



<20 km
Range per Charge



125 kg
Weight Capacity



90 cm
Turning Radius



Jazzy® Carbon Ultra-Lite

Your Greatest Travel Companion

Experience the ultimate in lightweight performance and strength with the Jazzy® Carbon Ultra-Lite powerchair. Designed for active lifestyles, it features a durable carbon fibre frame that folds down in a few quick motions and is powered by a reliable lithium-ion battery. Jazzy® Carbon Ultra-Lite gives you mobility and control to do it all.



Jazzy[®] Ultra-Lite Carbon



Long-lasting, lithium-ion battery



Rear LED Lighting



Compact one lever fold function

RANGE PER CHARGE (MAX)	Up to 20 km
MAXIMUM WEIGHT CAPACITY	125 kg
TURNING RADIUS	90 cm
MAXIMUM SPEED ²	6 km/h
LENGTH & WIDTH ¹	L: 105 cm W: 62 cm
WEIGHT OF HEAVIEST PIECE ³	15.3 kg
SEAT SIZE WIDTH & DEPTH (STANDARD)	45 cm x 45 cm (17.7" x 17.7")
HIGH-BACK SEAT-TO-FLOOR RANGE	48cm
STANDARD ELECTRONICS	40A, PG Control

1. Dimensions listed are for power base only Overall measurements will vary based on seating and accessory selections.
2. Varies with user weight, terrain, battery condition and tire pressure.
3. Does not include battery weights.
4. Battery weight may vary based on manufacturer.

Note: Standard 10.4Ah battery is air travel safe.

DRIVE TRAIN	Two motor, 24v, 170W Rear wheel drive
BRAKING SYSTEM	Electromagnetic Brake
FRONT WHEELS	8" castors
REAR WHEELS	12" Carbon Fibre
BATTERY REQUIREMENTS	10 Ah Li (standard) (252Wh) 20 Ah Li (optional)
BATTERY CHARGER	29.4v 2A
BATTERY WEIGHT OPTIONAL ⁴	10.4 Ah: Standard 2.24kg (252Wh) 20 Ah: 3kg (Optional) (504Wh)
COLOUR OPTIONS	■ Carbon

NOTE: All specifications subject to change without notice. The information contained herein is correct at the time of publication; we reserve to alter specifications without prior notice. Speed and range vary with user weight, terrain type, battery charge, battery condition and tyre pressure. Manufacturing tolerances and continual product improvement turning radius and ground clearance can be subject to variance.



Transport of this item on commercial aircraft is subject to federal regulations and airline policy. Please consult your airline prior to your flight to ensure your Jazzy Carbon[®] meets its lithium-ion battery requirements.

PRIDE[®]

MOBILITY

Owner's Manual



Jazzy
Carbon
Ultra-Lite

Safety Guidelines



WARNING! An authorized Pride Provider or a qualified technician must perform the initial setup of this power chair and must perform all of the procedures in this manual.

The symbols below are used throughout this owner's manual and on the power chair to identify warnings and important information. It is very important for you to read them and understand them completely.



WARNING! Indicates a potentially hazardous condition/situation. Failure to follow designated procedures can cause either personal injury, component damage, or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border.



MANDATORY! These actions should be performed as specified. Failure to perform mandatory actions can cause personal injury and/or equipment damage. On the product, this icon is represented as a white symbol on a blue dot with a white border.



PROHIBITED! These actions are prohibited. These actions should not be performed at any time or in any circumstances. Performing a prohibited action can cause personal injury and/or equipment damage. On the product, this icon is represented as a black symbol with a red circle and red slash.

INTENDED USE

This powerchair incorporates manufacturer's own designs and can be used in confined spaces both indoors and outdoors by the occupant and it is intended to comfortably transport adult people only excluding goods but user's weight should be limited to 125kg (275 lbs). Neither should it be used by people obviously suffering from physical or mental limitations that render them incapable of safely handling the powerchair in traffic.

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1. LETTER TO USERS

This product is designed and produced by Kunshan Hi-Fortune Health Products Co., Ltd on behalf of Pride Mobility Products.

This Owner's Manual is part of the product specifications; please ensure it accompanies every product sold and it is read thoroughly and understood before operating or driving the powerchair. This Owner's Manual is compiled from the latest specifications and product information available at the time of publication. We reserve the right to make changes as they become necessary. Any changes to our products may cause slight variations between the illustrations and explanations in the Owner's Manual and the product you have purchased.

NOTE: This product is compliant with WEEE, RoHS, and REACH directives and requirements.

NOTE: This product meets IPX4 classification (IEC 60529).

NOTE: This product and its components are not made with natural rubber latex. Consult with the authorized Pride Provider regarding any after-market accessories.

Please keep the following information:

Production information
(paste the barcode)













2.ATTENTION

2.1 UNPACKING INSPECTION

Please use the Parts List provided to check whether any parts or components are damaged or missing. If there is any damage or missing parts, contact your dealer or distributor immediately.

- Powerchair 1 ■ Cushion 1 set
- Charger 1 ■ User Manual

2.2 EXPLANATION OF SYMBOLS

Symbols	Description	Note
 WARNING	Hazard identification to cause either personal death or injury.	
 CAUTION	Failure to follow designated procedures can cause either personal injury, Component damage, or malfunction.	
	Mandatory	
	Prohibited	
	Refer to instruction manual/ booklet	
	Warning: hands/fingers pinch exist	
	Type B IEC 60601-1	
	Class II IEC 60601-1	
	Locked and in drive mode. Place unit on level ground and stand to one side when changing from drive mode to freewheel mode or freewheel mode to drive mode. Unlocked and in freewheel mode.	
	Power Chair information label	
	Manufactured in	
	Do not remove the anti-tip wheels.	

2.ATTENTION

2.3 SAFETY INSTRUCTIONS

ⓘ Read this Owner's Manual carefully before using your powerchair and make sure that you understand the use and operating details of all the various components. they are present.

⚠ WARNING:

⊘ Do not drive on roads with heavy traffic or roads that are muddy, gravelly, bumpy, narrow, covered with snow or ice, canal towpaths not guarded by any fence or hedge barrier. High levels of humidity or very cold conditions can reduce the performance of your power chair.

⊘ Never attempt to physically modify a power chair including the addition of third-party componentry as changes to power chairs will render your warranty void and that are likely to affect conformance and risk evaluation.

⊘ Do not suddenly shift of your body gravity as this could make the powerchair unstable.

ⓘ Lean forward when climbing, and lean back when going downhill, turn the speed control dial to low. Do not drive across a slope at an angle – always drive straight up and down the slope.

Note:

ⓘ When using your power chair on streets or footpaths, local laws and regulations apply.

GENERAL SAFETY–WARNINGS FOR SAFE USE

ⓘ **MANDATORY !** This complete user's manual should be read and fully understood before using and driving the powerchair.

⚠ WARNING! Disobeying the instructions described in this manual may result in damage to the power-chair or body injuries to the user.

ⓘ Neither should it be used by people obviously suffering from physical or mental limitations that render them incapable of safely handling the power chair in traffic.

⚠ WARNING! Never exceed the maximum permissible load-see Specifications.

⊘ **WARNING!** Never drive the powerchair under the influence of medication or alcohol.

⚠ WARNING! If you are taking medication check with your doctor or physician that your ability to control the power chair will not be impaired.

⚠ WARNING! Inspect all electrical connections, all controller connections, the brakes and battery charge to know the feel of your power chair and its capabilities as Pre-Ride Safety Check.

⊘ Designed solely for single use; no riders or additional persons.

⚠ WARNING! Never attempt to get onto or off your powerchair without first turning off the Joystick controller. This will prevent the powerchair from moving if accidental Joystick control contact is made.

⚠ WARNING! Never descend or climb a gradient which is greater than the recommended maximum see (3.4) Specifications.

⊘ **WARNING!** Never drive across (traverse) an incline, ramp etc, in any direction.

⚠ WARNING! Never use the powerchair without the anti-tip wheels correctly fitted.

⊘ **WARNING!** Do not use your powerchair on sand, rough terrain, or wet and slippery surfaces.

⚠ WARNING! This powerchair is not intended for use as a seat in a motor vehicle. The wheelchair could fail in a vehicle impact, leading to injury of the powerchair occupant or others.

⚠ WARNING! Do not use the powerchair if it is broken or is not functioning correctly.

⚠ WARNING! Before leaning or reaching forward, always push your bottom to the back of the chair and face the castors forwards.

⊘ **WARNING!** Never stand on the footplate, this will cause the powerchair to tip over and injure the user.






⚠ WARNING! Always place the powerchair on a stable, flat surface before transferring to or from the powerchair.

⚠ WARNING! The anti-tip wheels are only effective on firm ground. They will sink into soft ground such as grass, snow, or mud if the powerchair rests on them. On such surfaces, the anti-tip wheels will not function as intended and the powerchair could tip over.

⚠ WARNING! Turning your powerchair too sharply at high speed will cause loss of control and balance and will result in the powerchair tipping over resulting in serious injury or death.

