve of the backrest bracket and secure it to the pull-cap on the handle tube.

2.5[Headrest Height Adjustment]



(1) The caregiver pulls the headrest adjustment pin with one hand while holding the headrest support rod with the other hand to slide it up or down.

(2) When the headrest reaches a suitable height, release the pull pin to let it lock into the corresponding positioning hole.

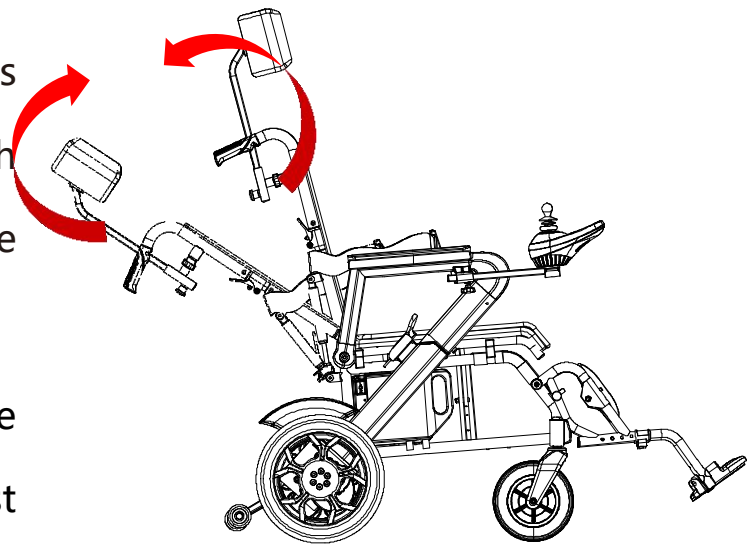
(3) Turn the pull pin clockwise to tighten and secure the support rod.

2.6[Backrest Angle Adjustment]

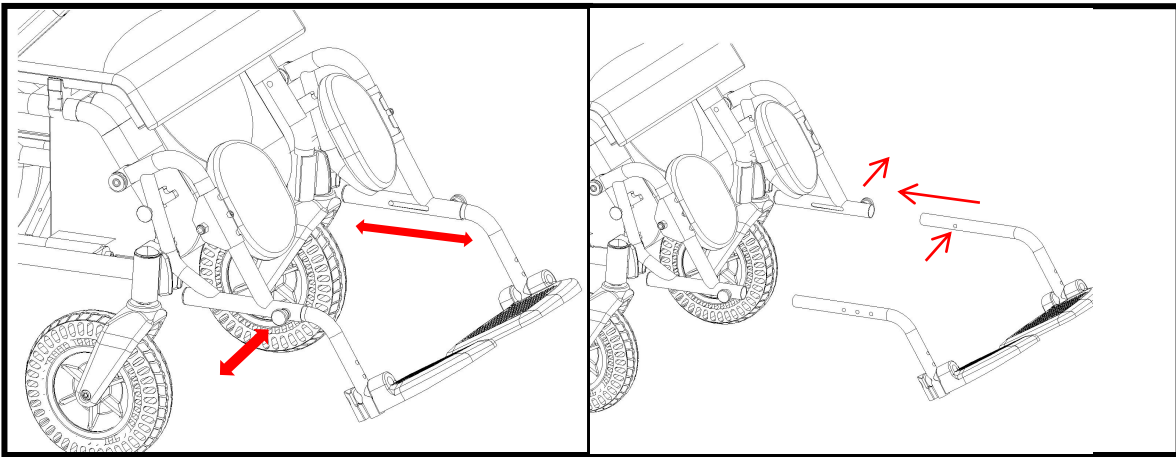
(1) While seated, the user presses the adjustment handle with the right hand until the backrest can tilt backward.

(2) Lean back and allow the backrest to move to the most comfortable angle (adjustable range approx. 105°–145°), then release the handle.

(3) After use, stand up (or with caregiver assistance), press the right-side adjustment handle again, and tilt the backrest fully forward until it locks into the folded position.

