



USER MANUAL

Electric Wheelchair



Please Read This User Manual Carefully And Save It For Future Reference.

Refer to the Help Guide

Scan right QR code to get Help Guide when you would like to know further details, operations and possible solutions when a problem occurs. This is the e-manual of Aotedor electric wheelchair which provides you with instructions on the basic operations of the electric wheelchair.



Customer Service

For getting any supports, please don't hesitate to contact us via below methods.

Phone: 1-918-863-7698 (US)

920-315-0037 (US)

Whatsapp: +8618175895080



You Can

Contact us and send "1" to Extend Driving Distance and know more detailed information about the battery of your Electric Wheelchair.

Contact us and send "2" to get a vivid operating video.

If our staff doesn't reply in time, please contact us by the

official email address: AotedorDirect@outlook.com

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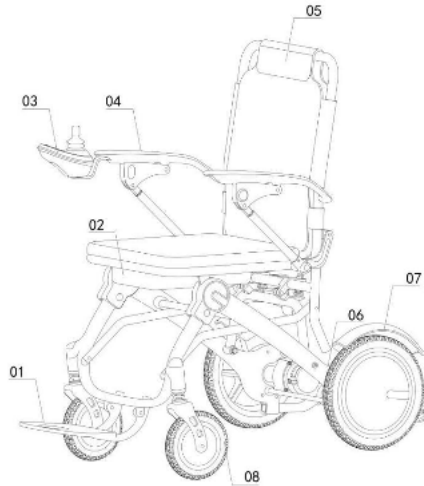
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Brief Introduction

Thanks for choosing our latest electric wheelchair.

This model is equipped with state-of-the-art electronics and technology and designed with unique features to meet your needs for the most comfortable and safest ride. Proper operation should be based on thoroughly understanding the instructions.

- 1、Footplate
- 2、Battery
- 3、Controller
- 4、Armrest
- 5、Handlebar
- 6、Motor
- 7、Rear Wheel
- 8、Front Wheel



Intended Use:

Designed for individuals with mobility difficulties, including disabled and injured Individuals. It is for short-distance travel. The wheelchair is suitable for users with a maximum weight of 220 lbs.

Product Features:

- a) Electric Shock Classification: Type B Applied Parts
- b) Protection against Ingress of Liquid: IPX1
- c) The wheelchair is categorized as a non-AP or APG device.
- d) Operating Mode Classification: Continuous Operation
- e) Equipment Power Supply: Internal Power Supply DC 24V

Transportation and Storage Requirements:

Packaged wheelchairs must be stored in a clean environment with a relative humidity $\leq 80\%$. Ensure there are no corrosive gases and maintain proper ventilation.

Note: This wheelchair is not to be operated on main roads.

Let's Try Out Your New Electric Wheelchair

What's in the Box?

√ **Electric Wheelchair User Manual [This Booklet]**

√ **Electric Wheelchair*1**

√ **Batteries*2**

√ **Toolkit*1**

√ **Battery Charger*1**

√ **Controller*1**



Unpacking and Setting up the Wheelchair

Unpacking and setting up the Wheelchair

1. Remove the Wheelchair from the Box

- a. cut the packing tape on only one end of the shipping box.
- b. lay the box on one side (be sure to save it in case you decide to return the unit).
- c. grab the unopened end of the box and lift slowly to slide the wheelchair out.

2. Stand the wheelchair on its rear wheels (see illustration below) and remove the packing materials and the zip ties holding the wheelchair closed.

Unfold The Wheelchair

- ① Grasp the handlebar with one hand and pull the seat cushion frame outwards with the other.



- ② Press the fold button between the seat and the battery to make sure it is locked. Pull hard to ensure the lock clicks in place.



Attach the Controller

① Insert the front controller to the appropriate length on the right / left armrest according to your preference, then tighten the plum nut.



② Ensure that the Controller plug is properly connected to the battery.



Lift The Armrests

Press the button on the underside of the armrests to loosen them for easy in and out from sideways.



Remove The Battery

Remove the battery from the compartment beneath the electric wheelchair seat.



