

Aotedor 220

Aotedor Electric Wheelchair User Manual

Model: 220

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and care of your Aotedor Electric Wheelchair, Model 220. Please read this manual thoroughly before using the wheelchair to ensure proper function and user safety. Keep this manual for future reference.

2. IMPORTANT SAFETY INFORMATION

Failure to follow these safety instructions may result in injury or damage to the wheelchair.

- Always ensure the wheelchair is fully unfolded and locked in place before use.
- Do not exceed the maximum weight capacity of 220 lbs (100 kg).
- Exercise caution when navigating uneven terrain, inclines, or obstacles. Avoid slopes steeper than recommended in the specifications.
- The intelligent electromagnetic braking system automatically engages when the joystick is released, providing immediate stopping power.
- Anti-tip rear wheels are installed for enhanced stability and security.
- Automatic tilt prevention activates if the user's hands are removed from the control lever on an incline.
- Always wear the safety belt provided.

For detailed safety certifications, refer to the relevant documentation provided with your product.

Intelligent Electromagnetic Braking System



Image: The electromagnetic braking system automatically stops the wheelchair when the joystick is released.



Image: Comparison of Electromagnetic Brake (used in this model) and Electronic Brake, detailing safety and performance benefits.

3. SETUP AND INITIAL PREPARATION

3.1 Unfolding the Wheelchair

1. Place the folded wheelchair on a flat, stable surface.
2. Gently pull the backrest upwards until the frame locks into place.
3. Ensure all locking mechanisms are securely engaged before sitting in the wheelchair.

3.2 Adjustments

- **Seat Height:** Adjust the seat to a comfortable height for the user.
- **Armrests:** Adjust the armrests for optimal support and comfort.
- **Footrest:** Ensure the footrest is in a comfortable and safe position.

3.3 Controller Setup

- The joystick controller can be mounted on either the left or right armrest, depending on user preference.
- To switch the controller side, consult the detailed instructions in the included quick start guide or contact customer support.



Image: The controller can be switched between the left and right armrests for user convenience.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

1. Press the power button on the joystick controller to turn the wheelchair on.
2. To turn off, press and hold the power button until the indicators shut down.

4.2 Driving the Wheelchair

- Use the joystick to control direction and speed. Pushing the joystick forward moves the wheelchair forward, pulling back moves it backward, and moving it left or right steers the wheelchair.
- The 360-degree joystick allows for smooth maneuvering and precise control, even in confined spaces.
- Adjust speed using the speed acceleration and deceleration buttons on the controller. The wheelchair features 5 adjustable speed settings.
- To brake, simply release the joystick. The electromagnetic brakes will engage automatically.

Top-tier Brand Controller



5-Speed
Adjustable



Intelligent
Control



Small Turning
Radius



Image: The intuitive joystick controller with clearly marked functions for easy operation.

4.3 Electric/Manual Mode Switch

- The wheelchair can be easily switched between electric and manual modes.
- To engage manual mode, disengage the motor locks (typically levers located near the rear wheels). This allows a caregiver to push the wheelchair.
- To return to electric mode, re-engage the motor locks.

Two Methods of Charging the Wheelchair



Image: Easily switch between electric and manual modes for versatile use.

5. BATTERY CHARGING

The Aotedor Electric Wheelchair is equipped with two 10AH lithium batteries, providing a travel range of up to 22 miles. Each battery takes approximately 3 hours to fully charge.

5.1 Charging Methods

- **Direct Charging:** Plug the charger directly into the charging port on the wheelchair.
- **Off-Board Charging:** Remove the batteries from the wheelchair and charge them separately using the provided charger. This allows for charging one battery while using the other, or charging both simultaneously if you have two chargers.

Always use the original Aotedor charger provided with your wheelchair. Do not use damaged chargers or batteries.



Image: Two convenient methods for charging your wheelchair batteries.

Drives Far Up to 22 Miles



3 Hours

Charging Time



22 Miles

Travel Distance



2*10 AH

Dual Lithium Batteries



Image: Dual 10AH lithium batteries provide extended range and efficient charging.

6. FOLDING AND UNFOLDING

The Aotedor Electric Wheelchair features an ultra-lightweight and foldable design, making it convenient for transport and storage.

6.1 Folding the Wheelchair

1. Ensure the wheelchair is powered off.
2. Lift the seat cushion.
3. Locate the folding button/lever (typically on the backrest or frame).
4. Press the button and gently push the backrest forward until the wheelchair folds compactly. This process can be completed in approximately 3 seconds.

6.2 Transport and Storage

When folded, the wheelchair occupies minimal space, making it suitable for storage in car trunks, living spaces, or for transport on public transit and aircraft (airline approval recommended to verify with specific airlines).

