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## Raysync Carbon Fiber Electric Wheelchair

# Raysync Carbon Fiber Electric Wheelchair User Manual

MODEL: CARBON FIBER ELECTRIC WHEELCHAIR

## Introduction

Thank you for choosing the Raysync Carbon Fiber Electric Wheelchair. This manual provides essential information for the safe and efficient use of your new mobility device. Please read it thoroughly before operating the wheelchair and keep it for future reference.

This ultra-lightweight carbon fiber electric wheelchair is designed for adults, offering superior strength and portability. Weighing just 25.5 lbs total, it supports up to 300 lbs, ensuring effortless lifting, transport, and storage. Its foldable design is FAA-approved for air travel, making it an excellent companion for various journeys. Equipped with a 360° intelligent joystick, it provides precise, one-hand operation for navigating diverse environments.



Image: The Raysync Carbon Fiber Electric Wheelchair, highlighting its lightweight carbon fiber construction.

## Setup and Assembly

Follow these steps to set up your Raysync Carbon Fiber Electric Wheelchair:

1. **Unfolding the Wheelchair:** Carefully remove the wheelchair from its packaging. Place it on a flat, stable surface. Gently pull the backrest upwards and push down on the seat until the frame locks into place.
2. **Attaching the Seat Cushion:** Place the seat cushion onto the seat frame, ensuring it is securely positioned.
3. **Installing Footrests:** Attach the footrests to the designated slots on the front of the wheelchair frame. Ensure they click securely into place.
4. **Attaching the Joystick:** The joystick can be installed on either the left or right armrest. Connect the joystick cable to the corresponding port on the armrest and secure the joystick in position.
5. **Installing the Battery:** Locate the battery compartment, typically under the seat. Insert the battery and ensure it is properly seated and connected. Switch the battery on if it has a power switch.
6. **Switching to Electric Mode:** Push both red brake levers on the rear wheels upwards to engage electric mode. If

the wheelchair beeps, it indicates it is ready for electric operation.

Video: Detailed installation guide for the Carbon Fiber Wheelchair, demonstrating unfolding, component attachment, and battery installation.




Image: The wheelchair easily folds for transport, fitting conveniently into a car trunk.




Image: Key components of the wheelchair, including the wear-resistant solid tire, safety anti-tipping wheels, seat belts, and removable battery.

## Operating Instructions

Once assembled, your Raysync Electric Wheelchair is ready for use. Always ensure the battery is charged and the wheelchair is in electric mode before operating.

### Basic Controls (Joystick)

- **Power On/Off:** Press the power button on the joystick to turn the wheelchair on or off.
- **Movement:** Use the joystick to control direction (forward, backward, left, right).
- **Speed Adjustment:** Use the acceleration (+) and deceleration (-) buttons to adjust the speed. The wheelchair offers 3 speeds from 0-3.7 mph.
- **Battery Display:** The LED indicators on the joystick show the current battery level.
- **Horn:** Press the horn button to alert others.




Image: The intelligent joystick provides simple one-handed control for all wheelchair functions.

Video: Demonstration of the wheelchair's function and operation, including joystick controls.

### Driving Modes and Terrain

The wheelchair can be operated in electric mode or manual mode. For manual mode, push the red brake levers on the rear wheels downwards to disengage the motors, allowing the wheelchair to be pushed by an attendant. Always switch back to electric mode (levers up) for powered operation.

The Raysync Electric Wheelchair is designed to handle various terrains, including slopes (up to 12 degrees), speed bumps, lawns, and gravel roads. Exercise caution and reduce speed when navigating uneven or challenging surfaces.




Image: The wheelchair is suitable for all-terrain use, including slopes, speed bumps, lawns, and gravel roads.

Video: Demonstrates the wheelchair's use in various scenarios and environments.

## Maintenance

Regular maintenance ensures the longevity and optimal performance of your wheelchair.

### Battery Care

- Charge the battery fully before first use and after each use.
- Do not allow the battery to completely discharge.
- Store the battery in a cool, dry place if not in use for extended periods, and charge it periodically.

### Cleaning

- Wipe the frame with a damp cloth and mild detergent. Avoid harsh chemicals.
- The seat cushion and backrest fabric can be cleaned according to their care labels.

### Regular Checks

- Inspect tires for wear and proper inflation (if applicable).
- Check all bolts and fasteners for tightness.
- Ensure the joystick and all electrical connections are secure and free from damage.

## Troubleshooting

If you encounter issues with your wheelchair, refer to the following common problems and solutions:

- **Wheelchair not powering on:**
  - Ensure the battery is fully charged and properly installed.
  - Check that the battery's power switch is in the 'ON' position.
  - Verify all electrical connections, especially the joystick cable, are secure.
- **Joystick not responding:**
  - Confirm the wheelchair is powered on and in electric mode (brake levers up).
  - Check for any obstructions around the joystick.
  - Restart the wheelchair by turning it off and on again.
- **Wheelchair moves slowly or inconsistently:**
  - Check the battery charge level; a low battery can affect performance.
  - Ensure the speed setting on the joystick is appropriate.
  - Verify that the wheelchair is not overloaded beyond its weight capacity.

