# Joy-Rider

# User Manual of Portable Electric Wheelchair



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# 1. Introduction

Thank you for choosing the Joy-Rider, it will become your partner to help you travel comfortably and increase your independence.

As folding the Joy-Rider only takes a few seconds, it can be stored in a small area taking up less space indoors and allows the chair to be easily placed in a vehicle, taxi, or used on public transport.  Using Joy-Rider frees you to travel to many more places and at a time your choose!

Your safety is of the highest importance. Before using the electric wheelchair for the first time, please carefully read and follow all instructions in the manual. For your safety, it is very crucial to fully understand all instructions in the manual.

For any loss of property or personal injury caused by improper use of wheelchair or incompliance with the instruction, the manufacturer and distributor assumes no legal responsibility.

If you have difficulty in understanding the warnings and instructions in this manual, please get touch with the dealer or supplier. Our intent is to widen your horizons and enrich your life!

## 2. Guidance for using

Before using the product for the first time, the user must completely read and understand the manual.

If you are unable to understand the warnings, tips and instructions in this manual or in need of extra help, please contact the authorized supplier or distributor, in order to receive professional guidance and help. If you do not follow this manual, it will lead to security risk due to incorrect use, and void the warranty.

Reference data
Authorized supplier：
Address：
Phone number：
Date of purchasing：

## 3. Safety sign of products

The following symbols are used to identify the warnings, mandatory measures and prohibited actions. Before using Joy-Rider for the first time, comprehensive understanding and being thoroughly familiar with these signs are of great importance.

| | |
|---|---|
|  | Read and follow the instructions in this manual. |
|  | Safety warning signs or instruction of dangerous operation endangering the safety of users or others. |
|  | When operate a wheelchair, do not use the mobile phone, walkie talkie, electronic equipment or other radio transmitters. |
|  | Mind your hand - potential pinch point. |
|  | Keep it in a clean and dry condition; keep away from rain, snow, ice, salt and water. |
|  | The battery contains corrosive substances |
|  | Risk of explosion |
|  | The tools and other metal items must be kept away from the battery connector. Once connected, it may cause a short circuit or electric shock and damage. |
|  | Flammable substances, avoid contact with open flame or spark source. Avoid that the battery and inflammable goods are transported together. |
|  | Processing and recycling |

# 4. Technical specification

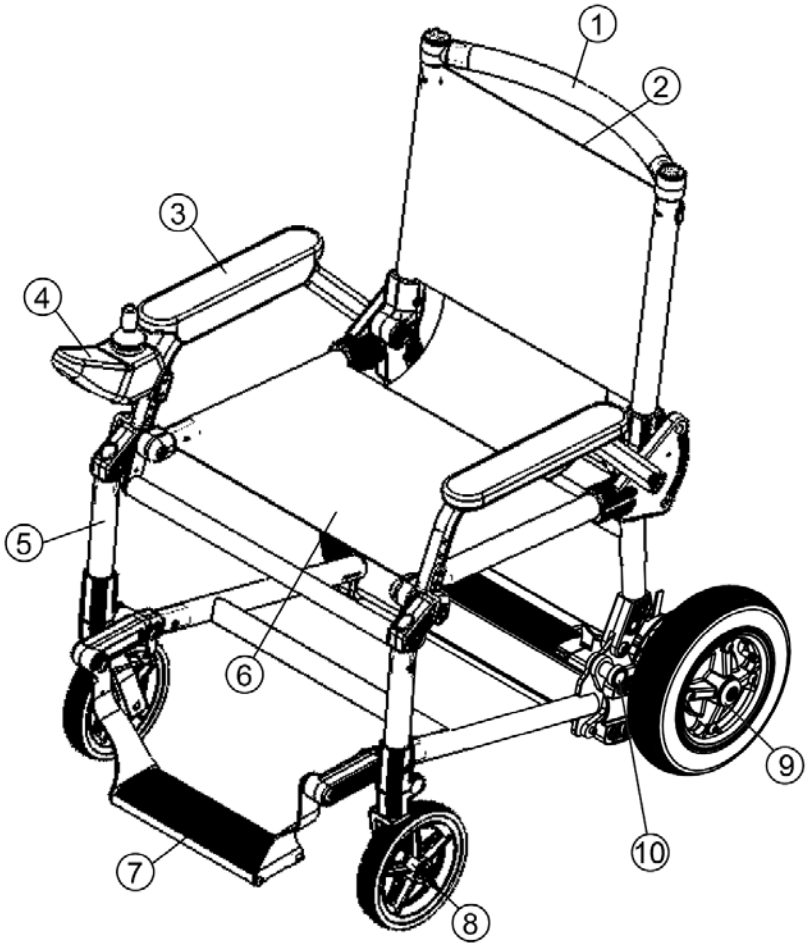
| Specification | |
|---|---|
| Size (unfolded): length*width*height | 855x660x910mm |
| Size (folded): length*width*height | 1115x660x320mm |
| Suggested weight of user | Maximum load: 253lb (115kg) |
| Gross/net weight | Weight with battery of 22.9kg/weight without battery of 21.1kg (Front section is 9kg, rear section is 13.9kg) |
| Maximum climbing angle | 10° (depending on the weight of the user/climbing safe angle) |
| Full charge mileage | 15km (varies with the user's weight, terrain, ground environment, battery status and driving habits) |
| Maximum speed | 6km/h |
| Maximum turning radius | 850mm |
| **Motor** | |
| Type | DC brushless motor |
| Motor power | 200W x 2 |
| Input voltage | DC24V |
| Quantity | 2 motors |
| Brake system | Electromagnetic brake |
| Braking distance | Within 100cm |
| **Battery** | |
| Type | Lithium battery |
| Rated capacity | 10.5Ah |
| Output voltage | DC24V |

| Controller | |
|---|---|
| Type | Brushless double drive joystick controller |
| **Front wheel** | |
| Size | 7 inches |
| Type | PU solid tyre |
| Number | 2 |
| **Rear wheel** | |
| Size | 10 inches |

| | |
|---|---|
| Type | Pneumatic tyre (including inner and outer tyre) 30PSI |
| Number | 2 |

