

Instruction Manual

Electric Wheelchair



EWCCF1

 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.
- Travel on soft or unstable terrain.
- Change direction or reverse before the electric 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.



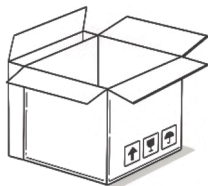
Usage Operation



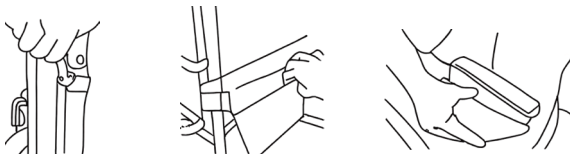
- | | |
|-----------------|-------------------------|
| 01 Controller | 05 Battery Case |
| 02 Armrest | 06 Motor with Mechanism |
| 03 Seat Cushion | 07 Drive Wheel |
| 04 Frame | 08 Footrest |

Installation Guide

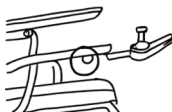
1. Remove the wheelchair from the packing box and place it on the ground. Pull the chair frame open to the left and right, then press the two tubes on both sides of the seat cushion into the grooves on the frame.



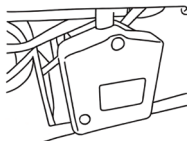
2. Lift the handle upward and lock the folding device. Attach the backrest cloth cover to the frame and secure it with the Velcro tape. Firmly fasten the bottom of the backrest cloth cover to the seat cushion.



3. Place the controller onto the armrest, then pull down the tightening nuts to secure it.

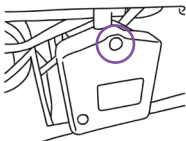


4. Before switching on the wheelchair, ensure the battery is fixed on the right side of the frame.



Battery Removal

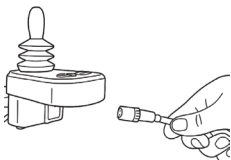
Press and hold the button with one hand while lifting the battery box upward to remove it.



Change the Battery with Charger

Method 1: Connect the charger to the charging port on the controller.

Method 2: Remove the battery from the wheelchair and charge it directly.

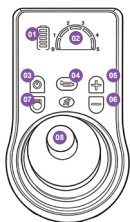


Folding

1. Place the wheelchair on a flat surface and switch off the power supply.
2. Rotate the footrest upward to a 90° position.
3. Fold the frame by pulling up the seat lever on both sides, then lift the two handle straps located beneath the seat cushion.

Control Panel Operation

Control Buttons



- | | |
|---------------------|----------------------|
| 01 Battery Gauge | 05 Speed up Button |
| 02 Speed Indication | 06 Speed down Button |
| 03 On/Off Button | 07 Light |
| 04 Horn Button | 08 Joystick |

The joystick is an essential electronic component. It is typically mounted on the armrest and connected to the power box, motor, and battery.

USE

1. The joystick controls the wheelchair's direction and speed. The farther it is pushed from the center, the faster the wheelchair moves; closer to the center, it moves more slowly. When released, the joystick automatically returns to center and engages the brake.
2. The power switch provides electricity to the control system, which then powers the wheelchair motor. Except in emergencies, do not use the switch to stop the wheelchair, as this may shorten the lifespan of the drive components.
3. The speed indicator shows the current maximum driving speed. Press the speed down or speed up button to adjust the speed of the wheelchair. The number of bars displayed represents the current maximum speed.

■ ■ ■ ■ ■	0-6.0 km/h
■ ■ ■ ■	0-5.5 km/h
■ ■ ■	0-5.0 km/h
■ ■	0-4.5 km/h
■	0-4.0 km/h

Fault Diagnosis and Troubleshooting

This product is equipped with an automatic fault warning system for your convenience. In the event of a malfunction, the controller LEDs will flash and an audible alarm will sound.

Fault Code	Fault Description	Troubleshooting Method
Screen flashes E1	Joystick not centered	Do not operate joystick during startup. Wait 1 second after power on.
Screen flashes E2 Left motor error	Left motor connection fault	Check that the left motor wiring harness is properly connected to the controller.
Screen flashes E3 Left brake error	Left brake connection fault	Check that the left motor brake cable is properly connected to the controller.
Screen flashes E4 Right motor error	Right motor connection fault	Check that the right motor wiring harness is properly connected to the controller.
Screen flashes E5 Right brake error	Right brake connection fault	Check that the right motor brake cable is properly connected to the controller.
Screen flashes E7 Joystick error	Joystick malfunction	Check if the joystick is blocked or stuck.
Screen flashes E9 Brake error	Brake parameter configuration error	Verify that the motor brake clutch is properly engaged and that the wheelchair brake parameters have been correctly configured.
Screen flashes E10	MOSFET short circuit	Controller internal fault. Return the controller to the manufacturer for repair.
Screen flashes E11 Low battery	Insufficient battery power	Check the battery voltage for under-voltage or over-voltage conditions.
Screen flashes E12	Left motor short circuit	Check the left motor wiring harness for damage, short circuits between poles, or overload conditions.
Screen flashes E13	Right motor short circuit	Check the right motor wiring harness for damage, short circuits between poles, or overload conditions.
Screen flashes E14	Rear control / mobile app / remote control fault	Check if the motor is blocked by foreign objects or stuck in a trench.
Screen flashes E30	Manual/Electric Mode Switch Error	Ensure the manual/electric mode switch is set to position 1 for electric operation.

Electric Operation / Manual Push Mode

Manual Mode

Turn off the wheelchair controller to switch to manual mode, allowing the wheelchair to be pushed by hand.

Electric Mode

Turn on the wheelchair controller to switch to electric mode, enabling powered operation (cannot be pushed manually in this mode).

When the wheelchair is in electric operation mode (power mode), only the controller can be used to move the wheelchair. The wheelchair cannot be pushed manually, which helps prevent the wheels from rolling.

Manual operation can be activated by switching the Electromagnetic Brake. This allows the wheelchair to be pushed manually, while disabling the electronic functions.

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