

Use Manual for  
Electric Wheelchair



# Catalog

|                              |    |
|------------------------------|----|
| ■ Assemble . . . . .         | 1  |
| ■ Operation instructions .   | 5  |
| ■ Chargeing . . . . .        | 6  |
| ■ Manual push mode . . . .   | 7  |
| ■ Disassembly . . . . .      | 8  |
| ■ Transportation . . . . .   | 9  |
| ■ Trouble clearing . . . . . | 10 |
| ■ Parameters . . . . .       | 11 |
| ■ Warranty card              |    |

# Assembly unit

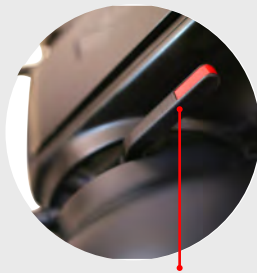
This product is composed of the following five components:



Packing list: 1-4; 5 Chargers; 6 Keys; 7 Seat belts; 8 WrenchesX3.

# Assemble I

- 1 Connect the front base with the rear base



Make sure the hands are loosed.

- 2 Grasp handle A, align the handle B with the hook of the rear base.



- 3 Slowly tilt the rear pedestal forward and connect it to the front base. When the two parts are properly connected , you will hear the clicking sound.



# Assemble II

- 4 Pick up the seat



- 5 Align with the round hole



- 6 Install the seat in place



- 7 Install the seat cushion



# Operation Instructions

※Before and after using the machine, please note that it should be in the powered off condition.

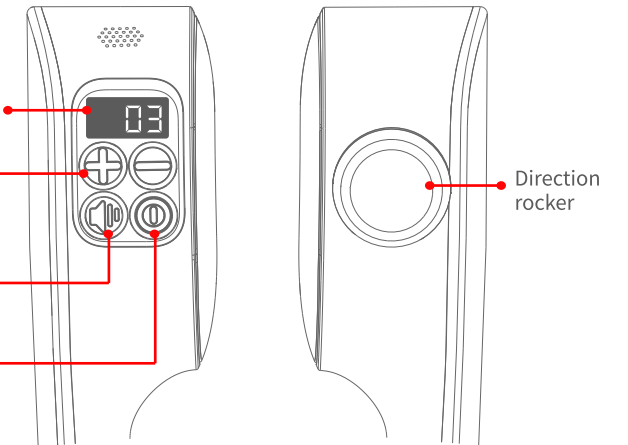
## Display

Battery power is shown here, from 0% to 100%.

Speed increase and decrease button

Speaker remains others

Power switch



|   |             |                                                                            |
|---|-------------|----------------------------------------------------------------------------|
| 1 | Getting on  | Make sure the machine's power is off before getting on wheelchair.         |
| 2 | Starting up | The display screen lights up when the power button is pressed.             |
| 3 | moving      | Move the direction rocker and move as you wish.                            |
| 4 | Stop        | To stop the operation, remove your hand from the direction rocker.         |
| 5 | Shutdown    | Long press the power button for 3 seconds to check if the display is off . |
| 6 | Getting off | Turn off the power before leaving the wheelchair.                          |

8 Lower the seat's fixing rod



9 Fixing completed



## Assembly III

10 Install the battery

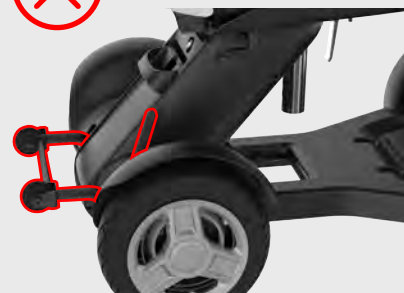
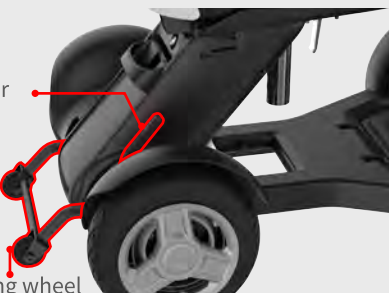
※Make sure the battery is fully charged before first use.