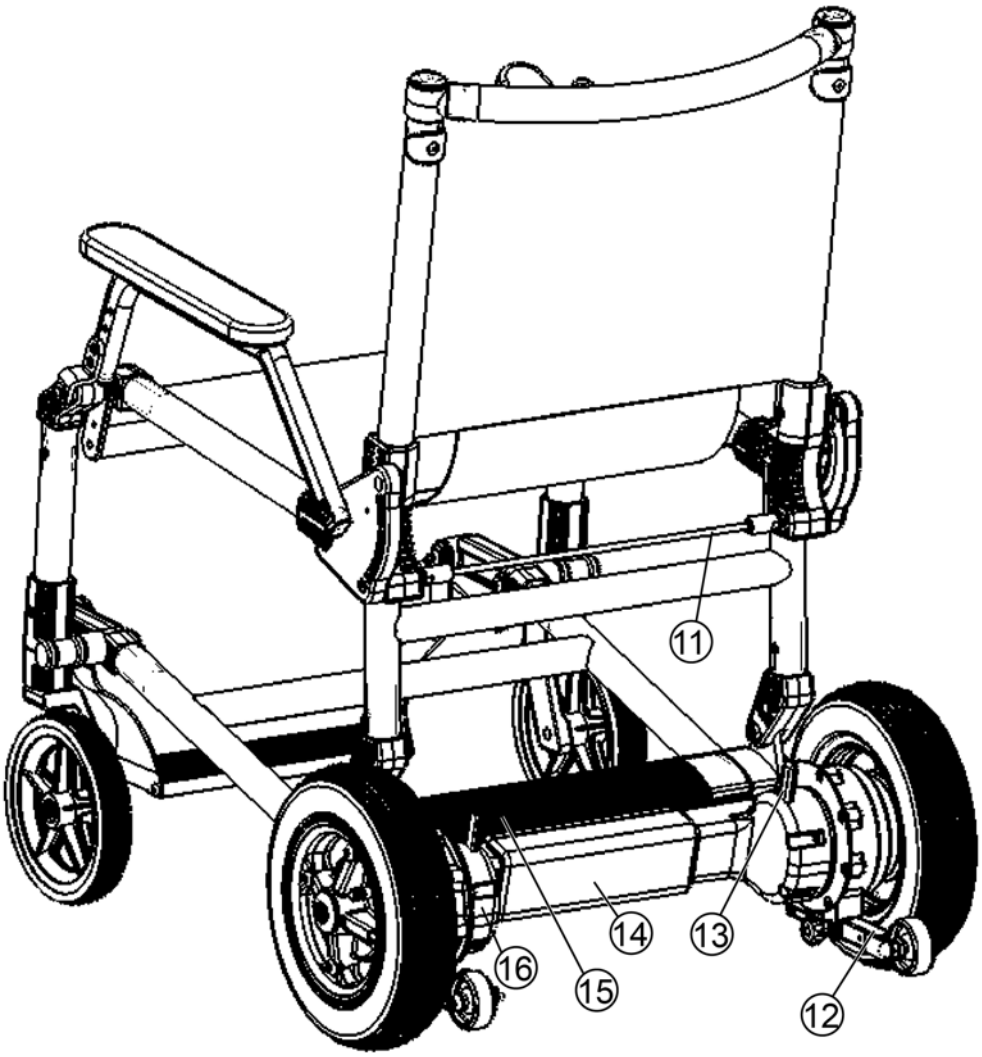
# 5. Features

## 5.1.Feature-1




| | | | |
|---|---|---|---|
| 1 · Backrest handrail | 2 · Backrest | 3 · Armrest | 4 · Joystick |
| 5 · Front leg | 6 · Seat | 7 · Footrest | 8 · Front wheel |
| 9 · Rear wheel | 10 · Positioning PIN | | |

## 5.2.Feature-2




| | |
|---|---|
| 11. Folding release cable | 12. Anti-tilting wheel |
| 13. Electromagnetic brake lever | 14. Control Box |
| 15. Battery | 16. Motor |

## 6. Electromagnetic interference warning

The electric wheelchair may be affected by the electromagnetic interference (EMI), which can cause damage or interference to wheelchair. For the user, it is important to understand

how this can happen and take protective measures against the risk of interference.

The electromagnetic wave sources from radio & TV stations, radio transmitters, two-way radio equipment (such as walkie talkie), mobile phone and computer. The interference by electromagnetic waves may cause malfunction or permanent damage to the wheelchair brake system and control system.



**Warning**

1. The users should pay attention to the following safety guidelines:
   Please do not turn on or use the portable transceiver, radio, radio broadcasting or any wireless communication equipment.
   Keep away from all radio sources.
2. If the wheelchair shows uncontrollable or unintentional movement, please disconnect the power supply immediately.
3. It is not allowed to modify the electric wheelchair in any way, including any addition or substitution of any parts.

## 7. Safety



**Safety guidance**

- Check all power supplies and mechanical connections to ensure their safety and

firmness.

- Check the battery at least once per month to ensure that the battery can be charged.
- Keep all metal objects away from the battery's positive and negative poles, otherwise, when sudden connection of two poles occurs, it will lead to short-circuit or electric shock.
- Familiarise yourself with all functions of the Joy-Rider.
- When you use it for the first time, please carefully check the user manual until you are completely skilled in the use of the wheelchair.
- When using the electric wheelchair, the user should always pay attention to the potential danger around them.
- When the electric wheelchair is not in use, please cut off the power supply, charge the battery and store it in a clean and dry place.
- Before using the Joyrider, please check that the tires are in good condition and free from any abrasions.
- Please make sure the tire pressure is within the marked range shown on the tire wall.

## 7.1.Joystick Controller

When using the electric wheelchair, in order to ensure your personal safety, the joystick controller must be installed safely (as shown in Figure A1). If any switch on the control panel fails to work or has no response, please immediately stop using the wheelchair, and contact the manufacturer for repair or replacement.



A1

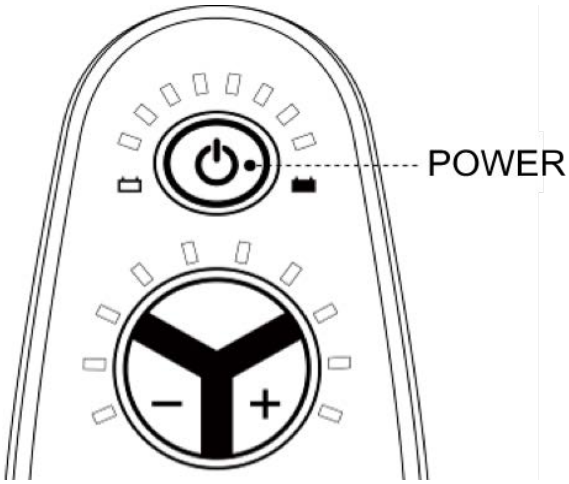
## 7.2.Static state

When the wheelchair is not in use, the power must be switched off even for a short period

of time (see Figure A2). This will:

- prevent accidental contact with the joystick, resulting in unexpected movement of the wheelchair.
- Prevent the wheelchair from being unintentionally operated by any electromagnetic interference.

Please don't allow anyone other than you to touch the joystick controller. This will prevent potential personal injuries if the wheelchair is moved unintentionally.




A2

## 7.3.Weather defence measures



It is prohibited to use and store electric wheelchair in the rain, snow, icy or wet environment. These weather conditions can seriously affect the function of the wheelchair. Please keep the wheelchair in a clean, dry place.

If the equipment contacts the rain, snow, or in a high-humidity environment, there may be a fault. Please avoid the wheelchair being exposed to extremely heat or cold environments. Joy-Rider is not a fully waterproof wheelchair. High-humidity environments can lead to dust or corrosion inside the wheelchair. If you are in any one of the above environment, please immediately cover the wheelchair to prevent damage.

In order to avoid equipment failure, please follow the guidelines below:

- Please avoid using or storing of the wheelchair in the following circumstances: direct contact with water; extremely high or low temperature; high humidity environment.
- Please do not use this electric wheelchair in the shower or swimming.

- Please do not use this electric wheelchair in brine or clear water.
- Please do not flush the wheelchair with water.

Note: when the wheelchair is in a wet state, please immediately remove the battery, and make it dry naturally. After the wheelchair is completely dry, reinstall the batteries.
When using a wheelchair on wet or slippery ground, please move it carefully and observe the following safety guidelines:

- If any wheel loses traction, you must immediately stop the wheelchair to prevent loss of control (e.g., slide, overturned, etc.).
- Please do not use the wheelchair on a slope when the surface has ice, snow, water and oil.