2.4 REMARKS ON ELECTROMAGNETIC COMPATIBILITY (EMC)

We wish to point out that sources of electromagnetic waves (e.g. cell phones) are liable to create interference. The electronics of the power chair itself could affect other electric appliances as well. To reduce the effect of electromagnetic sources of interference, please read the following warnings:

-  **WARNING:** The power chair might disturb the operation of devices in its environment that emit electromagnetic field.
-  **WARNING:** The driving performance of the power chair can be influenced by electromagnetic fields (e.g. electricity generators or high power sources).
-  **WARNING:** Avoid using any portable TV or radio in the immediate environment of your power chair for as long as it is turned on.
-  **WARNING:** Check the area for transmitter masts and avoid using the power chair close to them.
-  **WARNING:** If involuntary movements or braking occur, turn off the power chair as soon as it is safe to do so.

Interfering electromagnetic fields may have a negative effect on the power chair's electronic systems. These can include:

- Disengagement of the engine brake
- Uncontrollable behavior by the power chair
- unintentional steering movements

In the presence of very strong or enduring interfering fields, the electronic systems could even break down entirely or malfunction.

2.5 PRE- RIDE SAFETY CHECK

Get to know the feel of your Travel Wheelchair and its capabilities. We recommend that you perform a safety check before each use to make sure your Travel Wheelchair operates smoothly and safely.

Perform the following inspections prior to using your Travel Wheelchair:

- Check the condition of the tires. Make sure they are not damaged or excessively worn.
- Check all electrical connections. Make sure they are tight and not corroded.
- Check all harness connections. Make sure they are secured properly.
- Check the brakes to ensure they operate properly.
- Check the battery condition meter to ensure the batteries are fully charged.
- Ensure the manual freewheel lever is in drive mode before sitting on the Travel Wheelchair.

If you discover a problem, contact your authorized Provider for assistance. Please refer to the Contact Information insert in your Owner's Package.

3 PRODUCT DESCRIPTION

3.1 PRODUCT FEATURES (HP200)

3.1.1 This product consists of frame, wheels, seat, armrest, lithium battery, motor and controller with a lightweight and compact design. The whole wheelchair can be folded by one button and it can be easily carried or rolled after folding. The armrest can be flipped backward, which is convenient for the elderly to move. It is also equipped with a high-performance controller, which can be flexibly operated by the elderly.

The battery box can be removed for charging.

3.1.2 IPX4 water resistance rating and anti-electric shock:

Type B applied part

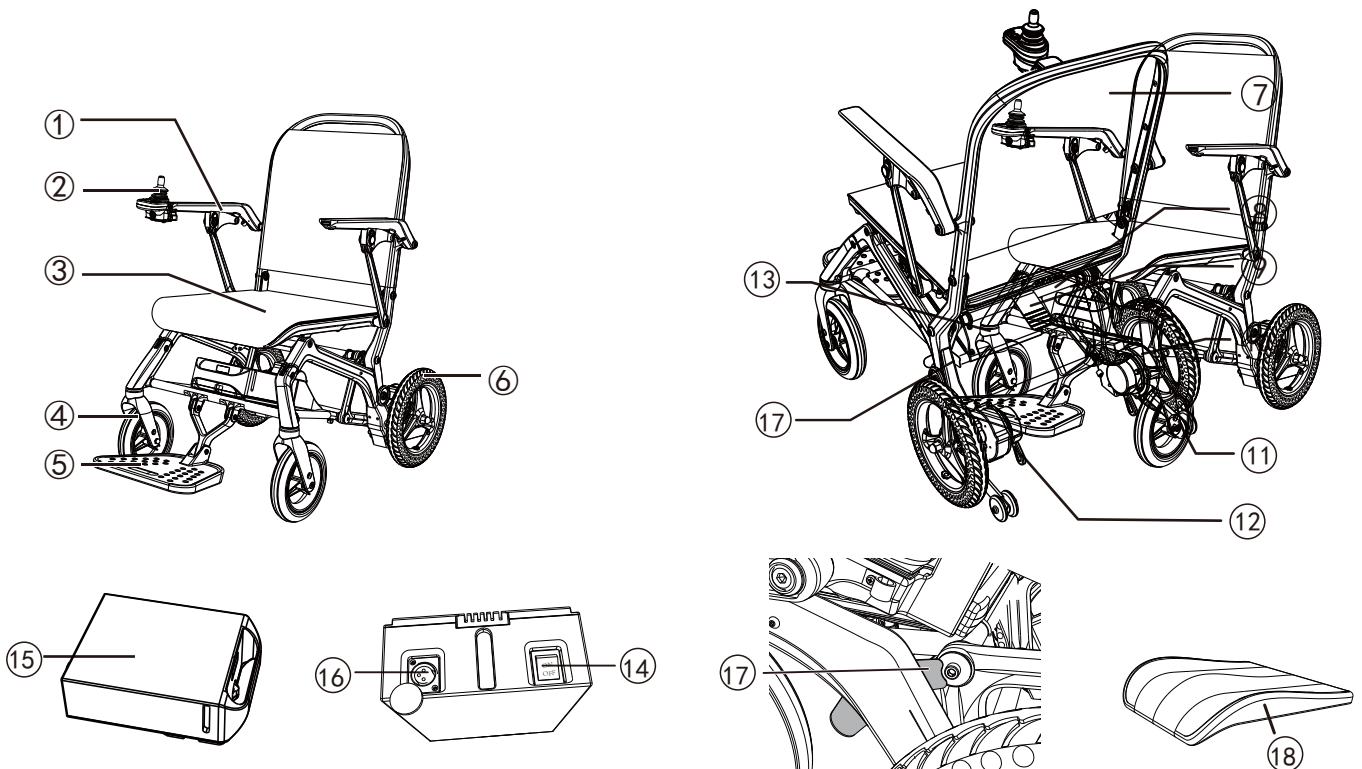
3.1.3 This product is designed for simplified operation and is user-friendly.

3.1.4 The ergonomic stretch mesh backrest and seat are designed to provide ample comfort for the driver.

3.1.5 This product is suitable for use indoors and on flat roads near buildings.

3.2 MAIN STRUCTURE

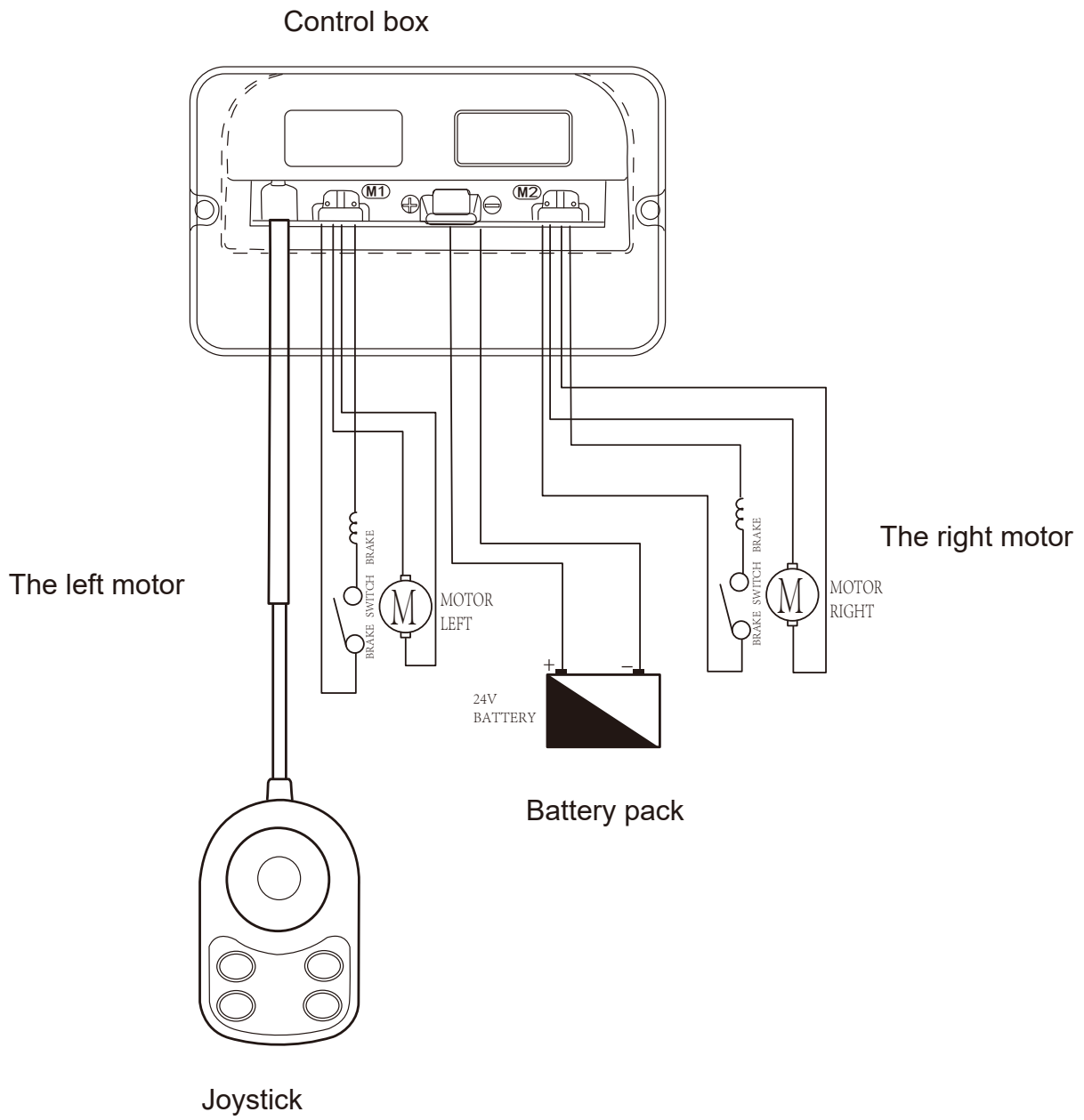
3.2.1 PART NAMES



- | | | | |
|------------------------|-------------------------|---------------------|-------------------|
| 1. Armrest | 6. Rear wheel | 11. Anti-tip wheel | 16. Charging port |
| 2. Joystick | 7. Backrest | 12. Freewheel lever | 17. Lock piece |
| 3. Seat (Stretch mesh) | 8. Lock lever | 13. Battery box | 18. Cushion |
| 4. Front wheel | 9. Foldable lock handle | 14. Battery switch | |
| 5. Footrest | 10. Rear wheel assembly | 15. Battery | |