If the problem persists after attempting these solutions, please contact customer support.

## Specifications

| Feature | Detail |
| --- | --- |
| Brand | Raysync |
| Model | Carbon Fiber Electric Wheelchair |
| Item Weight | 25.5 Pounds |
| Frame Material | Carbon Fiber |
| Color | Black |
| Wheel Type | Mag Wheel |

| | |
|---|---|
| Product Style | 1 Battery |
| Expanded Dimensions | 35.8 x 23.8 x 35 inches |
| Folded Dimensions | 28 x 10.6 inches |
| Max Weight Capacity | 300 lbs (approximate, derived from feature bullets) |

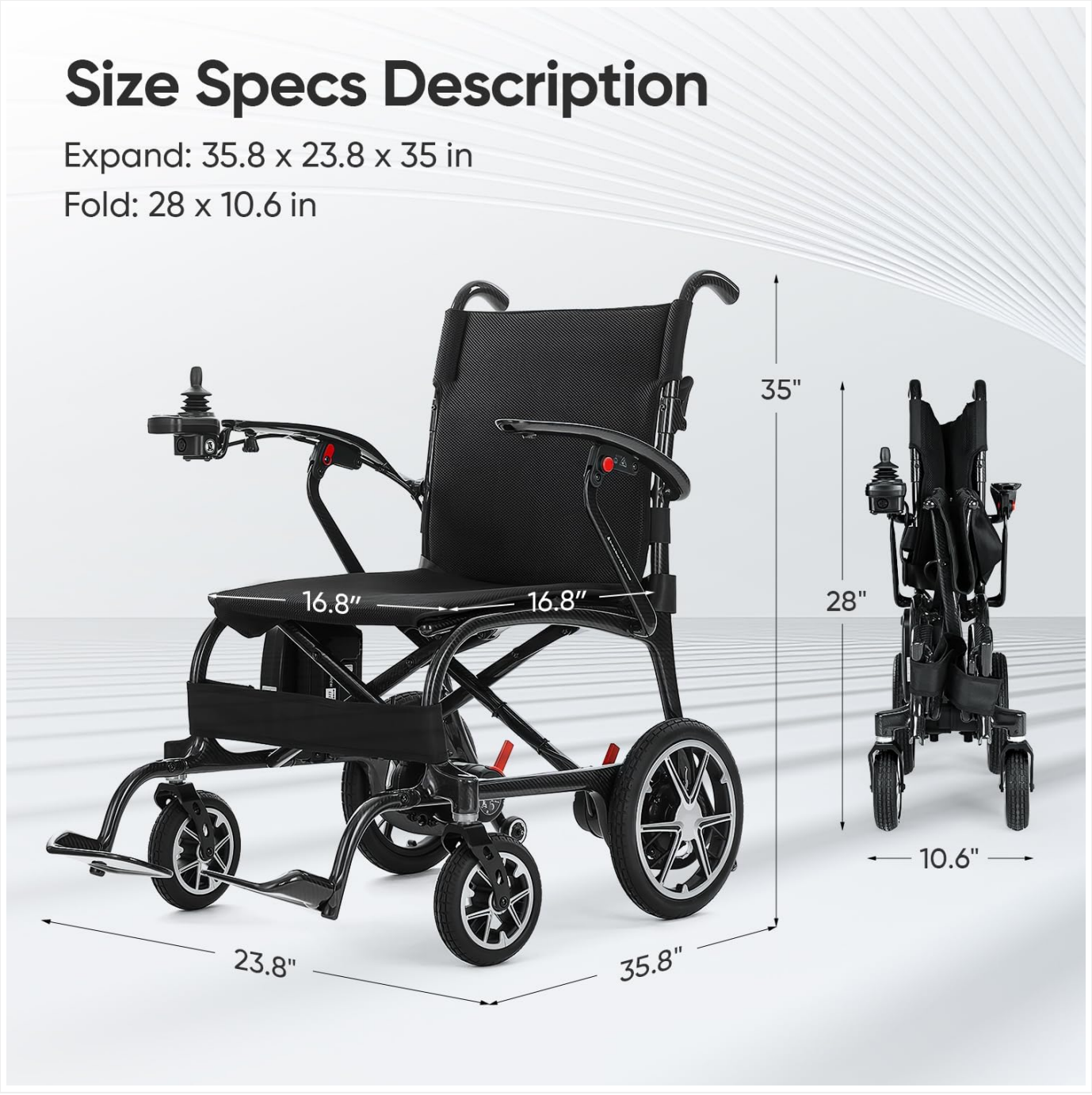



Image: Detailed dimensions of the wheelchair in both expanded and folded states.

## Warranty and Support

For warranty information, please refer to the documentation included with your purchase or visit the official Raysync website. If you require technical assistance, have questions about operation, or need to report an issue, please contact Raysync customer support. Keep your purchase receipt and product model number handy when contacting support.

## Ask a question about this manual

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**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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