## 7.4.Pavement

Joy-Rider is designed ideally for dry ground such as a hard floor or indoor floor.
Please don't use Joy-Rider on sand, uneven or loose ground, high grass or rough pavement, so as to prevent damage to wheels, bearings, motors and other parts.
Do not use the wheelchair on a public road with traffic. If using the wheelchair to cross public roads, the user must observe local traffic rules and take great care for your own safety. It is strongly recommend that you wear reflective clothing when using a wheelchair at night.

## 7.5.Vehicle transport

 Please note: the user takes all responsibility if using Joy-Rider with any other forms of transport (such as: car, bus, train, ship or plane).
If you must use a wheelchair with other forms of transport, the following operations are very important:
turn off the power supply and push the brake levers to the "locked" position. Check that the wheelchair is locked and cannot freewheel. This will help avoid any damage caused by sudden braking. However, you can easily fold this electric wheelchair and place it in the appropriate storage space, such as the trunk. Please make sure that the wheelchair is safely placed to avoid injury.

 Please don’t allow anyone to lift the wheelchair onto any other mode of transport if you are sitting in the chair, otherwise the user will bear the consequences.

## 7.6.Weight distribution

In order to avoid overturning when driving the wheelchair, the balance and stability of electric wheelchair cannot be ignored. The following factors will affect the weight distribution of wheelchair:

- Height and angle of seat.
- The sitting position or weight-bearing position of user.
- Tilting slope
- The user's weight will affect the weight distribution of the wheelchair.

 Please do not make self-modification or adjustment of the structure of Joy-Rider.

## 7.7.Getting on and getting off wheelchair

It is recommended for you to take the armrests as supporting points and NOT the joystick when you move into or out of the wheelchair. Excessive pressure on the joystick can cause it to be damaged. Please note the following points in order to reduce the likelihood of falling:

- Before getting on or off the wheelchair, make sure the power supply is off and the brake levers are in the locked position. Check that the wheels make no movement.
- Position the wheelchair closest to the target position to minimize the risk of falling in the process of leaving the wheelchair.
- Consult your health care provider for the method of getting on and getting off the wheelchair.
- Please do not stand on the footrest while getting on or off the wheelchair.
- Position your feet in front of the footrest to avoid getting them trapped.
- When you sit in the wheelchair, do not lean outside of the wheelchair as it can seriously affect the balance of the wheelchair and may result in the wheelchair turning over.
- Please don't take heavy objects when sitting in the chair as this can cause in imbalance.
- Please do not move your weight excessively toward the upper part of the backrest to prevent overturning of wheelchair or damage to the back.

Violation of the above guidelines may cause serious injury. If any of the above actions are ignored, the consequences will be at the user's own risk.

## 7.8.Obstacles

Particular care should be taken when using the wheelchair on a slope, near to the edge of a road, on a bumpy or rough road. Please be extremely careful to avoid the wheelchair overturning.

Do not exceed the limit in the inclination guideline and instructions in the manual.

Notes when encountering obstacles:

- Please drive slowly when getting close to obstacles, and keep straight.
- Please be extremely careful to speed up slowly when the front wheels reaches the obstacle. After the rear wheel passes over the obstacle, slowly accelerate to move forward.
- Please keep the upper body upright when going uphill, and slightly lean forward.
- Please keep the upper body upright when going downhill, and slightly lean backwards.
- Please don't suddenly start or stop.

## 7.9.Ramps

If the user has difficulty when driving uphill, please seek help from others to protect you from harm.

- It is suggested not to drive the wheelchair on slopes of over 10 degrees, and it is not allowed to drive the wheelchair on a slope greater than 12 degrees.
- Please don't turn when you are on a slope.
- Avoid driving the wheelchair on a wet, smooth slope (such as snow, rain, water, oil).
- Don't drive the wheelchair on an uneven slope.
- Don't drive the wheelchair on a continuous uphill and downhill path.

## 7.10. Reverse driving

Take great care when driving the wheelchair backwards. When the motor touches an obstacle, it may cause the wheelchair to lose control or turn over.

- Don't drive the wheelchair backward on a slope.

## Load limit

- Maximum load on seat: 253 pounds (115 kg).
- Never overload the wheelchair.
- Safety weight of seat back : 165 pounds (74.8 kg)
- Do not press down or lift seat back.

- The user is not allowed to sit on the seat to perform weight training.
- Overloading will lead to damage to the seat frame, fixing parts and folding device.
- Damage caused by overloading is not within the scope of the warranty.

## 7.11.Use on Stairs and Escalators

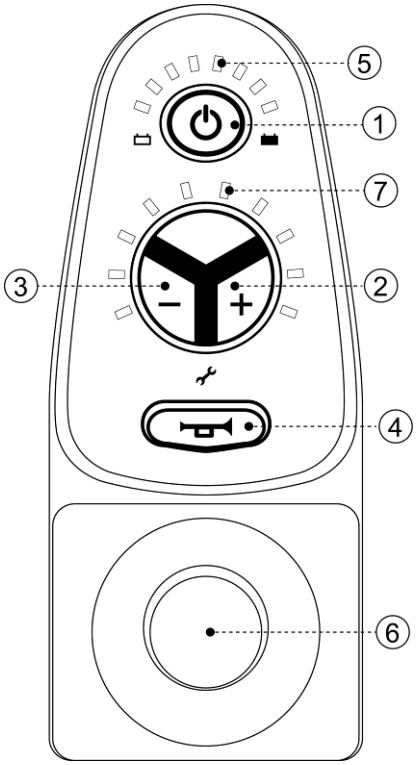
Joy-Rider is not designed for use on stairs and escalators.

It is prohibited to move and use Joy-Rider on stairs and escalators, otherwise it will seriously damage the seat body.

# 8. Operation guidance

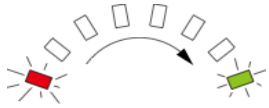
## 8.1.Control panel

The control panel consists of the following components:




| | | |
|---|---|---|
| 1 | Power button | Press this button to start the power supply, press again to turn off the power supply. |
| 2 | Increase max speed button | Increases the speed of the wheelchair. |
| | | Maximum speed: 6km/h |
| 3 | Decrease max speed button | Reduces the speed of the wheelchair. |
| | | Minimum speed: 2km/h |
| 4 | Horn | Press the horn to sound horn. |
| 5 | Battery power display | Indicates the remaining battery power. |
| 6 | Joystick | Control the direction and speed of the wheelchair. |
| 7 | Speed display | When 10 LED lamps are illuminated, the wheelchair is at the maximum speed setting. When 2 LED lamps are illuminated, the wheelchair is at the minimum speed setting. |

## 8.2.The following table shows various states of the battery power display

| Illumination display | Description | Reason | Remarks |
|---|---|---|---|
|  | No LED’s on | Power supply is switched off or in standby state, or the system has entered sleep mode. | |
|  | All LED lights on | The power supply is on and battery is fully charged | As the battery is used, the number of LED's illuminated will reduce towards Red. |
|  | Red LED light on the left side flashes | Battery capacity is not sufficient. | Please charge the battery as soon as possible. |
|  | LED’s illuminate once from left to right in order | The Brake Levers are in the Freewheel position | Move the brake levers to the locked position to operate the chair under power |
|  | Only one light repeatedly cycles from right to left. | The wheelchair has been immobilised※ and is waiting for unlocking. | Press the + acceleration button for 3 times within 10 seconds to unlock. |
|  | The LED's are repeatedly blinking from left to right in order. | The battery charger is connected to the wheelchair and is charging. | The joystick cannot be operated when the battery is being charged. |

※Immobilisation Feature

After switching on the power supply, press and hold the power button for 4~5 seconds to enable the immobilisation feature. This makes the joystick inoperable.