3 PRODUCT DESCRIPTION

3.3 CIRCUIT DIAGRAM



3 PRODUCT DESCRIPTION

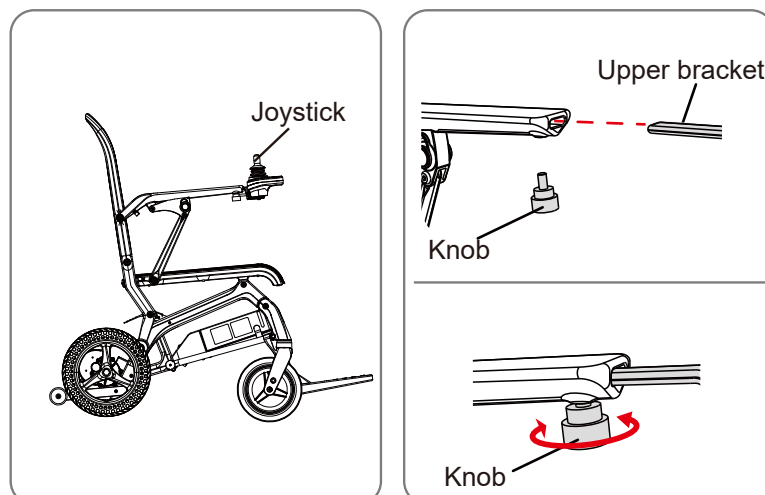
3.4 TECHNICAL PARAMETERS

Technical models	HP200
Frame	Carbon fibre
Weight (W/T Battery)	14.5KG
Max. load	125kg
Motor (Rated output power)	24V 170W
Battery	24V 20Ah/10.4Ah Li-ion battery (optional)
Charger	29.4v 2A Microphone head, AC PLUG medium gauge
Front wheel	8" PU tire
Rear wheel	12" tires and carbon fibre rim
Armrest	Flip up
Footrest	Foldable
Brake	Electromagnetic brake
Seat and backrest cushion	Stretch mesh
Opened dimensions	1000x620x950 (mm)
Folded dimensions	620x340x800 (mm)
Seat width	450 mm
Seat depth	450 mm
Seat height above ground	480 mm
Armrest height	250 mm
Backrest height	520 mm
Max. speed	6.0KM/h
Static stability	≥9°
Dynamic stability	≥6°
Braking distance on horizontal road	≤1.1 m
Slope holding performance	9°
Climbing ability	≥6°(<12°)
Obstacle crossing height	≥40 mm
Ditch crossing width	100 mm
Min. turning radius	≤900 mm
Theoretical driving distance (20AH battery)	20 Km


4.INSTALLATION & ADJUSTMENT

4.1 CONTROLLER INSTALLATION/REMOVAL


Insert the upper bracket of the joystick into the fixed tube of the armrest as shown in the diagram then tighten it with the knob. Operate oppositely if operated with left hand.





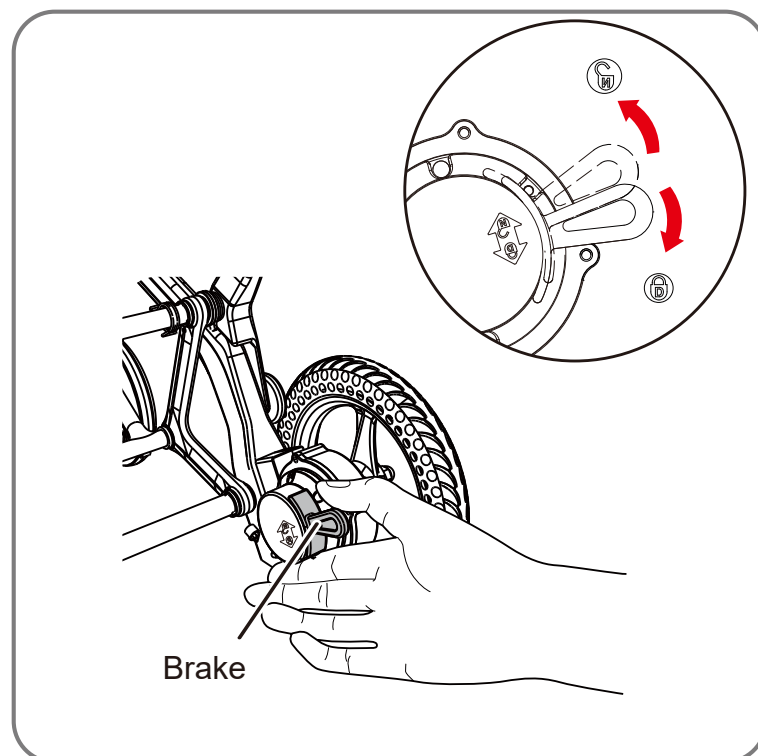
4.2 MANUAL FREEWHEEL LEVER

Pull the freewheel levers to the open position  to put the wheelchair in the brake-release position and you can push the wheelchair manually. When the handle is pushed to the closed position, the wheelchair is in the braking state and cannot be pushed.

 **WARNING:**

The brake must be in the closed state  i.e., the wheelchair can be started when it is in the braking state.

 It is forbidden to use the  opening function when the wheelchair goes uphill or downhill in order to ensure the safety of the user and wheelchair.

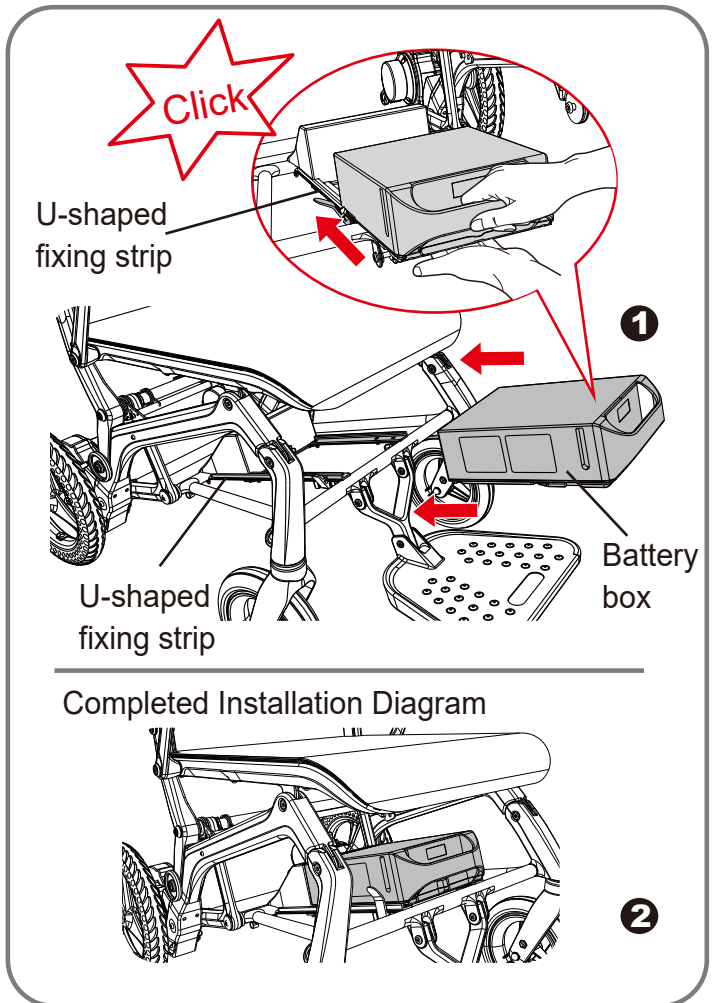


 **WARNING:**

1. Turn off the power button on the controller before the brakes are closed and do not sit on the seat while the brakes are opened. Do not open the brakes when the wheelchair is on a slope or any sloped position.
2. The brake system is in the open state when the brake is opened.
3. When the brake is opened, the wheelchair can only be pushed on the horizontal surface. After that, please put the electromagnetic brake to the closed state.