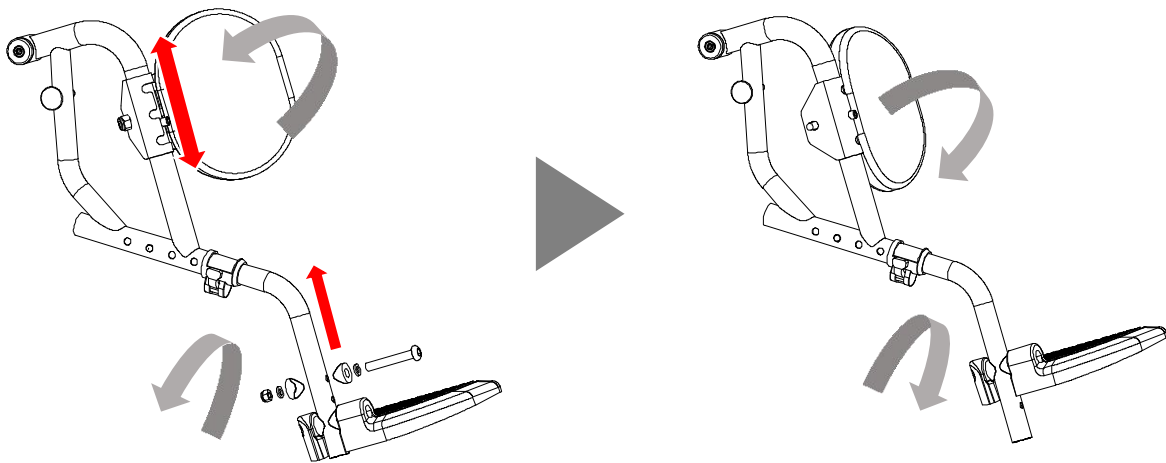


2.7[Footplate Installation and Length Adjustment]



- (1) Installation: Pull the pin upward, press the V-shaped spring buckle on the footplate tube, and insert it into the orthopedic leg adjustment tube.
- (2) Length Adjustment: Pull up the pin to allow the V-shaped buckle to slide inside the U-shaped slot. Release the pin so it locks into the hole at the desired length.
- (3) Removal: Pull the pin and press the V-shaped buckle to remove the footplate tube from the orthopedic leg adjustment tube.

2.8[Footplate and Leg Pad Adjustment]



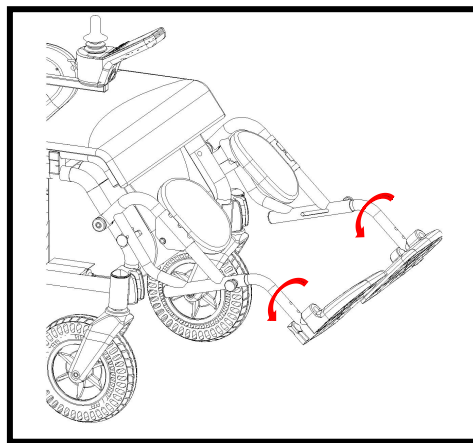
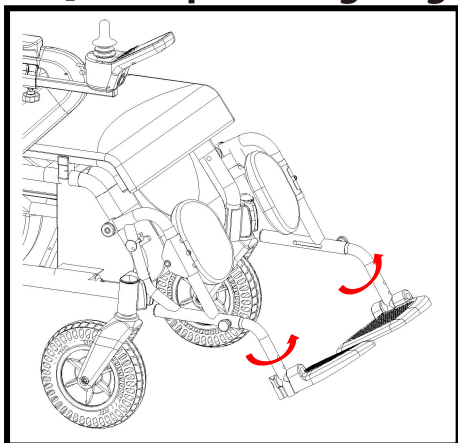
(1) Use a wrench to loosen the screw under the footplate counterclockwise, then adjust the footplate to a suitable height.

(2) Tighten the screw clockwise to secure the footplate.

(3) Flip up the leg support so that the vertical slot aligns with the limit screw, then slide up or down to the desired position.

(4) Fold the leg support downward and inward so the horizontal slot locks onto the limit screw, securing the position.