Adjust The Anti-tip Wheels

- a. Pull the loop outwards.
- b. Align the hole to adjust the desired length of the anti-tip wheels.
- c. Ensure that the loop and pin are securely seated in the new hole.



Manual / Electric Switch

It is crucial to switch the wheelchair from manual to electric mode (locked) while utilizing the electric function and while charging via the controller. Failure to do so may result in persistent alerts throughout the entire process. For detailed instructions on how to switch modes, please refer to below images.



Charge The Batteries

① Prior to charging the batteries, ensure that your charger is securely connected as shown in the figure on the right.



② Remove the battery from the compartment beneath the electric wheelchair seat, then charge the Battery as depicted in the figure on the right.



③ When charging via the controller, please do make sure you have already switched the wheelchair from manual to electric mode.



Fold The Wheelchair

- ① Press the fold button to make the wheelchair unlocked.

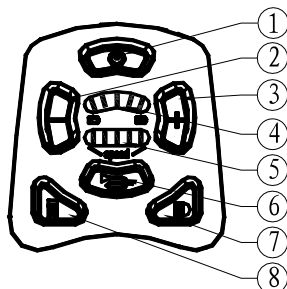


- ② Hold the handlebar with one hand and the seat cushion frame with the other. Use both hands to force the wheelchair until it is completely folded.



Controller Joystick Operation

- ① On/off button
- ② Button to decrease speed range
- ③ Button to increase speed range
- ④ Battery indicator
- ⑤ Speed range indicator
- ⑥ Horn button
- ⑦ LED Light button
- ⑧ Alternate button



① The on / off button starts / stops the wheelchair motors. It provides power to the control systems. You can press it again to stop the wheelchair. When the power is turned on, the status lights will illuminate to indicate their current settings. The power button should always be off before you get on or off the seat.

② & ③ The speed change buttons are used to increase or decrease the speed range. The buttons are active only when the wheelchair is at a standstill. Thus, be sure to check the current speed range BEFORE using the joystick.

④ The power display shows the current charge level of the active battery. There are five lights: red – amber – amber – green – green. Each light indicates a remaining charge level of approximately 20%. Thus, if all five lights are illuminated, the battery has a remaining charge level of approximately 80-100% and is considered fully charged.

⑤ The number of lights illuminated indicates the current speed range of the wheelchair. If just one light is on, the chair is set for the lowest speed range; if all five lights are on, the chair is set for the highest speed range. Actual speed within each range is determined by the joystick. The range selected should be appropriate for the current environment in which the chair is operating (for example, use the lowest range when going downhill).

⑥ The Horn button is used to attract the attention of people in front of you.

Product Specifications

| | |
|---|--|
| Unfolded Size | 37.5*23.6*37.7 in |
| Folded Size | 13.3*23.6*30 in |
| Package Size | 25.3*14.17*31.5 in |
| Product Weight (Single wheelchair) | 35lb |
| Front wheel | 6.5*1.14 in |
| Rear wheel | 10.9*1.37 in |
| Weight capacity | 220 lb |
| Battery | 24V/2*12AH |
| Brake | Intelligent Electromagnetic Brake |
| Charger | AC100-120V 50-60HZ 2A |
| Forward speed | 0-4.5km/h(adjustable) |
| Climbing ability | ≤3° |
| Turning radius | ≤33 in |
| Range per charge | 25 Miles |

Practice Before Use

Failure to follow the below instructions may result in serious injury or damage to the electric power wheelchair.

Before venturing onto the roads, find an open area such as a park, and invite a friend to accompany you till you master the operations. The power button should always be off before you get on or off the seat. Set the speed control button appropriately for the vicinity in which you are travelling. We advise you to keep a slow speed until you are familiar with handling this wheelchair.



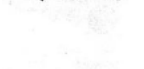
Forward, reverse, and stop operations.



Simply push the joystick gently in the direction you wish to move. The further you push the joystick, the faster the chair will move in that direction. Maximum speed in any direction depends on the speed range selected. Turns should be made at a slower speed.