To turn off this feature, press the + acceleration button for 3 times within 10 seconds to unlock.

### 8.3.Joystick operation

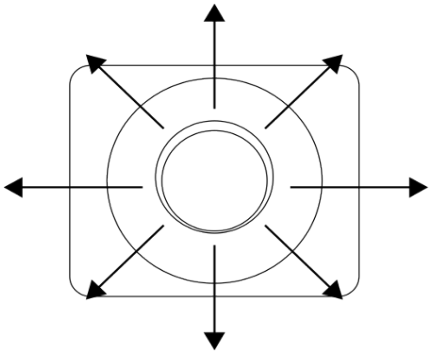
When operating the wheelchair for the first time, start it slowly and gradually push the joystick forward. This will help you become familiar with controlling the speed and direction of the wheelchair.

Do not turn the wheelchair suddenly at high speed, otherwise the wheelchair may lose balance and overturn, potentially causing personal injury.

The joystick operates in a full 360-degree. It is is equipped with a spring which allows the joystick to automatically return to the original place when released.

The degree movement is proportional to speed. A small movement of the joystick will make the wheelchair move slowly. A larger movement will increase the wheelchair's speed to a maximum of 6km/h. Gradually reducing the joystick's movement will smoothly bring the wheelchair to rest. Sudden movements of the joystick may cause loss of balance and overturning, resulting in personal injury.

## 9. Operating guidance

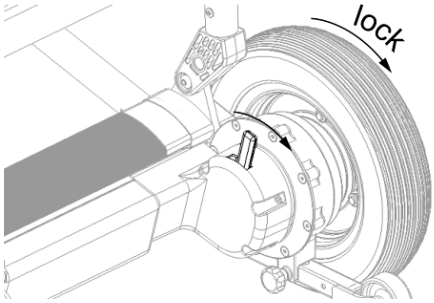
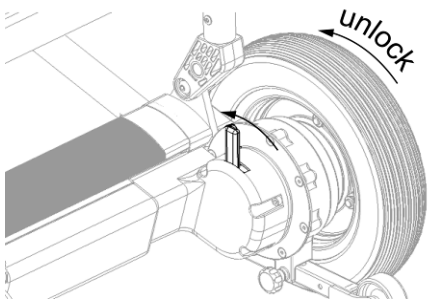


| Move | Control the operating lever |
|---|---|
| Move forward | Push the control lever forward |
| Move backward | Pull the control lever backward |
| Move rightward | Push the control lever to the right |
| Move leftward | Push the control lever to the left |
| Stop | Release the control lever gradually (decelerate the wheelchair and stop it safely) |

## 10.Brake

After any adjustment, repair and maintenance of the wheelchair, check all the assembly and fastening parts before using, or it may cause damage and harm.

## 10.1.Electromagnetic brake lever

| Lock | Unlock |
| --- | --- |
|   |   |

## 10.2.Electromagnetic brake system

The brake lever is used to "lock" and "unlocked" the wheelchair which has two operating modes:

- The "locked" state. The clutch in the electromagnetic brake is closed resulting in the drive wheels being locked. With the levers in this position, the wheelchair is operated under power and controlled with the joystick.
- The "unlocked" state. The clutch in the electromagnetic brake is not closed resulting in the drive wheels being unlocked. With the levers in this position, the wheelchair is able to freewheel allowing it to be moved manually and not by the joystick.

⚠ Attention

Before using the wheelchair, the brake lever must be in the "locked" state, and the electromagnetic brake is used to prevent the rear wheels from rotating. This will prevent accidents and personal injury.

Without a Carer being present and in full manual control of the wheelchair, don’t use or sit on the wheelchair when the brake lever is in the "unlocked" state. It will freewheel and the brakes will not be applied. This is particular dangerous on a slope and can result in personal injury and damage to the wheelchair.

# 11.Battery

| | |
|---|---|
|  | Keep tools and other metal items away from the battery terminals or it may cause a short circuit or electric shock. |
|  | Keep away from flammable materials. Avoid exposure to open fire and spark source. Do not put the battery and flammable or combustible goods to be transported together. |
|  | The corrosive substances are in the battery. Do not dismantle the battery. |
|  | Pay attention to explosion. When the battery is being charged, place the wheelchair and battery charger in a well-ventilated place, away from the fire and spark. |

 Warning

- Please do not use pliers or metal cables to connect the terminal of battery for charging.
- When the battery is being charged, do not use the wheelchair or push the wheelchair to avoid damage.
- Please do not use a non-standard power supply (such as a car power source and inverter)
- Please do not squeeze, bend, stretch or knot the power line.
- Please do not smoke or set fire around the battery.
- Keep the power cord away from children and pets.
- If any fault occurs in the circuit breaker, unplug the charger and contact the supplier in time.
- The battery's operating temperature should be -5℃(23℉) to 40℃（104℉）.

## 11.1.Battery maintenance

The service life and performance of the battery is affected by the temperature, battery

status, and the user's weight.

Before using, check whether the battery is fully charged. Normal charging time is about 4 hours. If the battery runs out, it may take 5~6 hours to make full charge, until the LED on the charger changes from orange to green.

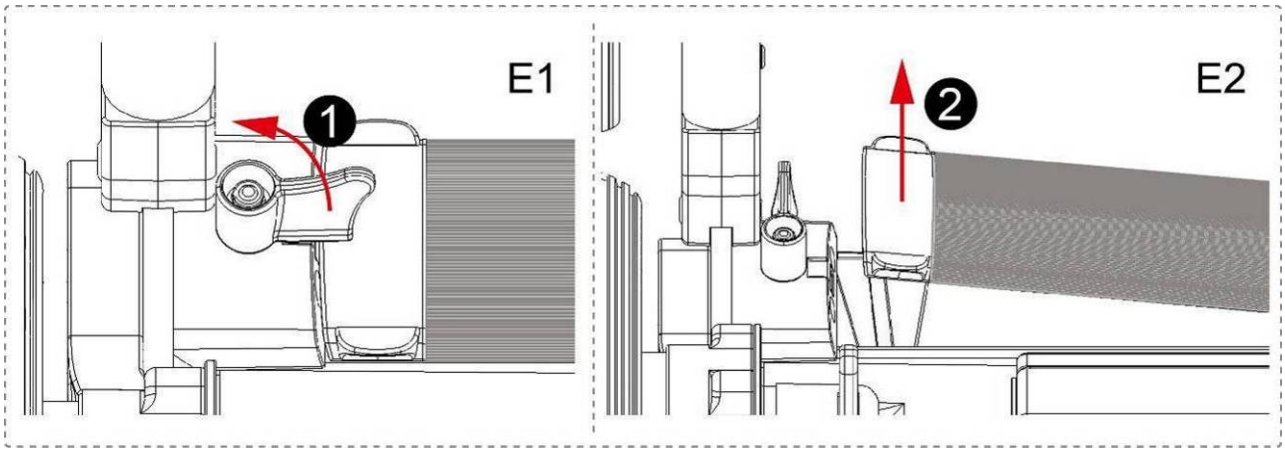
When not using the Joy-Rider for a long period of time, it should be charged once every two months. If the battery has not been charged for a long time, long-term damage will occur to the battery.

## 11.2.Install/remove the battery

Before installing or removing the battery, the power supply must be switched off.

