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DAHAIY Electric Wheelchair

DAHAIY Electric Wheelchair Instruction Manual

Model: Electric Wheelchair

1. Product Overview

The DAHAIY Electric Wheelchair is a foldable, all-terrain power wheelchair designed for adults. It features dual 500W motors, a 15-mile travel range, and a lightweight yet durable aluminum alloy frame. This mobility chair is suitable for both indoor and outdoor use, providing independence and convenience for users.



Image 1.1: The DAHAIY Electric Wheelchair, showcasing its compact design and joystick control.

2. Safety Information

Read all instructions before using the electric wheelchair. Failure to follow safety guidelines may result in injury or damage to the product.

- Always ensure the battery is securely installed before operation.
- Engage the brakes when stationary, especially on inclines.
- Avoid operating the wheelchair on excessively steep slopes or uneven terrain beyond its specified capabilities.
- Do not exceed the maximum weight recommendation of 400 pounds.
- Keep hands and clothing clear of moving parts, especially wheels and motors.
- Regularly inspect tires, brakes, and electrical connections for wear or damage.
- Use the safety belt provided to ensure secure seating during operation.



Image 2.1: The robust construction of the DAHAIY Electric Wheelchair, designed to support up to 400 pounds.

3. Package Contents

Verify that all components are present upon unboxing:

- 1 x Foldable Electric Wheelchair
- 1 x Battery Pack (removable)
- 1 x Joystick Controller
- 1 x Charger
- 1 x User Manual (this document)

4. Assembly and Setup

The DAHAIY Electric Wheelchair is designed for minimal assembly. Follow these steps for initial setup:

1. **Unfold the Wheelchair:** Carefully lift the wheelchair from its folded position. Push down on the seat frame until it locks into place. Ensure all locking mechanisms are engaged.
2. **Install the Battery:** Locate the battery compartment, typically at the rear or underneath the seat. Slide the battery pack into the compartment until it clicks securely. Connect any visible battery cables if they are not pre-connected.
3. **Attach the Joystick Controller:** Mount the joystick controller to the desired armrest (left or right) and secure it. Connect the controller cable to the corresponding port on the wheelchair.
4. **Adjust Footrests:** Adjust the footrests to a comfortable height for the user.
5. **Initial Charge:** Before first use, fully charge the battery. Refer to the 'Battery Information' section for charging instructions.



Image 4.1: The wheelchair in its folded state, demonstrating its portability for transport in a vehicle.

5. Operating Instructions

Familiarize yourself with the controls and operation of your DAHAIY Electric Wheelchair.

5.1. Power On/Off

- To power on, press the power button on the joystick controller. The battery indicator lights will illuminate.
- To power off, press and hold the power button until the lights turn off.

5.2. Driving

- Use the joystick to control direction and speed. Push forward to move forward, pull back to move backward, and push left/right to turn.
- The wheelchair features an electromagnetic braking system that automatically engages when the joystick is released.
- Adjust speed settings using the speed control buttons on the joystick.

5.3. Manual Mode

To move the wheelchair manually, disengage the motor clutches, typically located near the rear wheels. Push the levers to the 'neutral' or 'manual' position. Remember to re-engage the clutches for electric operation.

5.4. Folding for Transport

To fold the wheelchair for transport or storage:

1. Power off the wheelchair and disconnect the joystick.
2. Remove the battery pack.
3. Follow the specific folding mechanism instructions for your model, usually involving lifting the seat or pulling a lever to collapse the frame.

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Video 5.1: A demonstration of the DAHAIY Electric Wheelchair in daily use, showcasing its maneuverability and folding capabilities.

6. Battery Information

The wheelchair is equipped with a large-capacity, removable battery providing a travel range of approximately 15 miles.

6.1. Charging the Battery

- Connect the charger to the battery charging port.
- Plug the charger into a standard electrical outlet.
- The charging indicator on the charger will show the charging status (e.g., red for charging, green for fully charged).
- A full charge typically takes 4-6 hours. Do not overcharge the battery.

6.2. Battery Care

- Store the battery in a cool, dry place when not in use.
- If storing for extended periods, charge the battery at least once a month to maintain its health.
- Avoid fully discharging the battery frequently.



Image 6.1: The high-capacity battery, indicating a 15-mile travel range and 4-6 hour charging time.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your wheelchair.

- **Cleaning:** Wipe down the frame and seat with a damp cloth. Avoid using abrasive cleaners or excessive water directly on electrical components.
- **Tires:** Check tire pressure regularly if applicable (for pneumatic tires). For solid tires, inspect for wear and tear.
- **Connections:** Periodically check all bolts, screws, and electrical connections to ensure they are tight and secure.
- **Brakes:** Test the electromagnetic brakes before each use to ensure they engage properly.



Image 7.1: Close-up of the 17-inch anti-explosion tires, designed for durability across various terrains.

8. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Wheelchair does not power on.	Battery is low or not connected.	Charge the battery or ensure it is properly connected.
Wheelchair does not move when joystick is pushed.	Motors are disengaged (manual mode).	Engage the motor clutches for electric operation.
Reduced travel range.	Battery not fully charged or aging battery.	Ensure full charge. Consider battery replacement if range consistently decreases.

Problem	Possible Cause	Solution
Unusual noises during operation.	Loose components or debris in wheels.	Inspect for loose parts and tighten. Clear any obstructions from wheels.

9. Specifications

Key technical specifications for the DAHAIY Electric Wheelchair:

Feature	Specification
Product Dimensions (L x W x H)	45.2" x 24.8" x 37"
Folded Size (L x W x H)	30.4" x 14.7" x 29.3"
Weight	105.8 Pounds
Maximum Weight Recommendation	400 Pounds
Motor Power	500W Dual Motors
Travel Range	Up to 15 Miles
Battery Capacity	12 Ah
Battery Charging Time	4-6 Hours
Maximum Speed	6 Kilometers per Hour
Frame Material	Aluminum Alloy
Seat Width	18.5 Inches
Brake Style	Push-to-Lock
Wheel Type	Mag Wheel, Solid, Swivel
Uphill Angle	Up to 12 degrees



Image 9.1: The extra-wide seat cushion, measuring 18.5 inches for user comfort.



Image 9.2: The wheelchair demonstrating its capability to ascend inclines up to a 12-degree angle.

10. Warranty and Support

DAHAIY provides dedicated support for its products.

- **Warranty:** The product comes with a 1-year warranty.
- **Returns:** A 30-day easy return policy is available.
- **Technical Support:** For any inquiries or issues, contact our dedicated support team. Assistance is typically provided within 24 hours.

For further assistance, please refer to the contact information provided with your purchase documentation or visit the official DAHAIY website.

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