When moving in reverse, a beeping signal will sound to alert people in the vicinity. Note that, whenever possible, it is preferable to make a 180 degree turn (rather than going in reverse) so that you can better see where you are going and what might be in your way.

To STOP movement in any direction, simply let go of the joystick; it will automatically return to its neutral center position and the motors will disengage. Note that, depending on how fast you were moving, you momentum may prevent an immediate stop. This is especially true when going downhill.



Electromagnetic Interference Advisory

1, In our modern era of rapid electronic advancement, especially within the realm of communication technology, our surroundings have become increasingly saturated with invisible electromagnetic waves. These waves emanate from devices such as televisions, radios, and communication signals, continually intensifying in potency. It is crucial to understand that all electronic devices essentially function as antennas, intercepting and reacting to these electromagnetic signals and their fluctuations.

2, Both electric wheelchairs and electric scooters are susceptible to electromagnetic interference. This interference typically arises from electromagnetic energy emanating from sources like radios, televisions, and mobile phones. Such interference can result in adverse effects on the operation of electric wheelchairs, potentially leading to irregular movements and compromised control. Moreover, it may inflict damage upon the control systems of these devices.

To enhance safety and minimize the risk of losing control of the electric wheelchair or causing serious injury due to unintended movement, please adhere to the following precautionary measures:

1, While operating the electric wheelchair, avoid using personal portable communication devices such as radios and telephones to ensure your full attention is on safe navigation.

2, Be aware that any modifications or additions made to the electric wheelchair may increase its susceptibility to electromagnetic interference from battery waves. Please note that detecting such interference on electric wheelchairs can be a complex task.

3, In the event of sudden, unexpected movement of the electric wheelchair or brake failure, it is imperative to promptly report the issue to us. Your timely communication helps us address potential safety concerns and ensure your continued well-being.

Important Notifications:

1, Users and purchasers of electric wheelchairs must operate these devices within electromagnetic environments. Failing to do so may result in mal-functionality of the electric wheelchair.

2, Please be aware that the use of portable and mobile radio frequency communication equipment may interfere with the normal operation of electric wheelchairs. To ensure safe and effective usage, kindly adhere to the recommended electromagnetic environment guidelines.

3, Accessory and Cable Usage: Only use accessories and cables provided by the manufacturer of the electric wheelchair. The use of accessories and cables other than those specified may lead to increased electromagnetic emissions from the electric wheelchair or reduced immunity.

4, Proximity to Other Equipment: Avoid using electric wheelchairs in close proximity to other equipment whenever possible. If it is necessary to use them in such a configuration, closely monitor and ensure they operate normally.

5, Warning Regarding Unspecified Accessories and Cables (Transducers): The use of accessories and cables (transducers) not specifically designated as spare parts for internal components may lead to an elevation in electromagnetic radiation emitted by the electric wheelchair or a reduction in its immunity.

6, Identification of Electric Wheelchairs and Battery Chargers: Each electric wheelchair and its corresponding battery charger are uniquely identified through model numbers or other distinguishing information.

7, CAUTION

Should any of the following situations occur, immediately turn off the wheelchair's power supply.

① Movement other than that expected from the current operation. (For example, moving backwards when the joystick is pushed forward.)

② Brake failure

Let the chair rest for a minute or two, then turn the power back on, set the speed range at the lowest level, and gently move the joystick. If the wheelchair does not perform as expected, turn off the power supply and contact customer service. (Note that the wheelchair can still be used in "manual mode," as described further on in this manual.)

Notice

Do not carry passengers.

Do not drive across a slope.

Do not drunk driving.

Do not tailgate cars.

Do not use hand-held communication devices such as radios or mobile phones from the safety perspective.

Do not exceed the maximum safe climbing slope angle.

Do not use the joystick in an abnormal manner when going up or downhill.

Do not exceed the maximum user weight.

Do not press the power button of the controller whilst moving, as this may damage the electromagnetic brakes or the joystick controller.

Do not drive on a very soft terrain.

Do not attempt to climb stairs over two inches tall unless a ramp is installed.