Fixing the handles for the front and rear frame

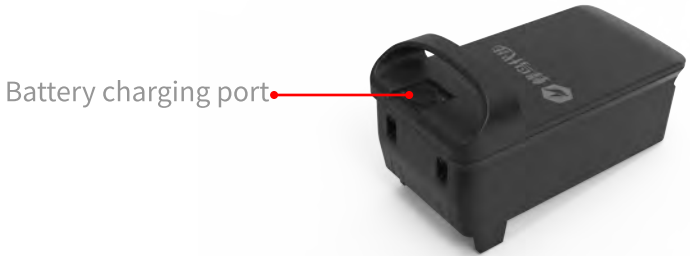
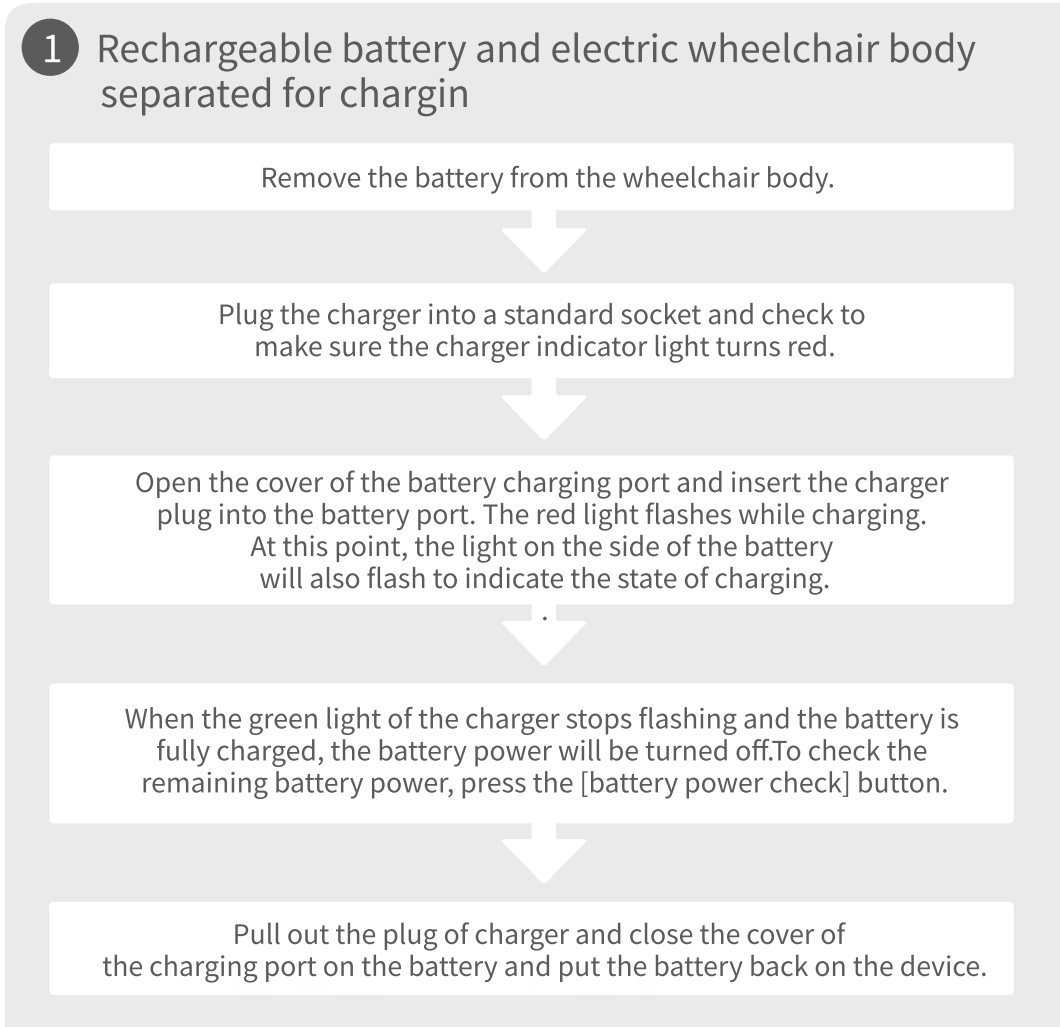
Anti-turning wheel

