

Instruction Manual

Electric Wheelchair



EWCCF3 Series



 **Infinity**

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Safety Instructions

Emergency Power-Off

Immediately switch off the power supply if any of the following occur:

- 1 Unexpected or sudden movement
- 2 Loss of directional control
- 3 Brake failure

Safety Instructions

For safe operation of your electric wheelchair, do not:

- Carry passengers
- Operate under the influence of alcohol
- Tailgate other vehicles
- Exceed the maximum safe climbing angle
- Use the joystick erratically on inclines or declines
- Exceed the maximum user weight capacity
- Press the power button while moving, as this may damage the electromagnetic brakes or joystick controller
- Disassemble the wheelchair without first engaging the electromagnetic brakes and switching off the joystick controller
- Drive on main roads; always use the footpath
- Change direction or reverse before the wheelchair has come to a complete stop

Always:

- Use a slow speed when travelling downhill (return the joystick to the central position)
- Wear the safety belt
- Keep feet on the footrest while moving
- Ensure the batteries are fully charged before each journey
- Charge the wheelchair in a well-ventilated area

Reminder: When operating an electric wheelchair, the driver must obey all road rules and regulations.



Usage Operation



01 Footrest

02 Battery

03 Joystick Controller

04 Armrest

05 Handlebar

06 Electromagnetic brake

07 Rear Wheel

08 Front Wheel

Installation Guide

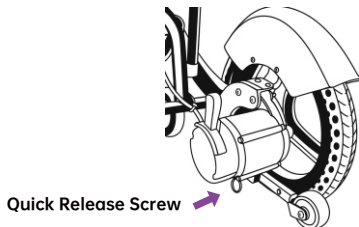
1. Remove the wheelchair and spare parts from its packaging.



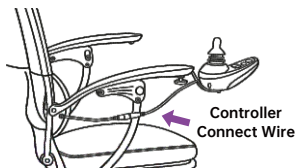
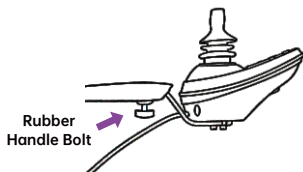
2. Grasp the handlebar and pull the seat cushion frame outwards with your other hand.



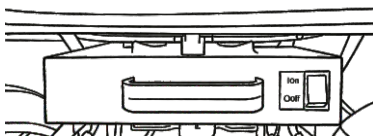
3. Pull out the quick-release screw, pull the anti-tip wheel into the proper position with your other hand, then lock it in place.



4. Insert the controller into the right-side armrest and tighten the rubber handle bolt to secure it, then connect the controller cable wire.



5. Turn on the battery power switch (under the seat).



Note:

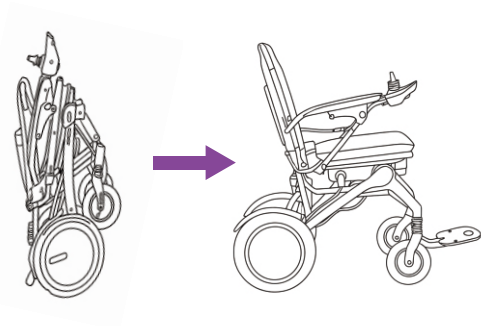
The symbol [I] means battery power ON.

The symbol [O] means battery power OFF.

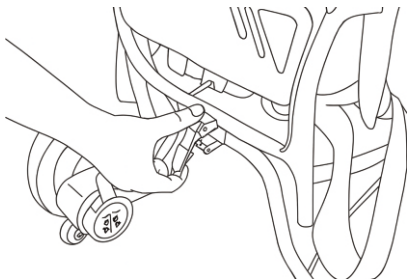
6. Pull up both electromagnetic brake and keep them in electric operation mode.
7. Turn on the controller.

Unfolding Procedure

Step 1: Grasp the handlebar and pull the seat cushion frame outwards with your other hand.

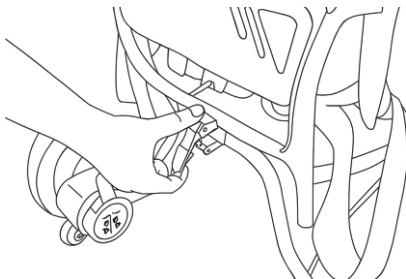


Step 2: Press the folding button to lock the wheelchair.