Do not disassemble the power wheelchair unless electromagnetic wave radiation meets the requirements. And make sure the joystick controller is turned off.

Do not operate the power wheelchair before safely sitting on it.

Do not drive the power wheelchair on the main roads - the sidewalk must be used.

Do not change driving direction or reverse before the power wheelchair has completely stopped.

Always move at a slow speed when going down gradients.

Always use the safety belt.

Always keep your feet on the footrest while driving.

Always make sure the batteries are fully charged before setting out on a journey.

Always charge the power wheelchair in a well-ventilated area.

Always replace the loose screw from the center of the wheel with a wrench.

Always lean your body weight forward and position your center of gravity towards the front to prevent tipping backward when ascending a slope.

Always lean your body slightly backward and place your center of gravity towards the front to maintain balance and avoid rolling forward when descending a slope.

Reminder! The driver must follow all the local road rules and regulations when using the wheelchair.

NO!



Make sure there are no obstacles behind when reversing;
We recommend to drive at the

NO!



Avoid sudden braking, irregular shaking or sudden turning.

NO!



Always keep your arms on or inside the armrest and keep your feet on the footrest.

NO!



Do not climb curbs that are higher than 2 inches.

NO!



Do not cross a gap wider than 4 inches.

Gap greater 4"(10cm)

Precautions when driving on slopes:

Driving on a slope is much more dangerous than driving on a flat surface. Please pay attention to the following operations as falling or losing control will result in serious harm to you and others.



Do not climb slopes exceeding 12°.



Do not reverse when climbing a slope.



Do not drive on a side 3° above the ground.



Long-term use on soft, uneven roads such as grass and gravel is not advisable.



Slow down when going downhill. It's harder to stop the wheelchair completely when braking downhill.



Do not exit the wheelchair if facing up or down a slope. Stop the wheelchair completely before getting on and off the wheelchair.

Self-help Guidance

Operations of the controller

- ① Do not shake the controller forcefully, especially the joystick.
- ② Do not break the controller and the joystick while driving.
- ③ Do not damage the controller.
- ④ Make sure the control system is safe and reliable when operating the wheelchair
- ⑤ When parking on a slope, please keep the engine running to prevent the car from rolling away.

Operating environment

Do not keep the control system and its components in a humid environment for long periods of time. Always keep the control area clean and dry.

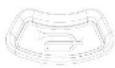
Cleaning

Gently wipe the control system and the joystick with a soft cloth.
Do not use water to clean your wheelchair directly.
Do not use abrasives or similar cleaners.

Joystick operations

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 runs. When you release the joystick, the wheelchair automatically brakes.

Horn



Press the horn to sound an alert.

Deceleration button



This button reduces the speed setting gear and turns the corresponding speed indicator lights off. This button has no effect when driving the wheelchair.

Acceleration button



This button can increase the speed setting gear and the corresponding speed indicator lights on. This button is invalid when the wheelchair is driving.

LED Light button



Press the light button to turn on the light, and press it again to turn it off.

Control system status indication

The control system status is conveyed through the battery display and speed display. Refer to the "Controller Status Instructions" for comprehensive details.

1: Stable Power Display

When the power display remains stable, it signifies that the system is operating correctly.

2: Sequential Flashing of V1-V5

This indicates that the wheelchair is currently in the charging process. To operate the wheelchair, it's essential to unplug the charger first.

3: Control Beeping and Flashing Alarms

When the control system is activated, accompanied by sound and light alarms, it restricts the movement of the wheelchair. This signifies that the electric wheelchair is in manual mode.

4: About Joystick

The primary purpose of the joystick is to govern both the speed and direction of the wheelchair. This versatile controller enables the wheelchair to navigate in various directions. The degree of push applied to the joystick dictates the speed at which the wheelchair moves in a particular direction. The further the joystick is displaced from its central position, the greater the speed at which the wheelchair will travel. Upon releasing the control handle, the wheelchair promptly engages its automatic braking system.



The left picture is an indicator for the wheelchair's speed settings. One illuminated light bar represents the lowest speed, while all five bars lit up indicate the highest speed.