4.3 BATTERY BOX INSTALLATION, REMOVAL OR REPLACEMENT

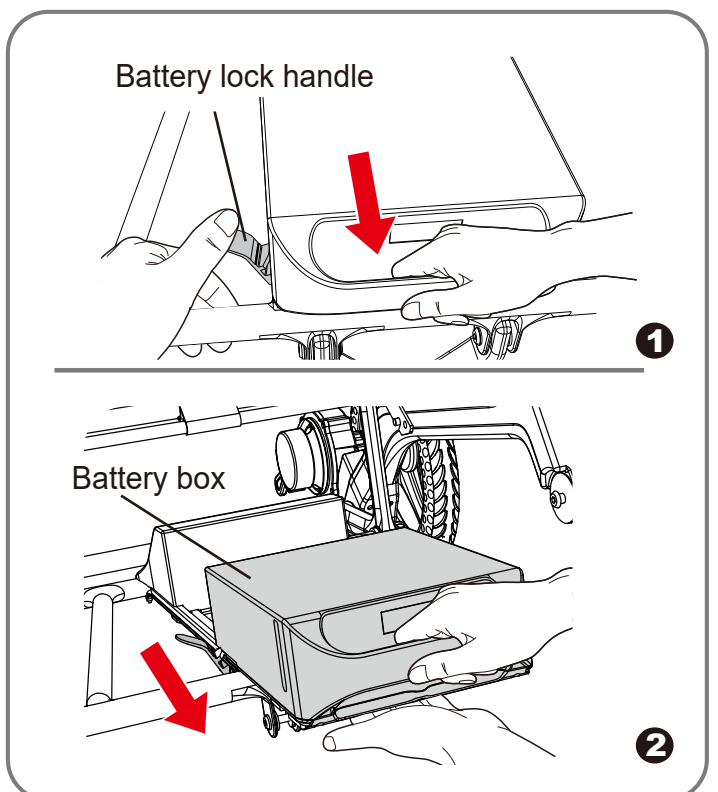
4.3.1 Installation: Push the battery box forward along the U-shaped fixing strip and align it with the front terminal until it clicks in place.



4.3.2 Removal or replacement: Remove the battery box by pressing the battery lock handle while pulling the battery box back along the slot.

Attention:

- ① When inserting the battery box, the button on the battery box should be in the "ON" state, i.e., the power is on.
- ② Hold the battery with both hands to prevent dropping when to install or remove the battery.

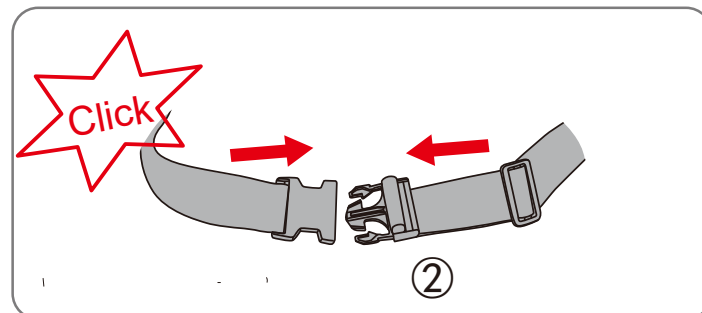
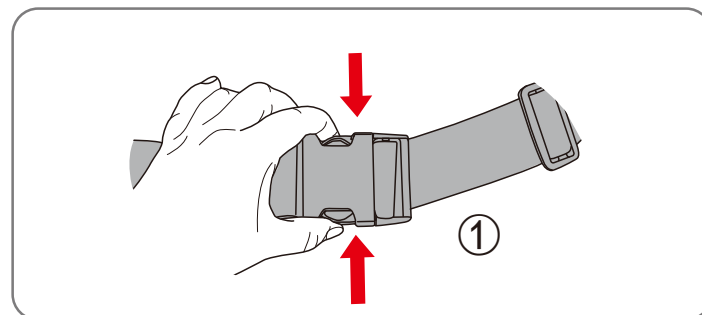


4.4 SEAT BELT REMOVAL AND INSTALLATION

1. Hold the buckle on the seat belt and press together to unbuckle the seat belt.
2. Align the buckle with the insert, press down until you hear the "click" sound.

WARNING

Please fasten the seat belt when you sit in the wheelchair.



4.5 ANTI-TIP WHEEL

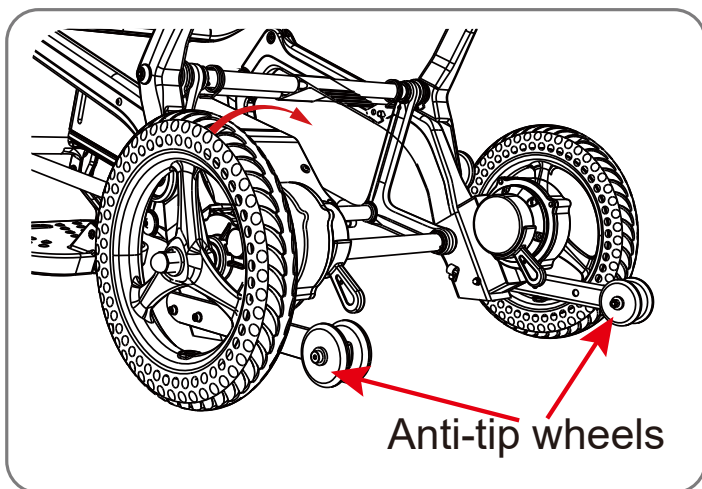
1. The wheelchair is equipped with anti-tip wheels, which are used to prevent the wheelchair from tipping over in an emergency. The anti-tip wheels of this wheelchair cannot be removed.

WARNING

Do not drive the wheelchair if the anti-tip wheels are removed or damaged.

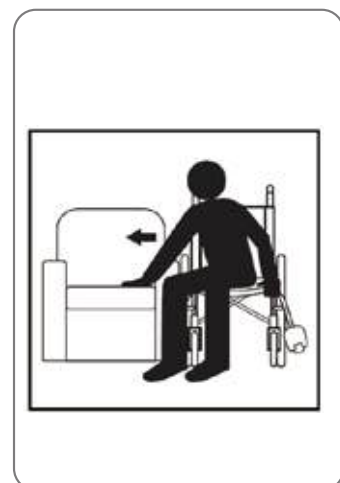
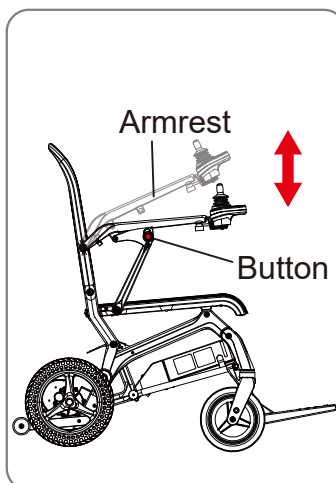
WARNING

Anti-tip wheels are only suitable for hard surfaces. If the road is muddy, the anti-tip wheel may get stuck.



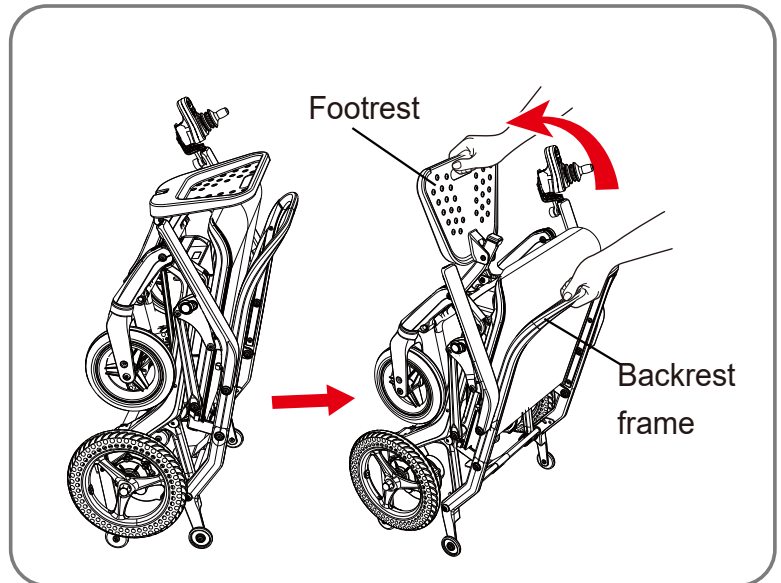
4.5.1 ARMREST LIFTING

- ① Press the red button on the side.
- ② The armrest can be lifted up or down, making it easy to get in or out of the wheelchair.



4.6 UNFOLDING THE POWERCHAIR

4.6.1 Hold the backrest frame with your left hand and open the footrest with your right hand as shown in the right diagram.