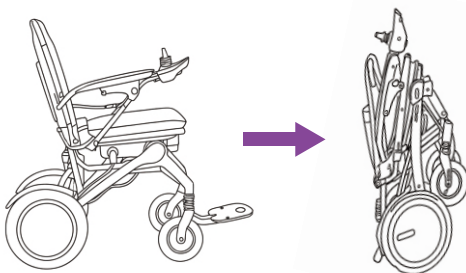


Folding Procedure

Step 1: Pull the folding button to unlock the wheelchair.

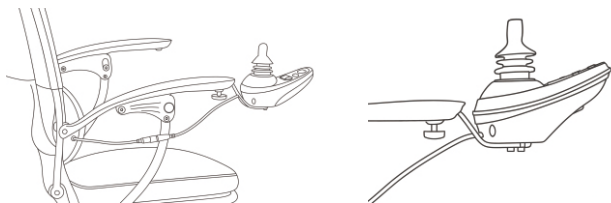


Step 2: Hold the handlebar with one hand and the seat cushion frame with the other hand. Use both hands to fold the wheelchair until it is completely folded.



Adjusting Controller

You can adjust the controller to the right or left side armrest if required. First, loosen the controller connection wire and the rubber handle bolt so the controller bracket can be removed. Then switch it to the other side armrest. Second, insert the controller bracket into the fixing position on the other armrest, then tighten the rubber handle bolt.



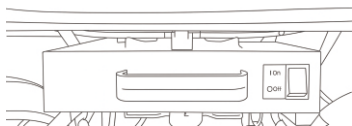
Armrest

Press the armrest fixing button, then lift up the armrest.

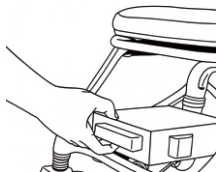


Battery Installation

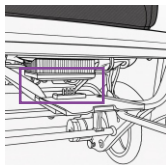
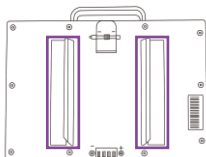
Lift the battery lock upward with one hand, and use the other hand to remove the battery from the battery compartment.



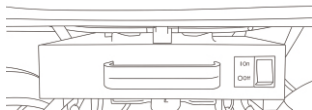
Battery Lock



First: Align the battery back slot with the battery compartment slot.
Battery back slot as marked in the picture.
Battery compartment slot as marked in the picture.



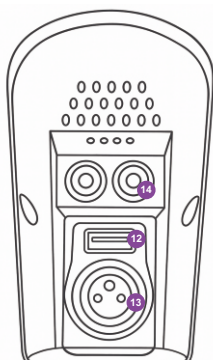
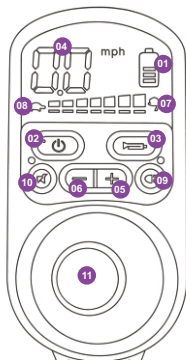
Second: Push the battery into the battery compartment.



Control Panel Operation

Assembling the Controller

1. Install the controller on the controller fixing hole.
2. Adjust the controller direction, then tighten the rubber handle bolt.
3. Connect the controller wire to the motor power wire.



Control button

- | | | | |
|----------------------|---------------------------|-----------------|------------------|
| 01 Battery Indicator | 05 Acceleration | 09 Light Button | 13 Charging Port |
| 02 On/Off Button | 06 Deceleration | 10 Mute Button | 14 2 LED Lights |
| 03 Horn | 07 Acceleration Indicator | 11 Joystick | |
| 04 Speed Indicator | 08 Deceleration Indicator | 12 USB | |

- **Battery Indicator**

The power display shows the current battery level of the wheelchair. The indicator light shows that the wheelchair is switched on. At the same time, the power display also shows the operating status of the wheelchair.

- **On/Off Button**

The On/Off button supplies power to the electronic components of the control system and the wheelchair motor. In an emergency, you can use the On/Off button to stop the wheelchair.

- **Turn on the power**

Press the power button. The display will turn on.