Normal driving condition

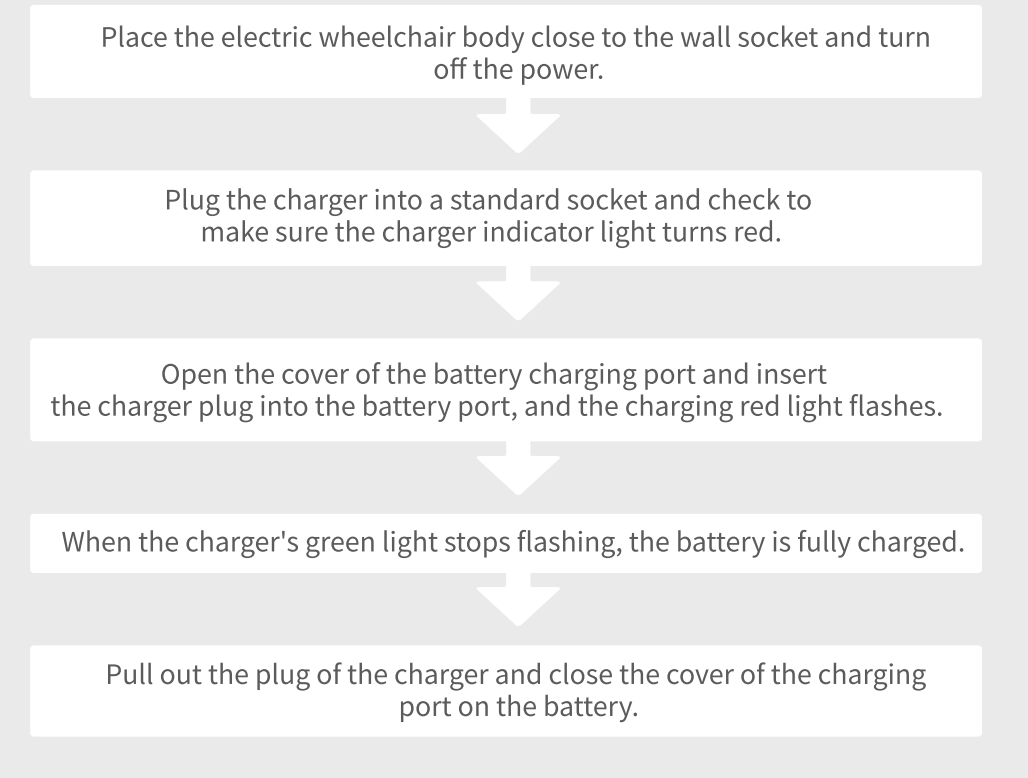


Abnormal driving condition

# Charging



**2 Installed on the wheelchair body for charging**



## Hand push mode

Stop and turn off the power. Locate the lower part of the rearbase, two red levers near the inside of the wheel (this is the brake), and press down the two red levers. After that, you can use the hand push mode.



※Don't release the brakes on the slope. Make sure the vehicle is at one level before releasing them.

# Disassembly

## Remove the battery

Remove the battery by holding the handle.

※Check if the battery is locked.



## Remove the seat

Loosen the seat fixing wrench.



Hold the arm rests on both sides of the seat and lift them up so that the seat leaves the base.



## Disassemble the base

Pull the dead lever at the rear of the base out ward. When disassembling, support the rear base by hand to ensure it does not topple and fall.



Grasp handle A and separate the front and rear bases.