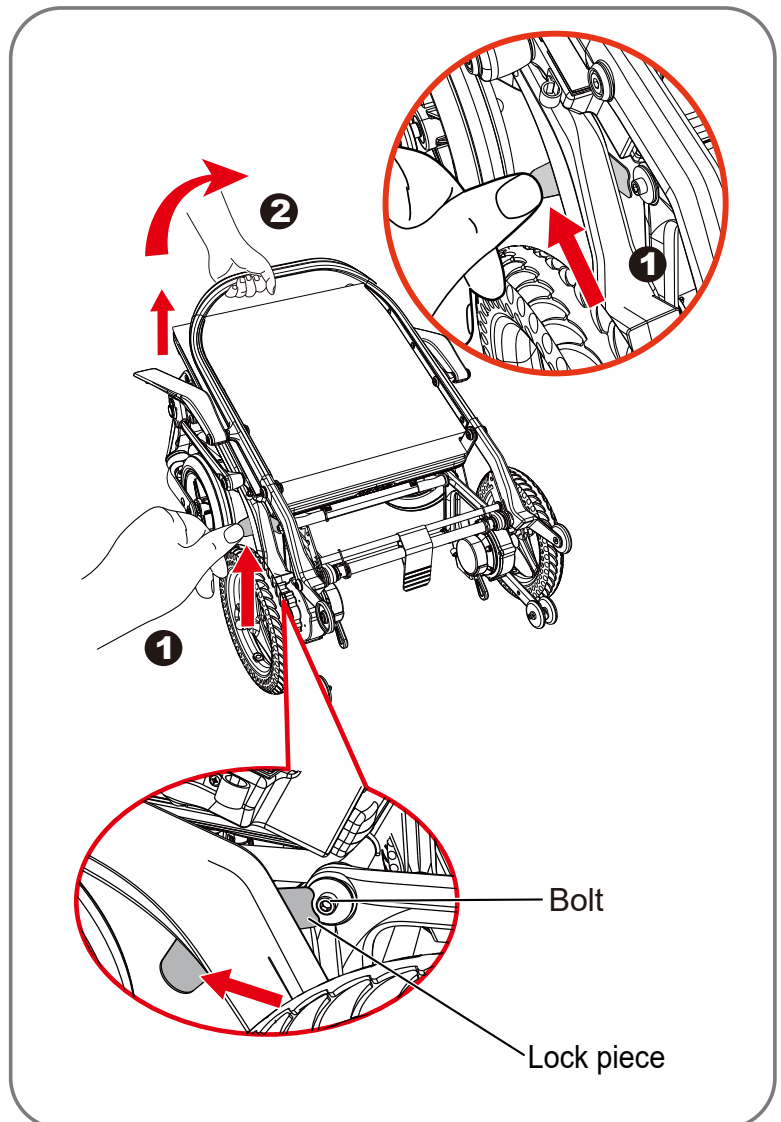
4.6.2 Before opening the powerchair, place the whole vehicle flat;

- ① Press the lock piece with the right hand to stagger the screw and the lock piece.
- ② At the same time, hold the backrest frame with your left hand and lift it upward to unfold outwards.

After the screw is separated from the lock piece, you can release it with your right hand.

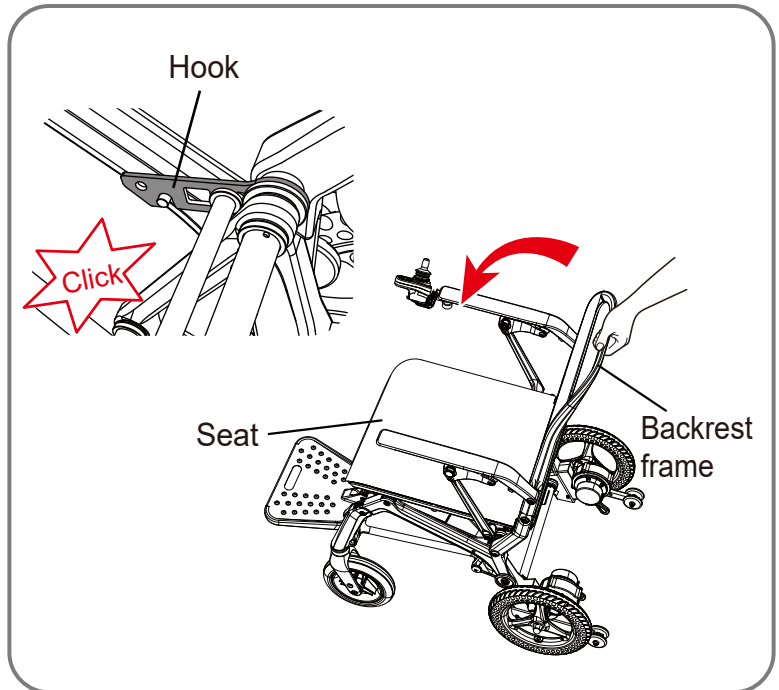
Attention:

When performing step ②, release your hand that pulls the release rope in time to prevent hand pinching!



4.INSTALLATION & ADJUSTMENT

4.6.3 When the backrest frame is opened, the wheelchair is fully opened when you hear the "click" sound and the hook snaps in place.



4.6.4 The wheelchair is fully opened.



4.7 FOLDING THE WHEELCHAIR

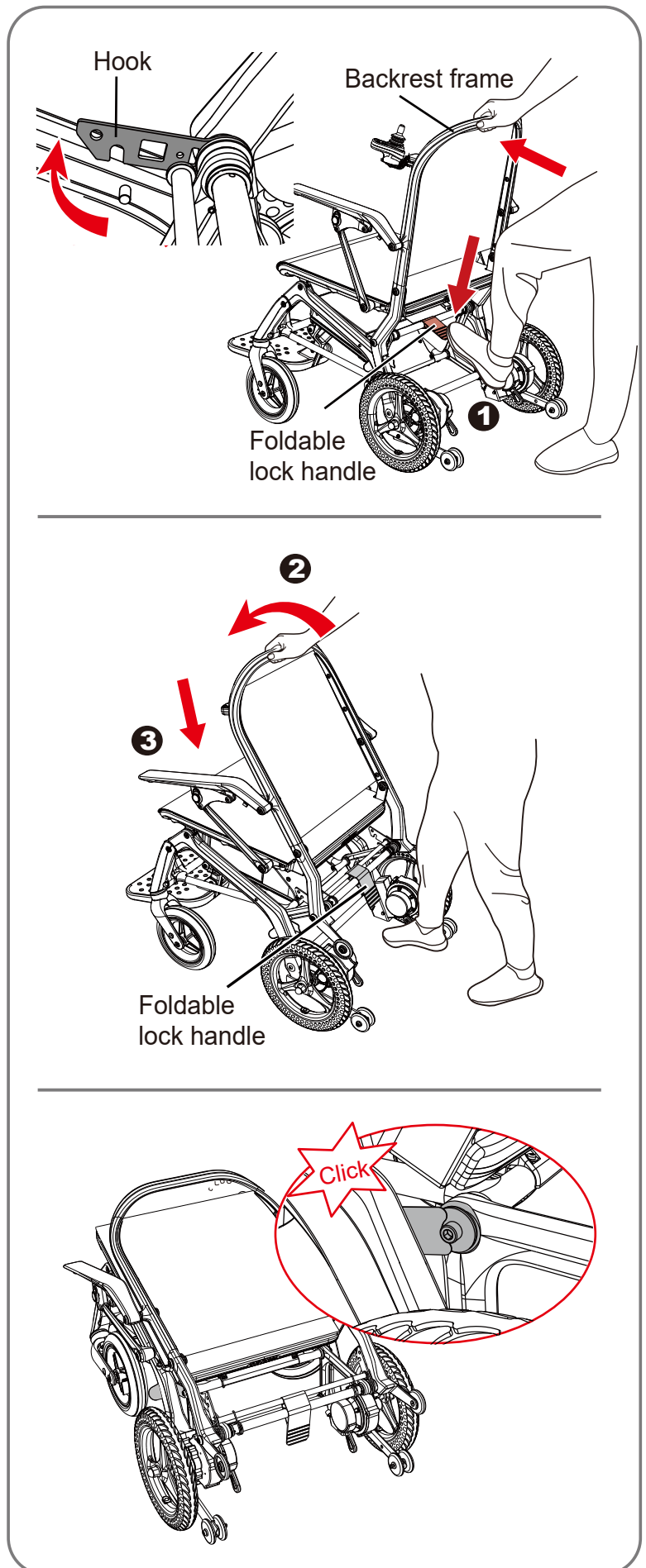
Attention:

Please remove the cushion, so that the wheelchair can be easily folded.

4.7.1 Step down the foldable lock handle with your right foot, and at the same time, hold the backrest frame with your right hand and push it forward until the hooks on both sides of the wheelchair are released as shown in the right diagram.

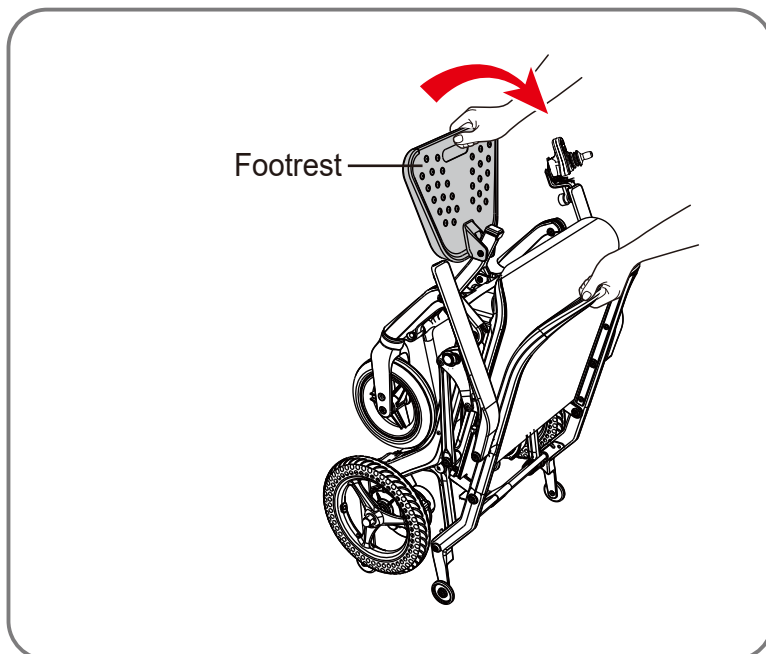
4.7.2 Once the hooks are released, raise your foot to release the foldable lock handle. Hold the backrest frame with your right hand and fold it downward toward the front and close it as shown in the right diagram.

4.7.3 When folded down and the "click" sound is heard, the lock piece blocks the screws and locks the wheelchair, so that it will not open automatically.