2.9[Orthopedic Leg Angle Adjustment]

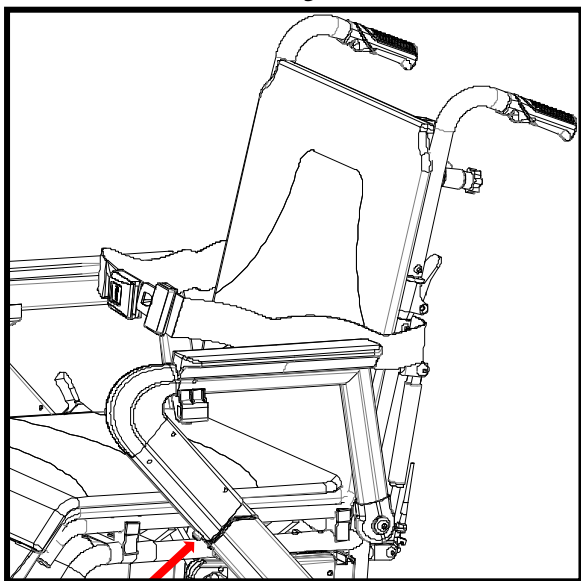


Note: When adjusting the orthopedic leg angle, it is recommended that a caregiver or guardian assist to avoid inconvenience or safety risks to the user.

(1) Hold the footplate fixing tube and rotate it upward until the spring pin is positioned above the pin limit. (The adjustable range for the orthopedic leg is approximately 23°.)

(2) With one hand, pull the spring pin outward while using the other hand to rotate the footplate fixing tube downward until it returns to the orthopedic leg limit block, completing the reset of the orthopedic leg.

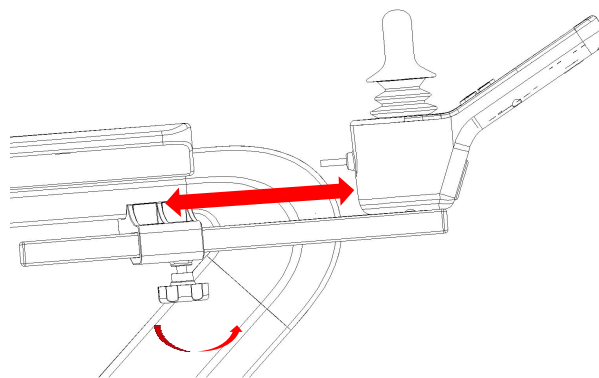
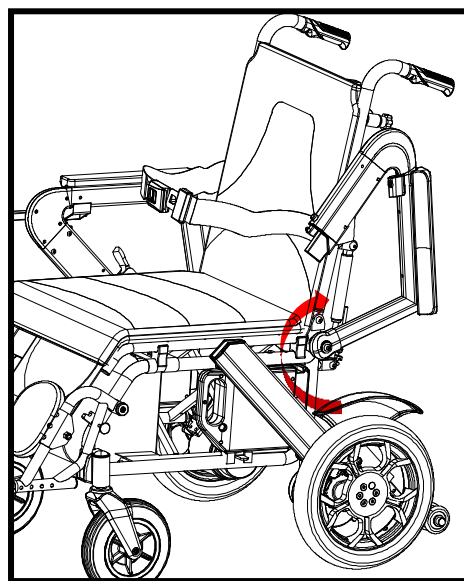
2.10[Armrest Adjustment]



Press

Opening the Armrest: Hold the armrest with one hand, press the button, and rotate the armrest upward to open it.

Closing the Armrest: Insert the lower end of the armrest into the rear support hole. The button will pop out, indicating the armrest is closed.