Remove the battery:

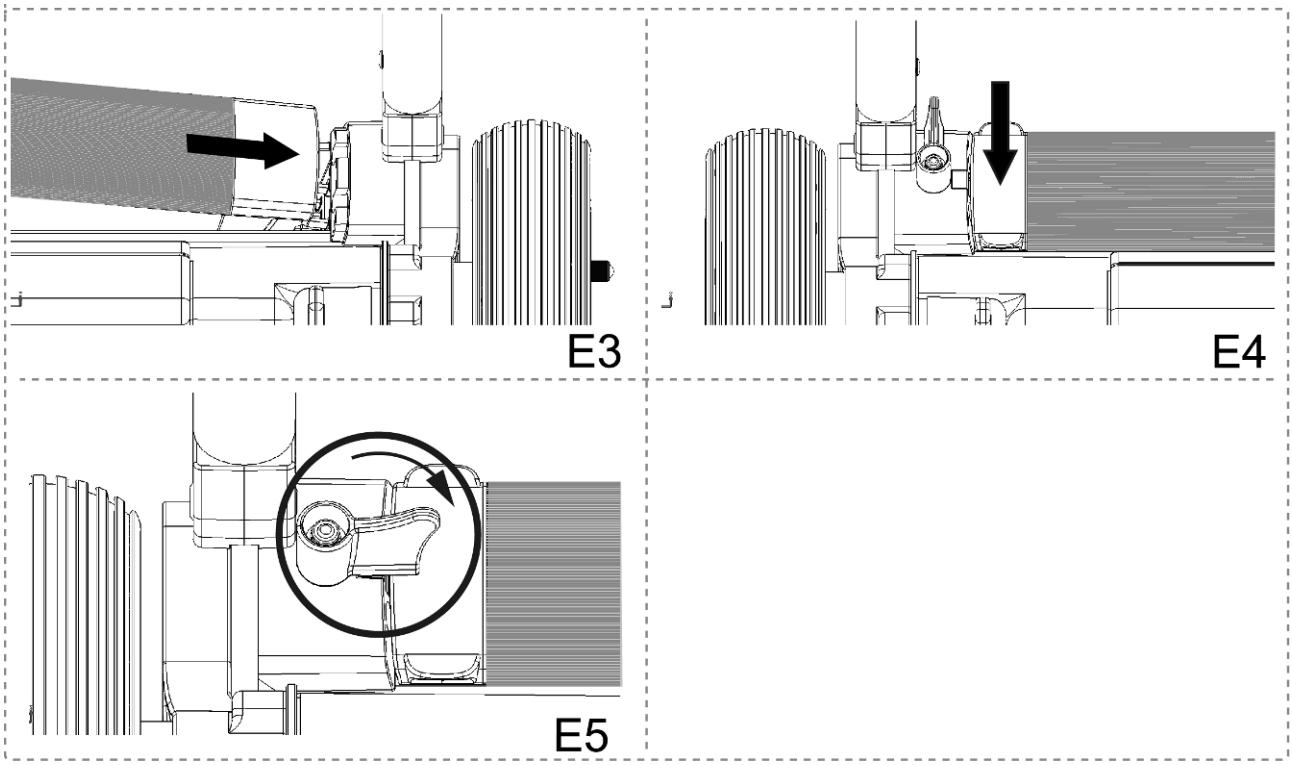
Rotate the battery's fixing button (Figure EI) and hold the battery handle, and then remove the battery from the battery base (Figure E2)




## 11.3.Install the battery

Hold the battery handle and align it to the discharge socket (Figure E3). After aligning, the front end is downward, and it is pressed to the position (Figure E4), the battery's fixing

knob can be rotated to the middle position (Figure E5).




## 11.4.Charge

The battery is charged by general AC power (AC 110-220V 50-60HZ). The charging port is located under the front of the joystick. (Figure E6).

Insert the mains cable of the supplied battery charger into the mains power socket. When LED shows red, it is in standby mode. Connect the round 3-pin socket to the charging port

under the joystick (Figure E6). When the LED on the charger shows orange after flashing, the battery is being charged.

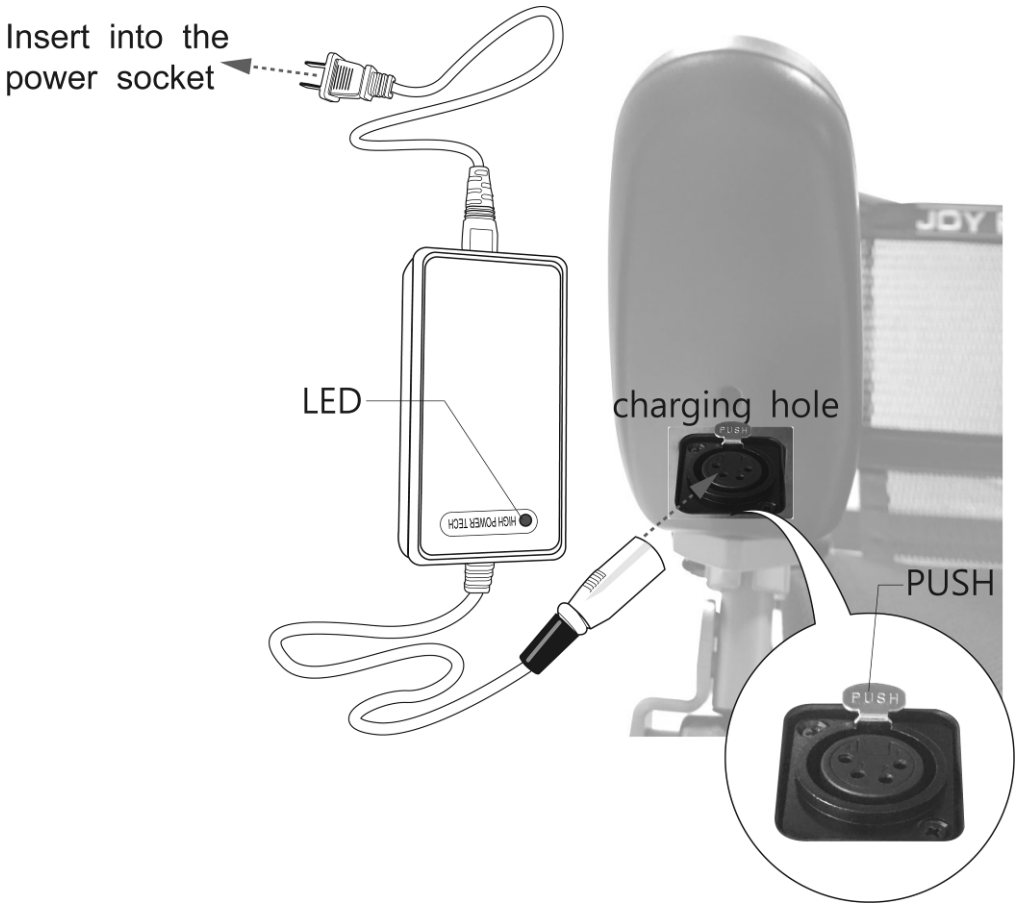
When the charger LED becomes green from orange, the battery is now fully charged.

After charging, it is recommended to unplug the charger plug from the power socket and then unplug the charger connector on the joystick.

When unplugging the battery charger from the joystick, firstly press PUSH (Figure E6).

Failure to correctly release the charging cable by pressing PUSH may result in damage to the cable.

Please charge batteries at the appropriate temperature. The recommended ambient temperature for charging is -5℃ to 40℃.