Easy to Fold and Carry

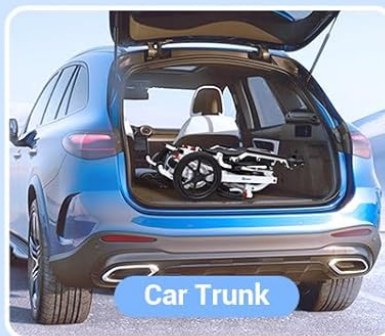


Image: The wheelchair folds easily for convenient storage and transport.

Aviation Aluminum Alloy Wheelchair Weights 39LB

Easily Lifiable for Elderly Up & Downstairs



Image: The lightweight design allows for easy lifting and portability.

7. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your Aotedor Electric Wheelchair.

- **Cleaning:** Wipe down the wheelchair regularly with a damp cloth. Avoid using abrasive cleaners or excessive water.
- **Tires:** Periodically check tire pressure and condition. Ensure tires are free from debris and punctures.

- **Battery Care:** Charge batteries as needed and avoid fully depleting them. Store the wheelchair and batteries in a dry, clean place.
- **Wheel Maintenance:** Regularly inspect wheels for any buildup of hair or debris, especially around the axles, and clear as necessary to prevent operational issues.
- **General Inspection:** Periodically check all bolts, screws, and connections to ensure they are secure. A basic tool kit is often included for minor adjustments.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Aotedor Electric Wheelchair.

Problem	Possible Cause	Solution
Wheelchair does not power on.	Battery is low or not connected.	Ensure batteries are fully charged and properly inserted. Check all cable connections.
Wheelchair moves slowly or inconsistently.	Low battery charge; debris in wheels; motor issue.	Charge batteries. Inspect wheels for obstructions and clear any debris. If issue persists, contact support.
Brakes do not engage properly.	Joystick not fully released; electrical fault.	Ensure joystick is fully released. If the problem continues, cease use and contact customer support immediately.
Wheelchair does not fold correctly.	Obstruction; mechanism not aligned.	Check for any obstructions preventing folding. Ensure all parts are aligned as per folding instructions. Do not force.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact Aotedor customer support.

9. TECHNICAL SPECIFICATIONS

Feature	Detail
Model Number	220
Unfolded Dimensions (L x W x H)	40" x 23" x 35" (101.6 cm x 58.4 cm x 88.9 cm)
Folded Dimensions (H x W)	28.35" x 12.2" (72 cm x 31 cm)
Item Weight	39 lbs (17.7 kg)
Weight Capacity	220 lbs (100 kg)
Travel Range	Up to 22 miles (35 km)
Batteries	Two 10AH Lithium Batteries
Charging Time	Approximately 3 hours per battery
Motors	Dual Brushless Motors
Braking System	Intelligent Electromagnetic Braking
Frame Material	Aviation-Grade Aluminum Alloy

DIMENSIONS



Image: Detailed dimensions and key specifications of the wheelchair.

Dual Brushless Motors

Climbing without stress



Energy Efficient



Quiet and Smooth



Powerful
Performance



Image: Dual brushless motors provide efficient and powerful performance for all-terrain use.

10. WARRANTY AND CUSTOMER SUPPORT

10.1 Warranty Information

Aotedor provides comprehensive quality support for your electric wheelchair:

- **Frame Support:** 5 Years
- **Battery Service:** 2 Years

- **Controller:** 2 Years
- **Electric Motor:** 5 Years
- **Tire:** 1 Year
- **Charger:** 2 Years

A 30-day free return policy is offered, with Aotedor providing a prepaid return label. Please retain your proof of purchase for warranty claims.

Why Choose Us?

Aviation Aluminum Alloy

- ✓ 1. Lighter Weight
- ✓ 2. Higher Strength
- ✓ 3. Higher Production Costs



VS

Aluminum Alloy

- ✗ 1. Heaviar Weight
- ✗ 2. Low Intensity
- ✗ 3. Lower Production Cost



Image: Aotedor's commitment to product quality and extended support.

11. CUSTOMER SUPPORT

For any questions, assistance, or warranty claims, please contact our dedicated customer support team:

- **Email Support:** support@aotedor.com (Available 24 hours a day)
- **Telephone Support:** +1 888 817 9815 (Monday - Sunday, 9 AM - 5 PM EST)

Professional & Reliable Customer Service Team



Email Support Within
24 Hours Every Day
support@aotedor.com

Mon-Sun 9AM-5PM (EST)
7-Day Online Tel Support
+1 888 817 9815

Image: Aotedor's professional and reliable customer service team is available to assist you.