Front base handle position

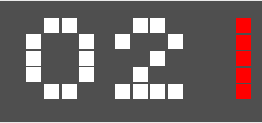
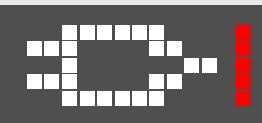
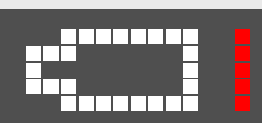


Rear base handle position

# Troubleshooting

## error message

If a fault or failure occurs, an error message will be displayed on the control panel screen.  
The following is a list of icons and voice messages, ,along with possible causes and solution.

| Display icon                                                                        | Voice message                                              | Solutions                                                       |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------|
|    | Rocker position abnormal                                   | Loosen the rocker                                               |
|    | Brake warning                                              | Pull up left and right motor brake                              |
|    | Charging                                                   | Disconnect the charger                                          |
|    | Low power, please charge                                   | Connect Charger Charging                                        |
|   | Note: Battery temperature is too low and speed is limited. | Please move the battery to a temperature higher than 0 degrees. |
|  | Battery temperature is normal, speed limit is lifted       | -                                                               |
|  | Note: Tilt angle is more than 10 degrees.                  | Move to a slope or plane that does not exceed 10 degrees.       |

# Parameters

## Battery

|                     |                                               |
|---------------------|-----------------------------------------------|
| Cell Type           | 18650 Lithium Battery                         |
| Cell Specification  | Car class power battery                       |
| Charging time       | 2.5 hours                                     |
| Charging mode       | Single Charging/Direct Charging in wheelchair |
| Capacity            | 10Ah                                          |
| Voltage             | 24V                                           |
| Battery Pack Weight | 3KG                                           |
| endurance*(1)       | 20km                                          |
| Charger size        | 146x70x39mm                                   |
| Battery size        | 115x150x250mm                                 |

## Power system

|                  |                                   |
|------------------|-----------------------------------|
| Motor power      | 250W*2                            |
| Controller       | Delta                             |
| Torque           | 21N.m                             |
| Climbing ability | 12 degrees                        |
| Brake method     | electromagnetic brake             |
| Brake distance   | Dry state 0.6 m , Wet state 0.7 m |

## Wheelchair Body

|                              |               |
|------------------------------|---------------|
| Body size                    | 900X860X560mm |
| Capacity                     | 1 Adult       |
| The maximum load weight *(2) | 165 kg        |
| Front shock absorption       | yes           |
| rearshock absorption         | no            |

## Other

|                    |         |
|--------------------|---------|
| Safe wading height | 30 mm   |
| Block selection    | 5 gears |

(1) Achieve a constant speed on a ramp-free road surface and reach the farthest distance.

(2) Including the weight of the body and passengers.

# Product warranty insurance card

| User Info        |
|------------------|
| Name:            |
| Address:         |
| Contact:         |
| Model            |
|                  |
| Date of purchase |
|                  |
| Remarks          |
|                  |

Warranty description

| Warranty items | Free warranty period | Remarks                                                                                                                                |
|----------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| main frame     | Three years          | Improper use,man-made destruction or unauthorized modification causes failure,no warranty or charge for maintenance.                   |
| motor          | one year             | If the load exceeds the standard, the motor is over loaded or the motor is disassembled with out permission and damaged. Nowarranty    |
| Battery        | one year             | Do not charge in the correct way, and disassemble it without permission, no warranty. The company is not responsible for the accident. |
| Controller     | one year             | Improper use, man-maded estruction or unauthorized modification cause failure,no warranty or charge for repair fee.                    |

1,warrantystatement:  
The supply dealer should first confirm and determine the problem of the electric wheelchair.In the case of normal use,if it is a manufacturing or quality problem,the dealer needs to repair or replace the parts.

2, Exceptions for the warranty:

1) Failure to follow proper use and maintenance.

2) Due to the lack of using conventional spareparts and causing damage.

3) Accidents caused by mechanical damage or misuse.

4)Consumables are not covered by this warranty,such as tires, bearings, bulbs,etc.

6) Problems caused by any natural disaster or accident such as typhoons, floods and earthquakes.

7) This quality warranty does not cover routine normal maintenance services or periodic monitoring adjustments under normal use.

8) This warranty applies only to the original purchaser's electric wheelchair and is not transferable.

Note: Please enjoy the after-sales service of Hummingbird.Please provide the product warranty card for the product you have purchased. In order to trace the factory and sales time after the sale, we will provide you with the correspondingservices. If you are unable to provide the product warranty card for the product you have purchased, you can only enjoy the paid service .

Thank you for your cooperation.