Battery Use

The electric wheelchair uses a 24-voltage battery. It is a good idea to carry the backup 24-voltage maintenance-free sealed Lithium battery for an extended long range. The batteries are designed to handle deep discharges. Car batteries are not safe for use in electric wheelchairs, although they are similar in performance, they cannot be replaced.

Battery charge and discharge

In order to maximize the efficiency of your wheelchair battery, you should:

- ① Fully charge your battery during initial use.
- ② Start slowly when using the wheelchair in your home or on the driveway.
- ③ Charge the battery for 12 hours, and then re-operate the wheelchair.
- ④ After 4-5 cycles of charging and discharging, the battery performance can reach 100%, and can last longer.

Frequently charged batteries provide reliable performance and long battery life. If the battery is not charged often or not fully charged, it may cause shorter battery life or battery damage permanently, which leads to unreliable operations.

If you do not often use your electric wheelchair, you must charge once a month to maintain battery life.

If you want to ship your wheelchair, you must contact the shipping company in advance to ensure that the wheelchair meets the special requirements of the transport. Maintenance-free fully enclosed lead-acid batteries are specially designed for wheelchairs and other mobile vehicles. Overall, the maintenance-free, fully enclosed lead-acid batteries are safe, green and environmentally friendly, usually being applied to aircraft, buses and trains. By the way, we recommend you to contact the public transport department for packaging and shipping according to its special performance. Used batteries should be carefully discarded according to your local council regulations.

Notice:

Our company's wheelchairs and battery chargers fully adhere to the electromagnetic compatibility standards outlined in GB/T 18029.21-2012, titled 'Electromagnetic Compatibility Requirements and Test Methods for Electric Wheelchairs, Electric Scooters, and Battery Chargers,' as well as YY0505-2012, which falls under the category of 'Medical Electrical Equipment Part 1-2: General Safety Requirements' and includes parallel standards for electromagnetic compatibility requirements and tests.

| Error indication | Malfunction | Solution |
|---|--|---|
| All LED lights are off, with no sound | Either the power is off or in standby, or the power cord is disconnected. | Check if the power plug is disconnected. |
| All LED lights are on | The power supply is turned on and the power on self-test passes. The product can be used normally. | The fewer lights on, the less battery power left. |
| The leftmost red LED is on and the voice alarms | There is an extremely low power supply. | Charge the low battery or replace it. |
| Two short sounds | The left motor has failed. | Check whether the left motor connector is plugged in and the connection is good. |
| Three short sounds | The left brake has failed. | Check the left motor solenoid valve for short circuit. |
| Four short sounds | The right motor has failed. | Check whether the right motor connector is plugged in and the connection is good. |
| Five short sounds | The right brake has failed. | Check the right motor solenoid valve for short circuit. |
| Six short sounds | The controller is displaying an over-current status. | May encounter a heavy load, check whether the vehicle exceeds the rated load, then turn it off and restart. |
| Seven short sounds | There is a joystick problem. | When the controller switch is turned on, please release the joystick and put the joystick in the center position. After turning the joystick, restart it again. |
| Eight short sounds. | The controller is faulty. | Replace the controller. |

Maintenance & Warranty

Your electric wheelchair is designed to be maintenance free. However, we recommend the following checks be completed on a regular basis.

Charger:

The charger, a very important part of your wheelchair, provides energy to your wheelchair quickly and safely.

Joystick/Controller :

Ensure that the controller is kept away from the damp air as this may cause easily damage and warranty void.

Battery cable:

Check the battery cables to make sure they are not corroded.

WARNING :

Do not disassemble the motor as this may result in severe damage or malfunction.

Warranty:

Order information on Amazon is the warranty credential. Please carefully keep your Amazon order number. *Note:* the following cases are not covered by our warranty.

- ① Fault damage caused by unauthorized disassembly, repair, modification, or abuse.
- ② Natural wear and tear of the product accessories.



Warranty Period: One Year
Phone: 1-918-863-7698 (US)
Email: AotedorDirect@outlook.com



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