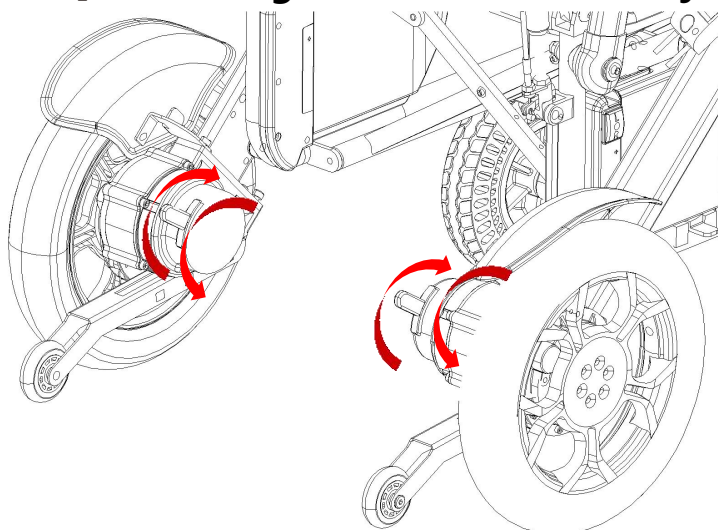


Controller Adjustment: Hold the controller with one hand and loosen the star knob with the other hand. Adjust the controller to the desired distance, then tighten the knob securely.

2.11[Electromagnetic Brake Clutch Adjustment]



Note:



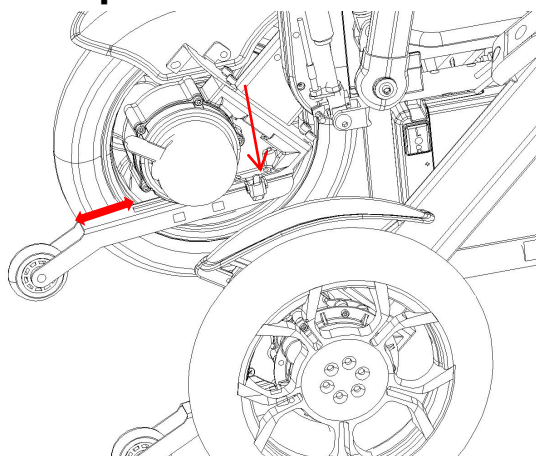
If the controller malfunctions or the battery is low, the wheelchair can be switched from electric to manual mode.

As shown in the left figure, when the clutch control lever is pulled backward, the wheelchair is in manual mode; when the lever is pushed forward, the wheelchair is in electric mode.

Important:

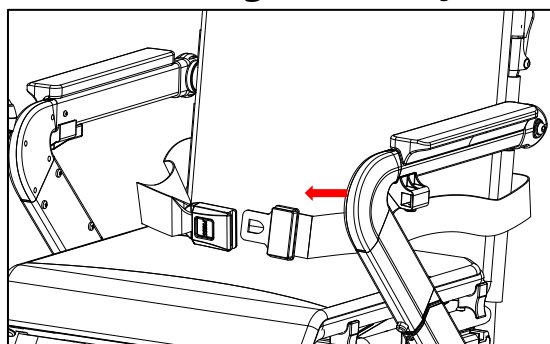
When the brake fixing lever is set to manual, turning on the controller will trigger three consecutive "beep-beep-beep" alarms. The speed display will blink intermittently and the wheelchair will automatically power off after one minute.

2.12[Anti-Tip Wheel Installation and Adjustment]



Hold the anti-tip wheel with one hand, press the pull pin with the other hand, adjust the anti-tip wheel to the desired distance, then release the pin to lock it into the square hole of the anti-tip rod. Finally, ensure the installation is secure.

2.13[Installing the Safety Belt]



Route the safety belt from the backrest to the front. Connect both ends with the buckle and adjust the length as shown.

2.14[Crossing a Step]



① The assistant presses the anti-tip wheel with their foot to tilt the wheelchair backward, lifting the front wheels to the height of the step.



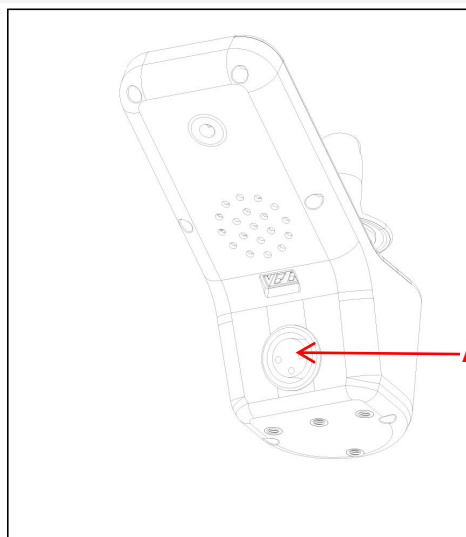
② Push the wheelchair slightly forward, then release the foot to propel the rear wheels over the step.