- **Turn off the power**

Press the power button. The display will turn off.

- **Horn**

Press the horn button to sound an alert.

- **Acceleration Button**

This button increases the speed.

- **Deceleration Button**

This button reduces the speed.

- **Light Button**

This button controls the LED light on/off function located on the controller.

- **Mute Button**

This button turns the button prompt sound on or off when pressed.

- **Joystick**

The main function of the joystick is to control the speed and direction of the wheelchair. The further the joystick is moved from the central position, the faster the wheelchair will move. When you release the joystick, the wheelchair will automatically brake.

- **USB**

For connecting communication devices.

- **Charging Port**

The port used for charging the wheelchair

- **Self-help guidance**

If a system failure occurs, check the position of the flashing lamp on the speed display and battery indicator. Below is a series of errors that may be indicated by an abnormal sound.

Controller Errors

Error Indication	Malfunction	Solution
C1/Long flashing /Long alarm	Communication failure	Check whether the cables are connected correctly
C2/Long flashing /Long alarm	Joystick is not in a right position	Turn off the power, make the joystick to the center position, and then turn on the power
C3/Long flashing /Long alarm	Control conflict warning	Turn off the power of the front and rear controllers, select the controller you want to operate and turn on the power
C4/Long flashing /Long alarm	The brake handle is not switched to electric mode	Check whether the brake handle is switched to electric mode
C5 1st stage/long flashing long alarm	Overload warning stage 1	It resumes when the wheelchair load is released or the joystick is released to the center position

C5 2nd stage/long flashing long alarm	Overload warning stage 2	It resumes when the wheelchair load is released or the joystick is released to the center position.
C5 3rd stage/long flashing long alarm	Overload warning stage 3	It resumes when the wheelchair load is released or the joystick is released to the center position
C6 long flash/long alarm	Power on failure	Restart the controller
C7 long flash/long alarm	Left and right wheel overvoltage warning	The joystick returns to the center position and waits for the overpressure warning to disappear
C8 long flash/long alarm	Left and right wheel undervoltage warning	Please charge the battery in time
CE long flash/long alarm	System parameter failure	Restart or contact after-sales service

Left Motor Errors

L1/Long flashing/Long alarm	Left wheel overcurrent fault	Restart or contact after-sales service
L2/Long flashing/Long alarm	Left wheel current deviation is too large fault	Restart or contact after-sales service
L3/Long flashing/Long alarm	Left wheel circuit overheat warning	Turn off the power and restart after the drive wheel cools down
L6/Long flashing/Long alarm	Left wheel encoder failure	Restart or contact after-sales service
L7/Long flashing/Long alarm	Left wheel brake failure	Restart or contact after-sales service
L8/Long flashing/Long alarm	Left wheel phase failure	Restart or contact after-sales service

Right Motor Errors

R1/Long flashing/ Long alarm	Right wheel overcurrent fault	Restart or contact after-sales service
R2/Long flashing/ Long alarm	Right wheel current deviation is too large fault	Restart or contact after-sales service
R3/Long flashing/ Long alarm	Right wheel circuit overheat warning	Turn off the power and restart after the drive wheel cools down
R6/Long flashing/ Long alarm	Right wheel encoder fault	Restart or contact after-sales service
R7/Long flashing/ Long alarm	Right wheel brake failure	Restart or contact after-sales service
R8/Long flashing/ Long alarm	Right wheel phase failure	Restart or contact after-sales service

Electric Operation / Manual Push Mode

Please Note:

The wheelchair cannot be pushed by hand when in electric mode, as this prevents the wheels from rolling.

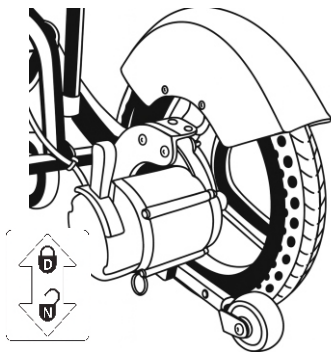
Pull up = Electric operation mode

Pull down = Manual operation mode

Please refer to the following picture:

D: Drive Mode (Drive engaged – Electric operation mode)

N: Freewheel Mode (Drive disengaged – Manual pushing mode)



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