4. INSTALLATION & ADJUSTMENT

4.7.4 Once folded, flip the footrest inward again and put it together as shown in the right diagram.

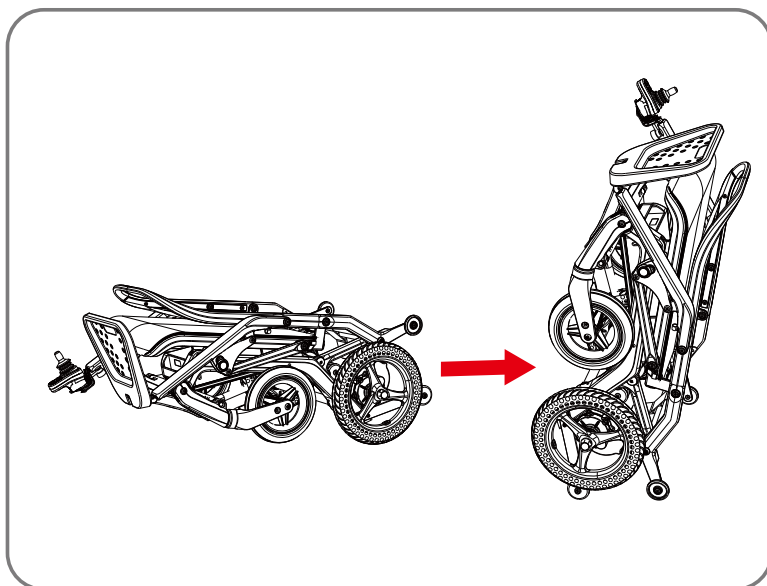


4.8 STANDING THE FOLDED WHEELCHAIR

After the wheelchair is folded, it can be stored vertically to save storage space.

WARNING

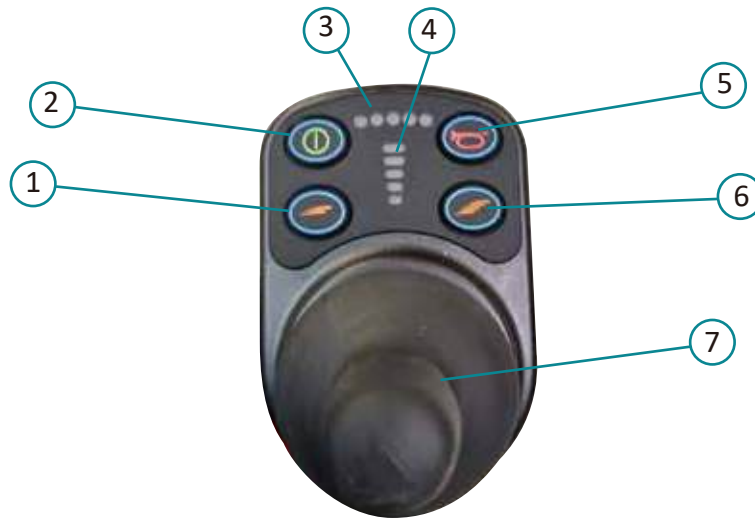
1. Before opening or folding the wheelchair, make sure there are no obstacles around the wheelchair.
2. Always make sure that your fingers are away from the mechanical joints of the folded wheelchair before opening or folding it to prevent hand pinching.
3. Do not sit on the seat or drive the wheelchair before the folded wheelchair is fully opened.
4. Make sure the wheelchair is fully opened before sitting on it or driving it.



5. OPERATING INSTRUCTIONS

5. OPERATION – DRIVING THE POWERCHAIR

5.1 JOYSTICK



- | | |
|---------------------|----------------------|
| 1. Low Speed Button | 5. Horn Button |
| 2. On/off Button | 6. High Speed Button |
| 3. Battery Gauge | 7. Joystick lever |
| 4. Speed Indicator | |

- 1. LOW SPEED BUTTON:** Press to slow the speed.
- 2. ON/OFF Button:** Press once to turn on the powerchair and press once to turn-off the powerchair.
- 3. BATTERY GAUGE:** Indicates the battery voltage. Green is fully charged; Amber is half full and Red indicates that the battery needs charging.
- 4. SPEED INDICATOR:** Indicates the speed set by the 'Slow Speed' or 'Increase Speed' buttons.
- 5. HORN BUTTON:** This button activates a warning horn.
- 6. High SPEED BUTTON:** Press to increase the speed.
- 7. JOYSTICK LEVER:** The Joystick lever the direction in which you travel. Push forward to go forward, pull back to go backwards, left to go left and right to go right.

WARNING

It is forbidden to turn off the power during driving, as this operation will suddenly make the powerchair stop and possibly tip over.

5. OPERATING INSTRUCTIONS

5.2 BEFOR SITTING ON YOUR POWERCHAIR

- Make sure the battery box switch is in the 'On' position.
- Make sure the Freewheel levers are in the 'Lock' position (see 4.2 Manual Freewheel lever).
- Make sure that the battery is fully charged.
- Secure the seat belt.
- Make sure the powerchair is fully opened and that the seat tubes are located correctly on the side brackets (see 4.6 Unfolding the powerchair).
- Make sure that the Joystick lever is turned off to prevent the powerchair from moving if accidental Joystick contact is made.

5.3 STARTING

- Make sure you are seated safely.
- Make sure the footrests are fitted at the correct height for your feet.

5.4 STEERING

- The Joystick allows you to steer the powerchair. We recommend that you lower the speed setting to the lowest speed until you have gained experience and practice in maneuvering the powerchair.
- Make sure to maintain sufficient clearance when turning your powerchair so that the rear wheels will be clear of any obstacles.
- Show even greater caution when maneuvering and steering in reverse.

5.5 DRIVING ON INCLINES, SLOPES AND RAMPS

- When driving your powerchair, never descend or climb a gradient which is greater than recommended: See 4.0 Specifications.
- Always drive straight up or straight down an incline, ramp, slope etc.
- Never drive across (traverse) an incline, ramp etc, in any direction-Driving across an incline, ramp etc could result in turning the powerchair over resulting in serious injury or death.
- Try and keep the powerchair moving when climbing or descending an incline. If you must stop, restart, and accelerate slowly and carefully.

WARNING!When driving on slopes the stopping distance of the powerchair can be significantly greater than on level ground.

6. BATTERY AND CHARGER

6.1 GENERAL INFORMATION & INSTRUCTIONS ON CHARGING

Your power chair uses one long-lasting Lithium-Ion battery. This battery is sealed and maintenance-free. Since it is sealed, there is no need to check the electrolyte (fluid) level. Lithium-Ion batteries are designed to handle a longer and deeper discharge. Though they are similar in appearance to automotive batteries, they are not interchangeable. Automotive batteries are not designed to handle a long, deep discharge, and also are unsafe for use in power chairs.



MANDATORY! Battery posts, terminals, and related accessories may contain lead and lead compounds. Wear goggles and gloves when handling batteries and wash hands after handling.



WARNING! Contact your authorized Pride Provider if you have any questions regarding the battery in your power chair.

Charging the Battery

The battery charger is essential in providing long life for your power chair battery. It is designed to optimize your power chair's performance by charging the battery safely, quickly, and easily. The battery charger is only functional when the charger power cord is plugged into an electrical outlet.



PROHIBITED! Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.



PROHIBITED! Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.



PROHIBITED! Do not allow unsupervised children to play near the power chair while the battery is charging. Pride recommends that you do not charge the battery while the power chair is occupied.



MANDATORY! Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the battery.



WARNING! Explosive gases may be generated while charging the battery. Keep the power chair and battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the battery.

WARNING! You must recharge your power chair's battery with the supplied off-board charger. Do not use an automotive-type battery charger.

WARNING! Inspect the battery charger, wiring, and connectors for damage before each use. Contact your authorized Pride Provider if damage is found.



WARNING! Do not attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorized Pride Provider.

WARNING! Be aware that the battery charger case may become hot during charging. Avoid skin contact and do not place on surfaces that may be affected by the heat.

WARNING! If the battery charger is equipped with cooling slots, then do not attempt to insert objects through these slots.

WARNING! If your battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust

to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.



6. BATTERY AND CHARGER

NOTE: The Jazzy ®Carbon Ultra-Lite battery can be charged with the battery box either installed on or removed from the power base.