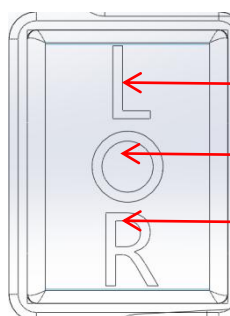
※Steps must only be crossed with assistance.

2.15[Battery Charging]

The charging port is located on the back of the controller. The battery can be charged using the adapter cable.



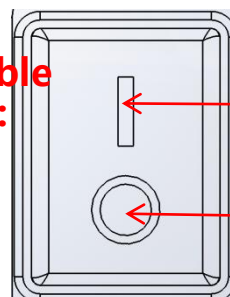
Adapter Cable Interface:



Switch to L to charge the left battery.

Switch to 0 to disconnect charging.

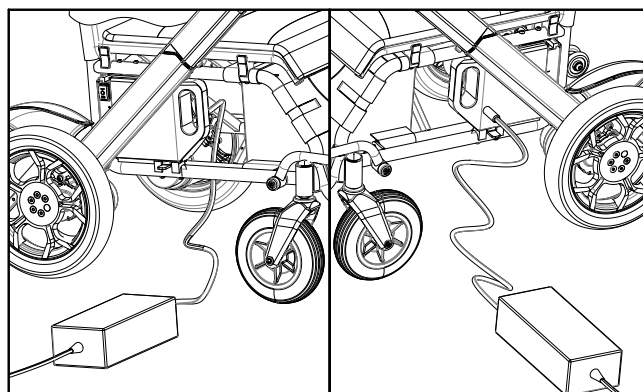
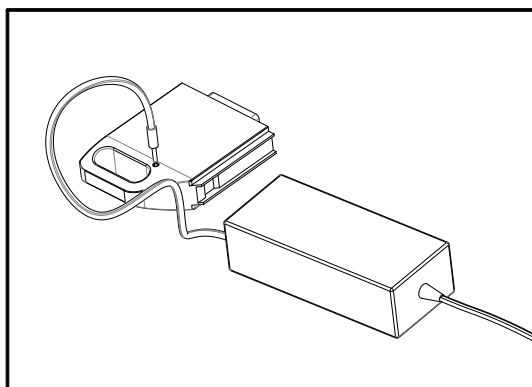
Switch to R to charge the right battery.



When charging a single battery, switch to I to charge the battery.

Switch to 0 to stop charging.

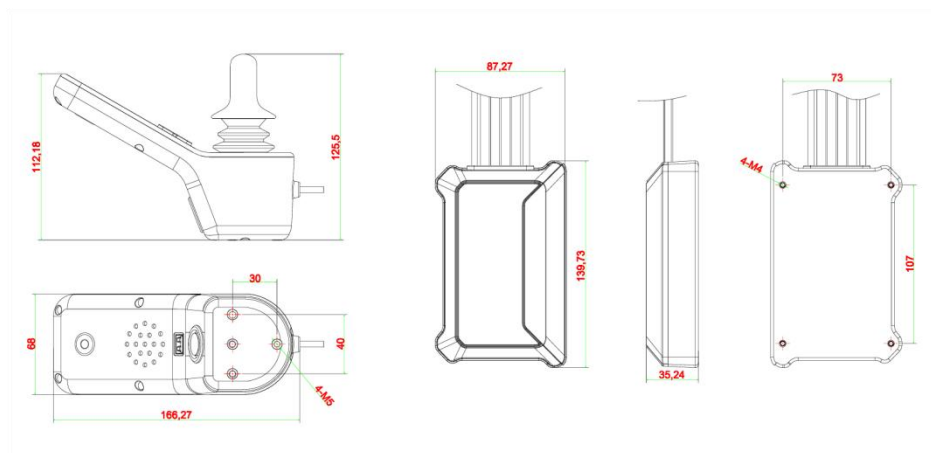
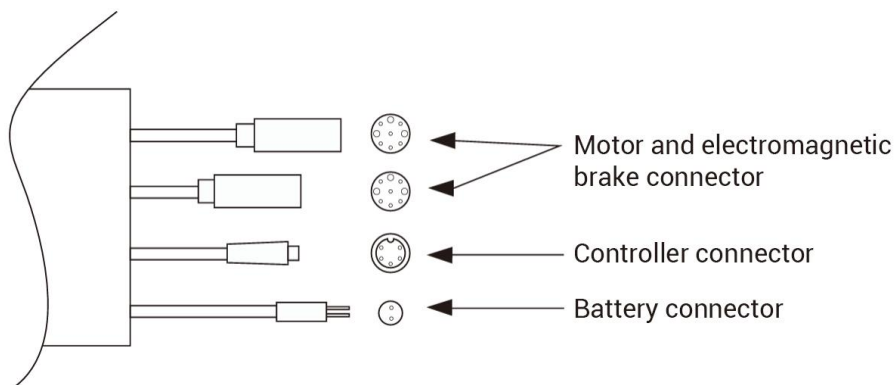
Do not charge the battery for more than 24 hours continuously when connected to the controller to ensure safe charging. Always unplug the controller connection after charging to prevent power loss. If the wheelchair is idle, charge the battery at least once per month to prevent degradation.