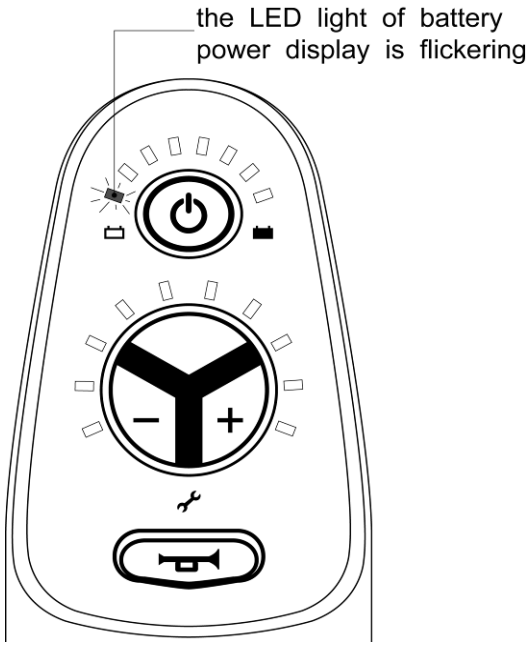

E6

## 11.5.Over-discharge protector

If the battery capacity is fully discharged, permanent damage of lithium batteries will be caused. Therefore, Joy-Rider battery is installed with over-discharge protector. When the lithium battery is exhausted, the protector will automatically cut off the circuit and the joystick controller will stop working.

When the red LED light of the battery power display is flickering, it means that the battery needs to be charged.

When the battery is out of power, please charge within one week.




## 11.6.Over-current protector

Joy-Rider is also installed with the over-current protector. If the current supplied to the motor is too high, the over-current protector will cut off the current supply. If hill climbing is attempted at more than 12 degrees, or the load is more than 255lbs, or the motor encounters cycle blockage, the over-current protector will be started, the main controller will cut off the circuit to prevent motor current overloading and overheating.

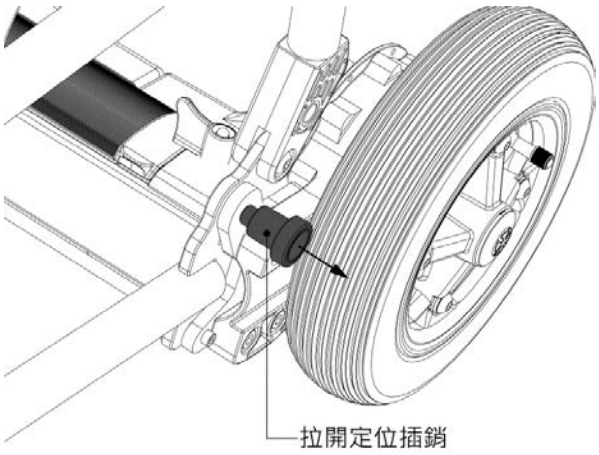
Attention

Do not open the battery and expose the acid substances to the skin, clothing or other materials. The substance is extremely dangerous to can cause burns. If touching, immediately rinse with cold water and seek medical treatment.

# 12.Frame quick release and unfolding and folding

After repair or maintenance, all parts should be fixed safely.

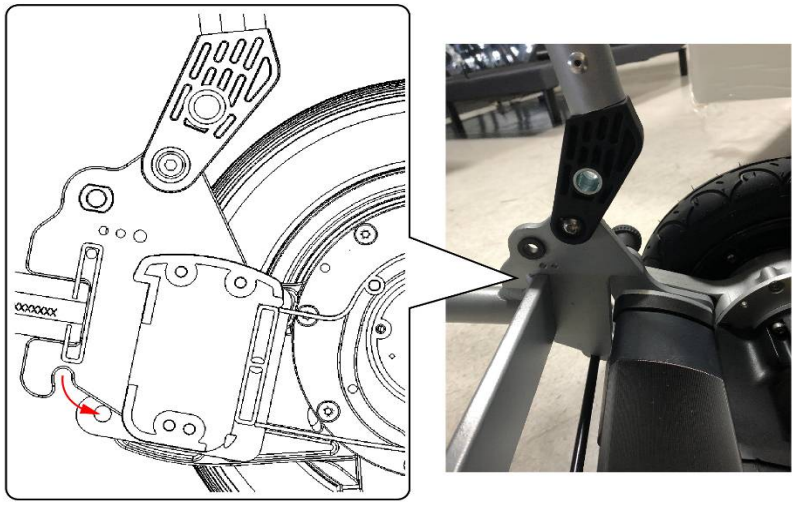
## 12.1.Frame quick release—split

| 1. IMPORTANT - firstly, disconnect the cable from the joystick. | 2. Pull up positioning pin (plunger in rest position) |
|---|---|
|  |  |

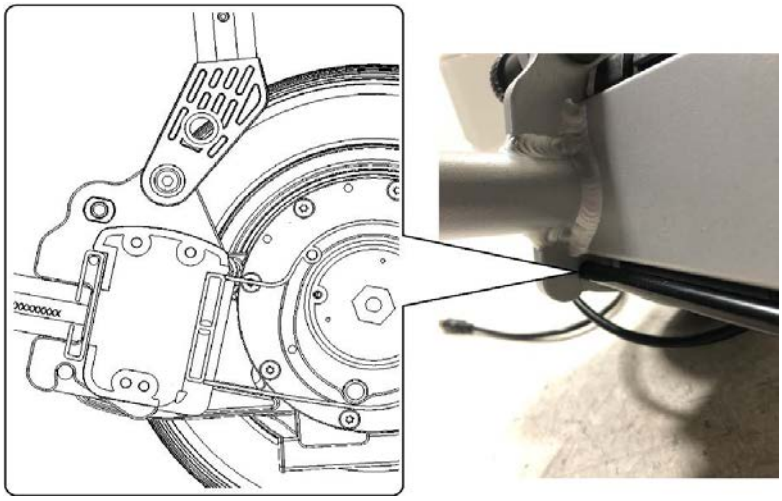
| 3. As shown in picture, split the wheelchair | 4. Split it into 2 areas as below |
|---|---|
|  |  |