6.2 CHARGING YOUR BATTERIES

- Make sure you read and understand the battery charger's user manual, if supplied, as well as the safety notes on the charger.
- Turn off the powerchair.
- Decide on which charging socket to use. You have 2 choices:
 1. Battery Box Socket (allows you to charge batteries 'off board' e.g. in your house) (Fig 6.2.1)
 2. Controller Charging Socket (saves you bending down to plug in charger) (Fig 6.2.2)

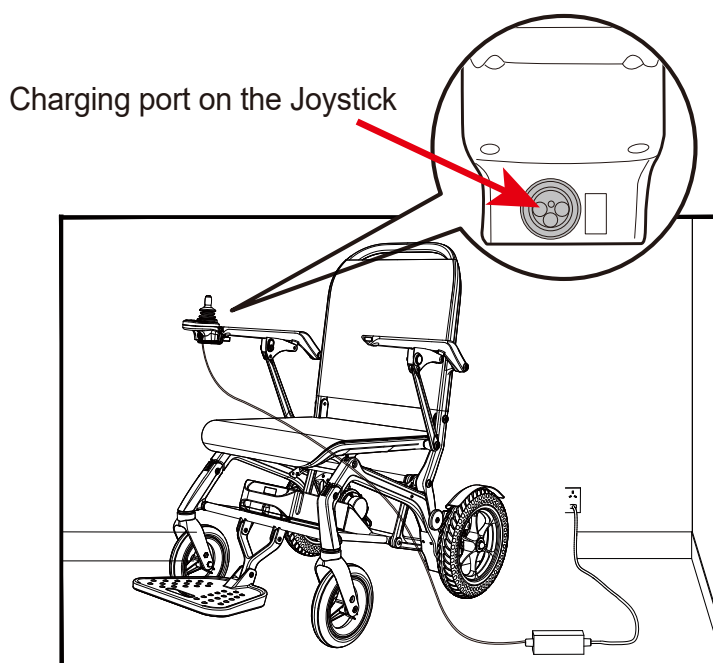
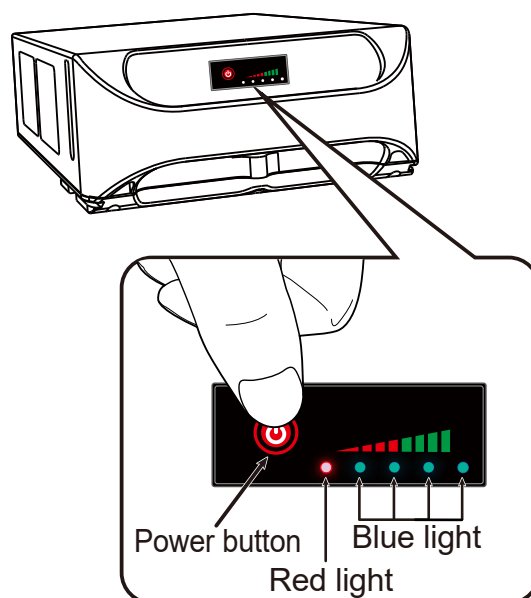


Fig 6.2.1



Note:

When you want to check the power, the button on the battery box should be "ON", then press the power button, the power indicator will be on and you can check the power.

Note: The indicator will be off automatically after 5 seconds.

1.Green indicator means the battery has power.

2.When the last four green indicators are off, it means that the power is low and the battery needs to be charged

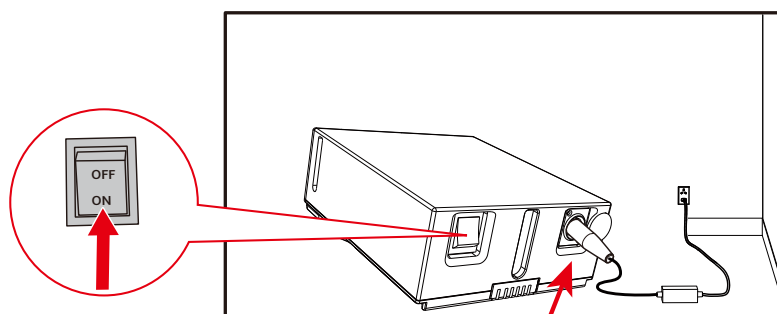


Fig 6.2.2


Battery charging port


Note: The button on the battery box should be "ON" during the charging, i.e. charging with the power on.


6. BATTERY AND CHARGER


 **WARNING:** Turn on the switch on the battery box prior to charging.


- Put the charger plug into the outlet point.
- Do not switch on the battery charger until all the plugs are in position.
- Turn off the mains power to the charger before removing the charger plug from charging outlet.

 **WARNING!** Risk of explosion and destruction of batteries if the wrong battery charger is used. Only ever use the battery charger supplied with your vehicle, or a charger that has been approved by Manufacturer.









 **WARNING!** Do not use or store the battery near sources of heat such as a fire or heater.

 **WARNING!** Never attempt to open or disassemble the charger. If the battery charger does not appear to be working correctly, contact your authorized provider.

 **WARNING!** Do not use the battery if it gives off an odour, generates heat or appears abnormal in any way. If the battery is in use or being recharged, remove it from the device or charger immediately and discontinue use.

 **WARNING!** Risk of electric shock and damage to the battery charger if it gets wet. Always protect the battery charger from water and always charge in a dry environment.

6. BATTERY AND CHARGER

-  **WARNING!** Risk of short circuit and electric shock if the battery charger has been damaged. Never use the charger if it has been dropped or damaged.
-  **WARNING!** Risk of electric shock and damage to the batteries- Never attempt to recharge the batteries by attaching cables directly to the battery terminals.
-  **WARNING!** Risk of fire and electric shock if a damaged extension cable is used. Only ever use an extension cable if it is absolutely necessary. If you must use an extension cable, make sure it is in good condition.
-  **WARNING!** Risk of injury if using the powerchair during charging. Do not attempt to recharge the batteries and operate the powerchair at the same time. Do not sit in the powerchair while charging the batteries.
-  **WARNING!** Chargers are selected precisely for particular applications and are specifically matched to the type, size, and chemical formulation of specific batteries. For the safest and most efficient charging of your powerchair's batteries, we recommend using the charger supplied as original equipment with your product.
-  **WARNING!** Never attempt to disassemble the battery from the battery box or refit the battery. Contact your authorized provider.
-  **WARNING!** If your battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.
-  **WARNING!** Never use or store the battery where it is exposed to high temperatures.
Leaving the battery in a car on a hot day or in an area of direct sunlight such as window will reduce battery performance and shorten service life.

6.3 FREQUENTLY ASKED QUESTIONS (FAQs)

How does the charger work?

The battery charger takes the standard electrical outlet voltage (alternating current) and converts it to 24V DC (direct current). The battery uses a direct current to run your power chair. When the battery voltage is low, the charger works harder to charge the battery. As the battery voltage approaches full charge, the charger does not work as hard to complete the charging cycle. When the battery is fully charged, the amperage from the charger is nearly at zero. This is how the charger maintains a charge but does not overcharge the battery.

Can I use a different battery charger?

You should use the charger supplied with the power chair. It is the safest, most efficient tool to charge the battery. We do not recommend using other types of chargers (e.g., an automotive battery charger).

NOTE: Your power chair's charger will not operate after the battery has been discharged to nearly zero capacity. If this happens, call an authorized Pride Provider for assistance.

How often must I charge the battery?

Many factors come into play when deciding how often to charge the battery. You may use your power chair all day on a daily basis or you may not use it for weeks at a time.

■ Daily Use

If you use your power chair on a daily basis, charge the battery as soon as you are finished using your power chair. Your power chair will be ready each morning to give you a full day's service. It is recommended that you charge the battery at least 8 to 14 hours after daily use. Pride recommends that you charge your battery for an additional 4 hours after the battery charger indicates that charging is complete.

6. BATTERY AND CHARGER

■ Infrequent Use

If you use your power chair infrequently (once a week or less), you should charge the battery at least once per week for 12 to 14 hours.

NOTE: Keep your battery fully charged and avoid deeply discharging your battery. Refer to the manual supplied with the battery charger for charging instructions.

How can I get maximum range or distance per charge?

Rarely do you have an ideal driving situation such as smooth, flat, hard terrain with no wind, hills, or curves. More often you are presented with hills, pavement cracks, uneven and loosely packed surfaces, curves, and wind. All of these factors will affect the distance or running time per battery charge. Below are a few suggestions for obtaining the maximum range per charge:

- Always charge the battery fully prior to your trip.
- Plan your trip in advance to avoid inclines if possible.
- Limit baggage weight to essential items.
- Try to maintain an even speed and avoid stop-and-go driving.

What type of battery should I use?

We recommend a Pride-supplied Lithium-Ion battery that is sealed and maintenance-free. Refer to the specifications table for more information regarding the battery used with your power chair.



WARNING! Corrosive chemicals contained in batteries. Use only Lithium-Ion batteries to reduce the risk of leakage or explosive conditions.

Why does my new battery seem weak?

Like nickel-cadmium batteries, Lithium-Ion batteries have a “memory” effect. Lithium-Ion batteries are specifically designed to provide power, drain down their charge, and then accept a relatively quick recharge. If the batteries are continually recharged after only being partially discharged, they lose their ability to hold a full charge.

We work closely with our battery manufacturer to provide a battery that best suits your power chair’s specific demands. Fresh batteries arrive regularly at Pride and are promptly shipped with a full charge. During shipping, the battery encounters temperature extremes that may influence initial performance. Heat robs the charge from the battery, and cold slows the power available and extends the time needed to recharge the battery (just as with a car battery).

It might take a few days for the temperature of the battery to stabilize and adjust to its new ambient temperature. More importantly, it will take a few “charging cycles” (a full drain—then a full recharge) to establish the critical chemical balance that is essential to the battery’s peak performance and long life. It will be well worth it to take the time to break in your battery properly.

How can I ensure maximum battery life?

A fully charged battery will provide reliable performance and extended battery life. Keep your power chair’s battery fully charged whenever possible. Batteries that are infrequently charged, repeatedly charged after only a partial discharge, or stored without a full charge may be permanently damaged, causing unreliable power chair operation and limited battery life.

NOTE: The useful life of a battery is quite often a reflection of the care it receives.

How should I store my power chair and its battery?

If you do not use your power chair regularly, we recommend maintaining battery vitality by charging the battery at least once per week.