Maximum allowable charging current: 5A. Connect the output power first, then connect to external AC power. The charger's red light indicates charging, and green indicates the battery is fully charged. The battery box can be charged independently after quick-release, or left installed to charge the left and right batteries separately. **Do not ride the wheelchair while charging from the controller. The battery indicator will flash during charging and stop flashing when fully charged.**

2.16[Controller Wiring Installation]

The controller generally has four types of connectors, including those for the motor, battery, electromagnetic brake, and communication lines.



Battery Charging Precautions

1. Do not unplug the charger before charging is complete. Using the battery before it is fully charged may reduce battery lifespan. Always charge the battery fully whenever possible.
2. Once charging is complete, the indicator light will turn green. Do not stop charging prematurely.
3. After fully charging, turn off the charging power and unplug the connector. Failure to do so may result in gradual battery discharge. Maximum charging time should not exceed 24 hours to prevent risk.
4. If the wheelchair will not be used for an extended period, charge the battery at least once per month to maintain battery life.
5. Charging time may vary depending on ambient temperature. In winter, charging duration may need to be extended.

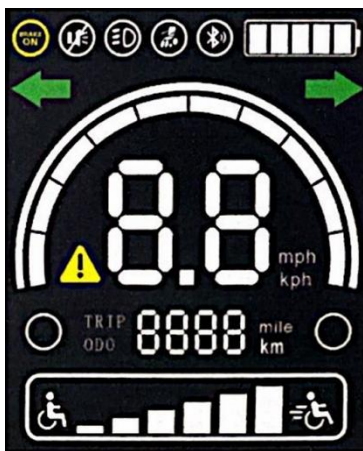
Charging Safety Rules

1. Always use the manufacturer-supplied standard charger. Non-standard chargers may pose hazards. Do not modify the charger circuitry without authorization. The manufacturer is not responsible for any accidents or product malfunctions caused by unauthorized modifications.
2. Ensure proper ventilation around the charging area. Do not charge in direct sunlight or in damp environments.
3. Do not cover the wheelchair, battery, or charger with waterproof cloth or other materials during charging.
4. Do not charge in environments below -10°C or above +50°C, as this may affect charger performance and damage the battery.
5. The fan noise during charging is normal and is part of the charger's heat dissipation function.
6. This charger is not waterproof.
7. Do not charge near flammable or explosive materials, such as oils, wood, or furniture.

Additional Safety Notes

1. Keep the battery away from flames during charging to prevent fire or explosion.
2. Hydrogen gas may be emitted during charging. Do not smoke, and ensure proper ventilation.
3. Do not use the charger if your hands or the power outlet are wet to avoid electric shock.

Chapter 3 – Controller Operation



3.1 [Battery Indicator]

The battery indicator has 5 lights. All lights on indicate sufficient battery charge. When the lights flash, the horn will sound, indicating low battery voltage. The wheelchair cannot be operated and requires charging.