## 12.2.Frame quick release—assemble

1. Place the frame of rear wheel into the front frame as shown in the picture



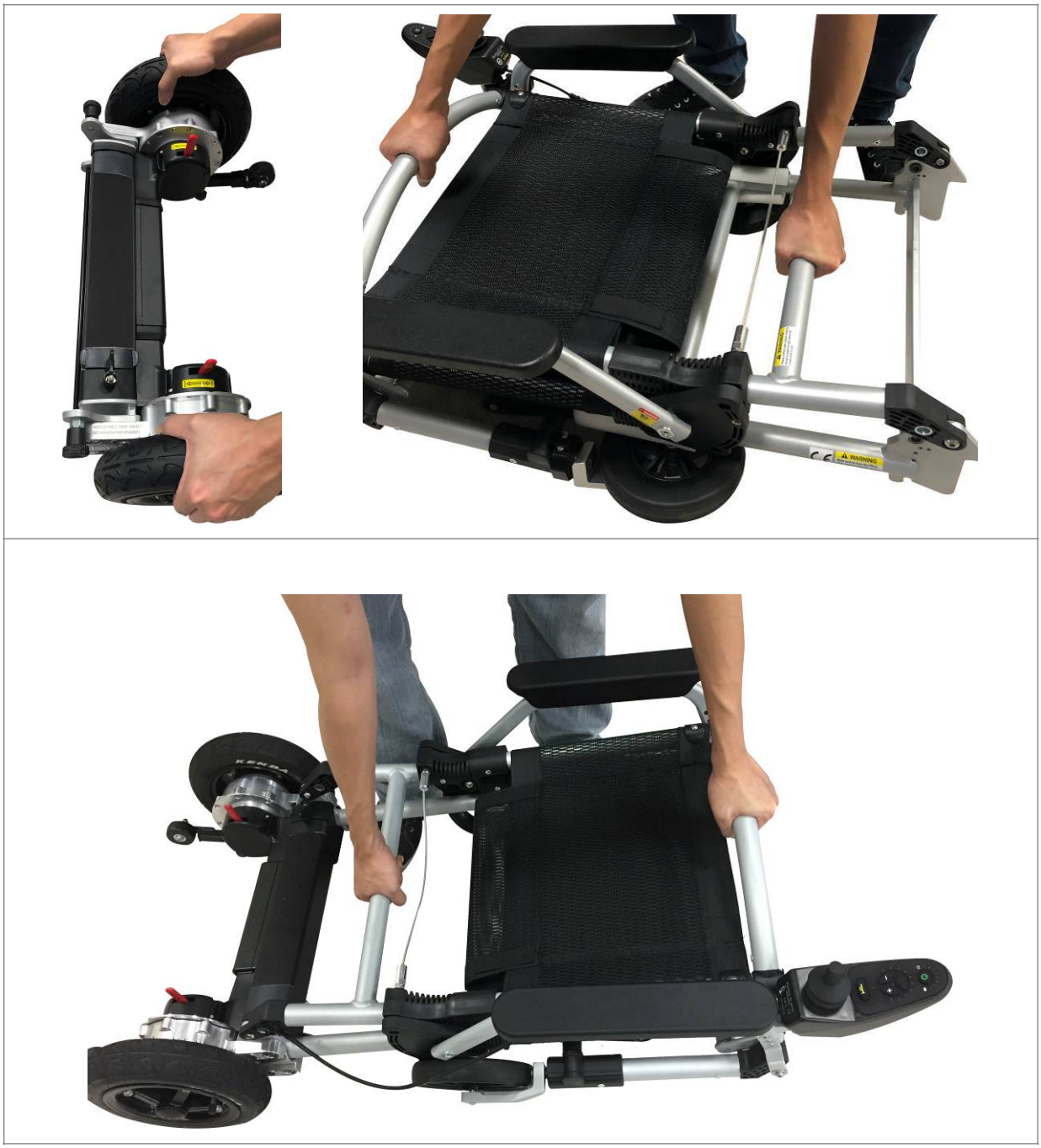
2. Completion as shown in the following picture



3. Reconnect the cable to the joystick




⚠When handling the wheelchair, the position where can be carried is as shown in the picture, both sides of frame can be handled, if handling other parts, the handler may be injured.



## Unfolding

1. Pull the release chord to detach the two locking pins.



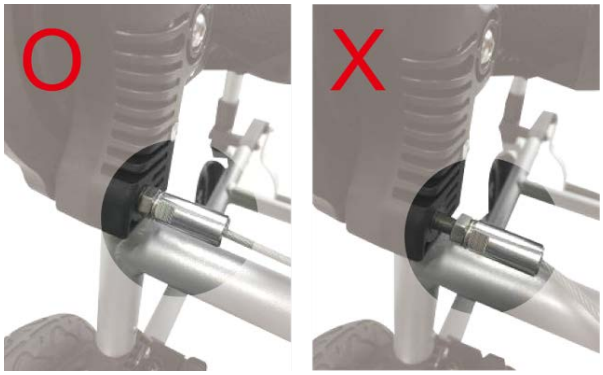
2. Whilst pulling the release chord, pull up the backrest bar to unfold.

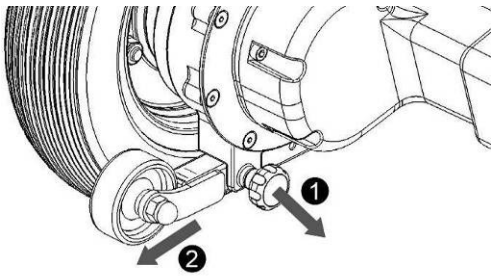




3. When unfolding is complete, the two locking pins will secure into their location holes.

⚠ Ensure the two locking pins are correctly located - see picture below.




4. Anti-Tip Wheels. As shown in the diagram, firstly release the knob, then pull the left and right anti-tip wheels into position. Unfolding is now completed.

## 12.4.Folding

1. Pull the release chord to detach the two locking pins.





2. Whilst pulling the release chord, lower the backrest bar to fold the wheelchair.



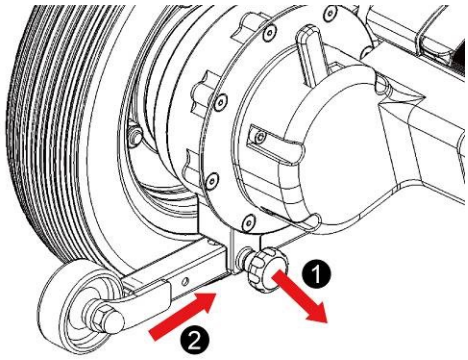


When folding is complete, the two locking pins will secure into their location holes.

⚠ Ensure the two locking pins are correctly located - see picture below.



3. Anti-Tip Wheels. As shown in the diagram, firstly release the knob, then push back the left and right anti-tip wheels into position. Folding is now completed.



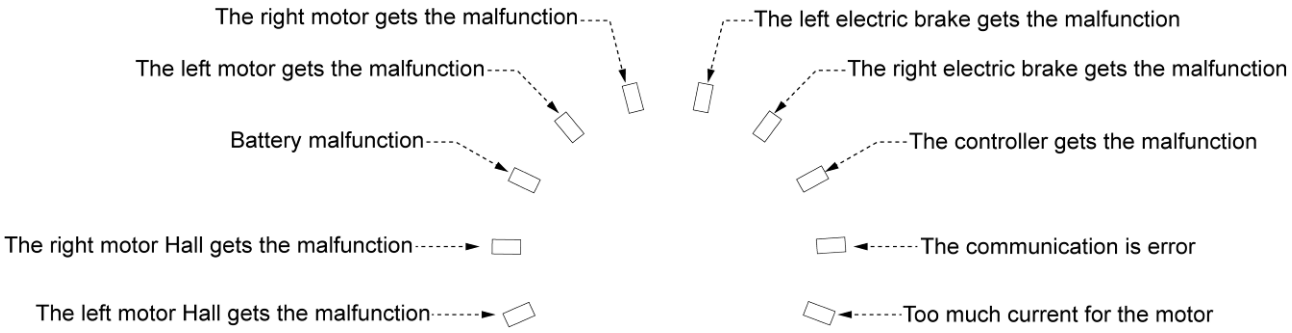
## 13.Troubleshooting

Some faults will be displayed through the fault code in the form of an LED light on the control panel. When a problem occurs, the fault code LED light will flash.

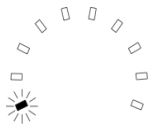
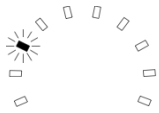
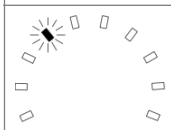
When the "fault code" LED light is flashing, shut down and restart the power supply on the control panel. If the flashing "fault code" LED light is still flashing, please refer to the table below to find possible causes and countermeasures.