6. BATTERY AND CHARGER

If you do not plan on using your power chair for an extended period, fully charge the battery prior to storage. Flip the battery switch to the off or “0” position, disconnect the battery, and store the power chair in a warm, dry environment. Avoid temperature extremes, such as freezing and excessively hot conditions, and never attempt to charge a frozen battery. A cold or frozen battery should be warmed for several days prior to recharging.

What about public transportation?

The Pride-supplied Lithium-Ion batteries are designed for application in power chairs and other mobility vehicles. Transport of the item on commercial aircraft is subject to federal regulations and airline policy. We suggest you contact the carrier’s ticket counter in advance to determine that carrier’s specific requirements, and to ensure your power chair and its Lithium-Ion battery are permitted.

What about shipping?

If you wish to use a freight company to ship your power chair to your final destination, repack your power chair in the original shipping container if possible and ship the battery in a separate box.

7. DAILY CHECKS & MAINTENANCE

Protect your power chair by having it checked regularly. We strongly advise you to have your powerchair checked at least once a year by a qualified dealer, who will only use the correct spare parts. This periodic inspection will ensure you that the powerchair will function safely for years. There are a lot of things you can do yourself to keep your powerchair in optimal condition. If you regularly check the wheelchair and perform (small) maintenance, this will extend the lifetime and increase the ease of use.

7.1 TYRES AND WHEELS

- Examine tyres periodically for wear and replace them as needed.
- Make sure the wheels can move freely without touching anything. The front wheel and fork should move freely to ensure a smooth ride.

7.2 MOTOR

- Is there any abnormal noise from the motor? Does the electromagnetic brake work properly?

7.3 CROSS FRAME

- Check that the cross frame of the wheelchair is in good condition. Make sure the wheelchair is easy to fold and un-fold.

7.4 BATTERY GAUGE

- Does the gauge move to green when switched 'ON'?
- Is the remaining power enough for your trip?

7.5 HORN BUTTON

- Is it working correctly?

7.6 UPHOLSTERY

- Check the textile for holes, cracks and worn spots.
- Check the upholstery-mounting grommets to make sure that they are all correctly aligned and secure.

7.7 CLEANING

- Clean the upholstery, chassis, plastic components, and non-electric parts on the powerchair regularly with a either a dry or moist cloth.
- Do not use water, oil or other chemical solutions to clean your powerchair. Be sure NOT to spray the powerchair with water as this can damage the electronic components. Please clean the powerchair by wiping it with either a dry or moist cloth.
- Please take the powerchair to an authorized dealer for repairs and adjustments. Improper adjustments could lead to accidents and powerchair malfunction.

7.8 UNIQUE IDENTIFICATION NUMBER

- Your powerchair has a unique identification number which is located at several different locations on the chassis and the battery box. This unique number will enable your authorized supplier to confirm with manufacturer if necessary, the age of your powerchair and when it was purchased.

7.9 END OF USE



The symbol means that your product should be disposed of separately from household waste according local laws and regulations. At the end of the wheelchair life, take it to the designated recycling place. Sorting and recycling will help conserve natural resources and ensure it is recycled in an environmentally friendly way.

Recycling of each part should be handled by a designated authorized recycling organization in accordance with local laws and regulations. As for plastic parts, frame and pipe parts, they can be handed over to professional recycling units for disposal after the end of use.

8 WARRANTY

WARRANTY POLICY:

LIMITED WARRANTY. IMPORTANT NOTICE-TO ENSURE THIS WARRANTY IS VALIDATED IT HAS TO BE COMPLETED AND RETURNED TO DEALER WITHIN 14 DAYS OF PURCHASE

8.1 ONE-YEAR LIMITED WARRANTY:

For one (1) year from the date of delivery, we will replace at our discretion to the original purchaser, free of charge, any part or electronic component found upon examination by an authorized representative of Manufacturer to be faulty.

- 1.Main Frame
- 2.Electronic controllers
- 3.Motor
- 4.Electronic magnetic brake
- 5.Charger
- 6.Any other electrical subassembly

NOTE: If there is an increase in the noise level from the motor/transaxle, the warranty does not apply. An increase in operational noise level usually occurs due to excessive strain on the powerchair.

8.2 BATTERIES

Batteries are covered by a six (6) month warranty from the original manufacture and a further six (6) month warranty.

Note: Gradual deterioration in performance due to batteries being left in a discharged state, left in cold conditions for long periods of time or worn out through heavy use is not covered.

8.3 WARRANTY EXCLUSIONS

1. Plastic parts footplate covers.
3. Tyres and Anti-tip Wheels.
4. Upholstery and seating.
5. Fuses.
6. Repairs and/or modifications made to any part of the powerchair without specific and prior consent from Manufacturer.
7. Circumstances beyond the control of manufacturer.

Exclusions also include components with damage caused by:

- 1.Contamination (rain, etc).
- 2.Abuse, misuse, accident, or negligence.
- 3.Commercial use, or use other than normal.
- 4.Improper operation, maintenance, or storage.

NOTE: Gradual deterioration in performance because the battery has been left in a discharged state, left in cold conditions for an extended period of time, or worn out through heavy use is not covered by the warranty.

8.4 SERVICE CHECKS AND WARRANTY SERVICE

This warranty is extended only to the original purchaser. Your original receipt will be necessary as proof of purchase before any warranty performances are rendered.

This warranty only covers failures due to defects in materials or workmanship which occur during normal use and does not cover damage that occurs in shipment or failures which are caused by products not supplied by Manufacturer or failures resulting from accident, misuse, abuse, neglect, mishandling, misapplication, alteration, modification, commercial use or by anyone other than an authorized dealer, or damage that is attributable to the acts of God.

The manufacturer reserves the right to alter without notice, any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

Important

This warranty is void if the original powerchair serial number tag is removed or altered.

To validate the warranty this form must be filled in online (where applicable) or posted to Manufacturer.

8 WARRANTY

8.5 NOTICES TO CONSUMER

There are no other express warranties. To the extent permitted by law, any implied warranty (including a warranty of merchantability or fitness for a particular purpose) is limited to:

1. One (1) year from the day of purchase.
- 2.. Repair or replacement of the defective part only.

8.6 MAINTENANCE RECORDS

Maintenance records			
Date	Issue	Cause	Remark

Name:	
Address:	Telephone:
Product name:	Barcode:
Purchasing date:	
Warranty period: (Except for wearing parts) , Others shown in the instruction manual.	

Note: Please go to the dealer for warranty registration within one month, this card will be valid with the seal of the dealer or the manufacturer, and the warranty will be carried out with this card.

9.1 FLASH CODE

TROUBLE SHOOTING

Fault Codes

If a system trip occurs, you can find out what has happened by counting the number of flashes on the Joystick Module BDI.

Below is a list of self-help actions. Try to use this list before you contact your service agent. Go to the number in the list which matches the number of flashes on the BDI and follow the instructions.

If the problem persists after you made the checks described, contact your service agent.

FLASH CODE	FAULT	EFFECT ON THE POWERCHAIR	SOLUTION
1	Battery charge is too low or there is a bad connection.	Powerchair continues to drive.	<ul style="list-style-type: none"> ● Charge batteries. ● Check all battery wiring connections. ● Contact your service agent.
2	Bad connection to left-hand motor.	Powerchair stops driving.	<ul style="list-style-type: none"> ● Check all connections between the motor and controller. ● Motor may be faulty and need replacing. ● Contact your service agent.
3	Faulty left hand motor wiring or a stall condition has been detected.	Powerchair stops driving.	<ul style="list-style-type: none"> ● Check all connections between the motor and controller. ● Motor may be faulty and need replacing. ● Contact your service agent.
4	Bad connection to right-hand motor.	Powerchair stops driving.	<ul style="list-style-type: none"> ● Check all connections between the motor and controller. ● Motor may be faulty and need replacing. ● Contact your service agent.
5	Faulty right hand motor wiring or a stall condition has been detected.	Powerchair stops driving.	<ul style="list-style-type: none"> ● Check all connections between the motor and controller. ● Motor may be faulty and need replacing. ● Contact your service agent.
7	A Joystick fault is indicated.	Powerchair stops driving.	<ul style="list-style-type: none"> ● Make sure the Joystick is in the centre position before switching on the controller. ● Contact your service agent.
7 + 'S'	A communication fault is indicated.	Powerchair stops driving.	<ul style="list-style-type: none"> ● Make sure the Joystick cable is securely connected and not damaged. ● Contact your service agent.
8	Controller error.	Powerchair stops driving.	<ul style="list-style-type: none"> ● Check all wiring connections including main battery connections. ● The controller needs replacing. ● Contact your service agent.
9	Brake error.	Powerchair stops driving.	<ul style="list-style-type: none"> ● The electronic brakes have a bad connection or fault. ● Check the brakes and motor connections ● Also check the controller connections. ● Contact your service agent.
10	Excessive Voltage	Powerchair stops driving.	<ul style="list-style-type: none"> ● This is usually caused by poor battery connections. ● Check the battery connections.

10.1 TRANSPORTATION AND STORAGE

- a) Ambient temperature range: -25°C — 50°C / -13°F — 122°F ;
- b) Relative humidity: $\leq 80\%$
- c) Atmospheric pressure range: 86kPa ~ 106kPa ;
- d) Can be transported in general transportation.

10.2 OPERATION

- a) Ambient temperature range: -5°C — 40°C / 23°F - 104°F ;
- b) Relative humidity: $\leq 85\%$
- c) Atmospheric pressure range: 86kPa ~ 106kPa ;

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