3.2 [Speed Gear Adjustment]

Press the + or - button to enter the gear adjustment interface as shown in Figure 1.

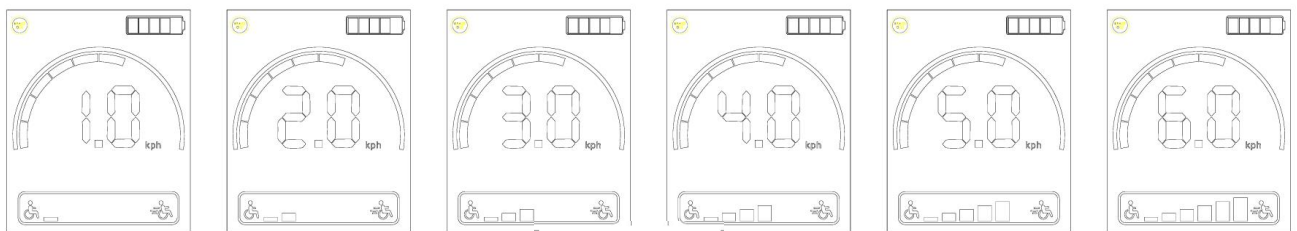


Figure 1

3.3[Horn Button]

Press the horn button  once to emit a warning sound exceeding 60 dB.

3.4[Lighting Button]

Press once to turn on the front headlights  the headlight icon on the display will light up . Press again to turn off the headlights.

3.5 [Mute Button]

Press once to mute all wheelchair sounds  including reverse warning sounds. The display icon will illuminate . Press again to reactivate sound.

3.6 [Electromagnetic Brake]

The brake indicator will light when the wheelchair is parked , and will turn off during driving.

Chapter 4 – Fault Codes and Solutions

When a system fault occurs, the corresponding indicator on the display will light up , and show a letter/number code. Refer to the table below for fault description and solutions:

LED Code	Fault Description	Solution
01	System under-voltage, low battery	1. Charge the battery; 2. Replace battery if defective
02	Controller over-voltage	1. Check 5-pin communication cable for poor contact; 2. Return controller to factory for inspection
03	System over-voltage	1. Check battery connection; 2. Verify battery and charger meet specifications; 3. Return for inspection
04	Brake fault	1. Check if brake release handle is stuck; 2. Return for inspection of electromagnetic brake
11	Left motor current abnormal	1. Check motor connector; 2. Inspect left motor wiring for damage; 3. Return for inspection
12	Left motor Hall sensor fault	1. Check motor connector; 2. Inspect wiring; 3. Return for inspection
13	Left motor MOSFET damaged	1. Return for inspection
21	Right motor current abnormal	1. Check motor connector; 2. Inspect right motor wiring for damage; 3. Return for inspection
22	Right motor Hall sensor fault	1. Check motor connector; 2. Inspect wiring; 3. Return for inspection
23	Right motor MOSFET damaged	1. Return for inspection
F0	Communication fault	1. Check 5-pin communication cable; 2. Inspect connector; 3. Return for inspection

F1	Joystick fault	1. Check joystick lever for looseness; 2. Inspect joystick ribbon cable and connector; 3. Return for inspection (do not apply glue to joystick lever)
F2	Joystick initialization fault	Reset joystick to zero position on startup to clear fault
Other Non-Fault Alerts		
5 battery indicator lights flashing sequentially	Vehicle cannot be used while charging	1. Charger still connected to controller; 2. Controller fault, send for repair
Buttons hard to operate, power on normally	Possible water damage causing oxidation	1. Clean circuit board under buttons; 2. Replace buttons and seals;
Power-on light illuminates briefly then goes off	Controller issue	send for inspection
No response on power-on, cannot turn on:	1. Button issue 2. Battery issue 3. Controller issue	1. If the charger can charge the battery via the controller port and the wheelchair powers on during charging, the battery is defective; if not, controller is faulty. 2. Check battery voltage (with load for lithium battery). 3. Return faulty controller for inspection.
Power Cut During Driving:	Common in lithium battery models due to battery protection circuit.	1. Disconnect the battery connector, then reconnect it or charge the battery to reactivate it. If the wheelchair powers on afterward, the issue lies with the battery. 2. If the charger can be connected to the controller's charging port and the wheelchair powers on during charging, the battery is damaged; if it still cannot power on, the controller is faulty. 3. Verify that the controller's battery mode is set correctly.
Other Features: Automatic Power-Off Function: If the wheelchair remains idle without any operation for 5–10 minutes, it will automatically shut down.		