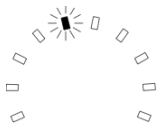
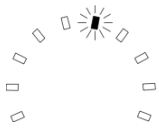
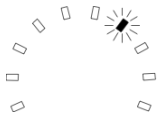
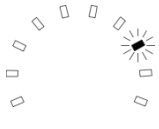
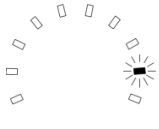
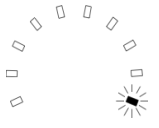
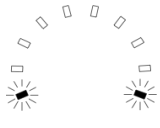
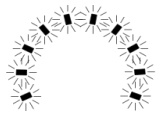
If you are unable to confirm the causes of fault, please contact the supplier or distributor for help.

### Electric wheelchair malfunction diagram




# Panorama

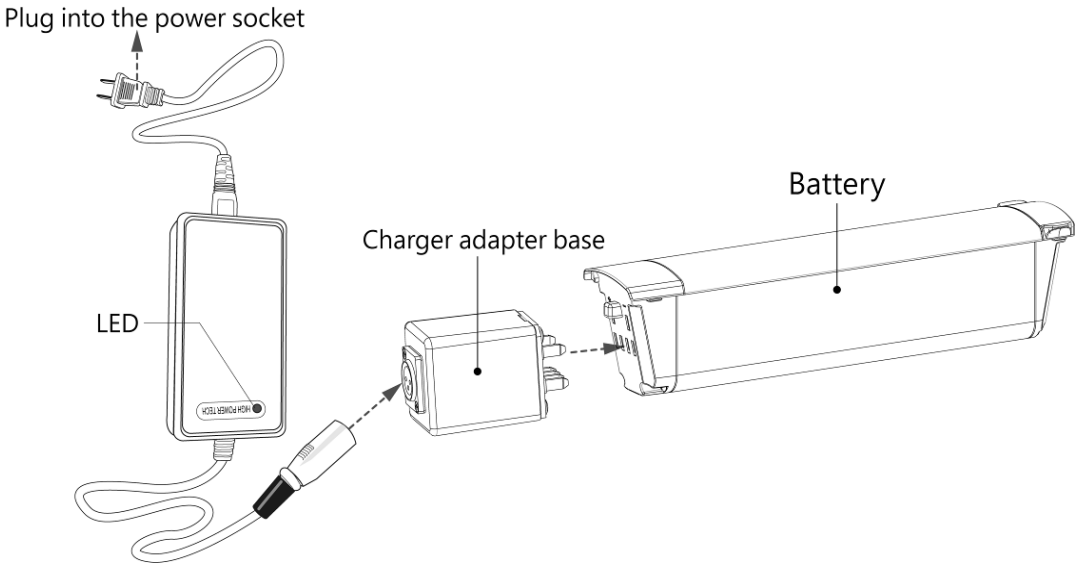
| Malfunction | Reason | Solution |
|---|---|---|
|  1st LED flashes | The left motor Hall has a fault. | Please contact with the distributor to repair. |
|  2nd LED flashes | The right motor Hall has a fault. | Please contact with the distributor to repair. |
|  3rd LED flashes | Battery malfunction. | Check whether the battery voltage is too low. (Charge before checking.) ※After charge, if the malfunction is not resolved, please contact with the dealer. |
|  4th LED flashes | The left motor has a fault. | Check whether the connection terminal of the left motor is loose. |

| | | |
|---|---|---|
|  5th LED flashes | The right motor has a fault. | Check whether the connection terminal of the right motor is loose. |
|  6th LED flashes | The left electric brake has a fault. | Check whether the left electric brake is unlocked or the connection terminal is loose. |
|  7th LED flashes | The right electric brake has a fault. | Check whether the right electric brake is unlocked or the connection terminal is loose. |
|  8th LED flashes | The controller has a fault. | Please contact with the distributor to maintain. |
|  9th LED flashes | Communication error. | Check the connector of the joystick, and whether the connection terminal is loose. |
|  10th LED flashes | Too much current for the motor. | Disconnect/reconnect the joystick to resolve the malfunction. |
|  1st & 10th LED flashes | Too high voltage for the battery. | Check the output voltage of the battery, it cannot exceed 35v. |
|  All LED's flash | The joystick is not in the middle position. | 1 Please do not touch the joystick when turning on the power.<br>2 If the problem persists when the power is turned on, then the joystick has a fault and it need to be replaced. (Please contact with the distributor to repair.) |

## 14.Usage of charger adapter base

1. Firstly, ensure the mains power is turned off.

2. Plug the charger adapter base into the socket with six hole on the end of the battery.
3. Plug the round 3 pin connection from the charger into the socket of the charger adapter.
4. Plug the battery charger into the mains power socket and turn on the power. When the LED shows red, it means it's under standby status. After blinking, the LED will show orange indicating it’s now charging the battery.
5. When the color of the LED on the battery charger changes from orange to green, the battery is now fully charged.
6. Please charge with a temperature range of -5℃~40℃.




## 15.Packing list

| Name | Quantity | Remarks |
|---|---|---|

| | | |
|---|---|---|
| Main frame | 1 | / |
| Lithium battery | 1 | / |
| Joystick controller | 1 | / |
| Charger | 1 | / |
| Instruction Manual | 1 | / |

## 16.Warranty sheet

| **Warranty item** | **Duration (from date of purchasing)** | **Instruction** |
|---|---|---|
| Main frame | 1 year | Incorrect usage where the user damages and changes the seat, then the warranty is not allowed. Repairs will be charged for. |
| Motor | 1 year for motor | Damage due to overload is not within the scope of warranty. |
| Battery | 1 year for lithium battery | Damage due to irregular or incorrect charging and damage caused by the user is not within the scope of warranty. Replacement will be charged for. |
| Joystick controller | 1 year | Damage caused by incorrect using or modification by the user is not within the scope of the warranty. |
| Control panel | | |

Within the warranty period, the after-sales service needs the invoice and warranty card, otherwise all the maintenance costs will be charged. According to our choice, an appointed distributor/reseller will conduct repairs to the Joy-Rider, for the original buyer, following inspection, and subject to any defects of materials or technology being within the scope of the warranty. If outside of the warranty period, the material cost will be charged, and the buyer should bear the transportation cost.

## 16.1.Exceptive clauses of warranty

1. Exceptive clauses of warranty includes the following:

a. Wear from normal usage to the tires, backrest and seat cushion materials, armrests and footrest.

b. Damage of parts due to negligence, accident, misuse, abuse, overload for commercial using, improper operation, maintenance or storage.

c. Cases out of warranty.

d. The seat is improved or repaired without consent of the manufacturer.

2. If the serial number on the seat is not original or has been modified, or inconsistent with the warranty card, or the serial number has been changed on the warranty card, the warranty card is invalid.

The warranty card cannot be transferred, and it is only valid for the original buyer of this seat.

The manufacturer is responsible for the repair or replacement of the damaged parts.
Within the scope permitted by law, this Warranty Statement prevails among other warranty items; such as the written, verbal, ostensive or implied warranty, including any guarantee of any sales or scope of special purpose, any conflict caused by agreement, this warranty will prevail.

## 16.2.Disclaimer

Thank you for purchasing the Joy-Rider. For any personal injury or property damage arising from any improper or unsafe use of this seat, the manufacturer and supplier does not bear any responsibility.
If you have any question on Joy-Rider and its safe operation, you can contact the dealer at any time.