Chapter 5: Maintenance and Warranty

5.1[Maintenance Instructions]

(1) Store the wheelchair in a dry and ventilated place, away from corrosive substances such as oil, acids, or alkalis.

(2) Keep the wheelchair clean. Use a mild, neutral detergent to wipe the body, then immediately dry it. Apply lubricating oil to the bearings.

(3) Avoid exposing the wheelchair to direct sunlight or rain. Do not use the wheelchair in the shower. If it gets wet, dry it immediately and apply lubricant to the bearings.

(4) Our wheelchairs are standard daily-use models. They are not suitable for sports activities such as ball games or racing.

(5) Regularly check the air pressure of pneumatic tires and inspect tire tread wear. Replace tires when necessary.

(6) Apply 2–3 drops of high-quality oil to the drive wheels and front caster bearings every month.

(7) Frequently remove debris (e.g., hair, threads) from the wheel bearings.

(8) Regularly check brake responsiveness and inspect seat and back cushions for damage to ensure safety.

5.2[Warranty Policy]

(1) Our wheelchairs come with a one-year warranty under normal use in accordance with the instructions in this manual.

- (2) The warranty period starts from the date of purchase.
- (3) Documents required for warranty service: the warranty card fully completed and stamped by the retailer.
- (4) If defects are found during the warranty period, notify the retailer immediately. Present this manual during repairs. If the defect falls under the warranty conditions, we will repair or replace defective parts free of charge.
- (5) Parts replaced under warranty remain the property of the company.
- (6) The warranty is void if modifications are made to the wheelchair structure or if non-original parts are used. The company is not responsible for any resulting damages.
- (7) The following situations are not covered by the warranty:
- A) Missing warranty card.
 - B) Warranty card records do not match the wheelchair model or have been altered.
 - C) Inner and outer tires of the wheelchair and caster wheels.
 - D) Damage caused by improper use contrary to the manual.
 - E) Damage caused by force majeure or accidents (e.g., fire, flood, traffic accidents).
 - F) Natural wear and tear, external damage, or damage caused by poor maintenance.
 - G) Deformation of seat or back cushions due to use.

- H) Rust on bearings caused by water exposure or lack of lubrication.
- I) Cracking or damage to armrest materials.
- J) Discoloration of metal parts.
- K) Scratches or color changes on painted surfaces of moving parts due to friction.
- L) Paint damage caused by collisions.
- M) Frame deformation, breakage, or other component damage caused by falls or collisions.
- N) Noise generated during sudden starts, stops, sharp turns, or vigorous in-place movement.
- O) Side panels damaged due to compression.

(8) Repairs for issues outside the warranty period or listed in section 7 will be charged.

Chapter 6: Specifications

Easwe G10 Electric Wheelchair Specifications	
Material	Aluminum Alloy
Overall Length (folded)	123CM
Overall Width	70CM
Overall Height	98CM
Seat Width	45CM
Front Wheel Size	7.5 寸
Rear Wheel Size	12 寸
Seat Height (from ground)	48CM
Seat Depth	46CM
Backrest Width	46CM
Net Weight	31.25kg
Load Capacity	100kg
Rear Wheel Drive Motor	350W
Battery	24V 24Ah Lithium Battery
Static Stability (Forward Tilt)	$\geq 10^{\circ}$
Static Stability (Backward Tilt)	$\geq 10^{\circ}$
Static Stability (Side Tilt)	$\geq 15^{\circ}$
Hill Climbing Capability	$\geq 8^{\circ}$
Free Roll Deviation	$\leq 350\text{mm}$
Minimum Turning Radius	$\leq 850\text{mm}$
Minimum Turning Width	$\leq 1500\text{mm}$

Other language versions. Video guidance.



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