

Rubicon DX04

Rubicon DX04 Foldable Electric Wheelchair User Manual

Model: DX04 (Model3)

Brand: Rubicon

1. INTRODUCTION

This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your Rubicon DX04 Foldable Electric Wheelchair. Please read this manual thoroughly before operating the wheelchair to ensure proper function and user safety.

The Rubicon DX04 is designed for convenient mobility, offering a lightweight and foldable solution for both indoor and outdoor use, including travel. Its compact design and user-friendly features aim to enhance independence and ease of transport.



Image 1.1: The Rubicon DX04 highlighting its lightweight, airline-approved, and detachable battery features.

Key Features:

- **Lightweight Design:** Weighs approximately 30 pounds without attachments, making it easy to lift and transport.
- **Foldable:** Folds in approximately 3 seconds for compact storage and travel.
- **Cruise Range:** Offers a range of up to 10 miles per charge.
- **Speed:** Reaches speeds up to 4 mph.
- **Airline Approved:** Equipped with a 10AH high-performance battery suitable for air travel.
- **Safety Features:** Includes anti-tip wheels and an electromagnetic brake system.
- **Comfort:** Features a breathable air-breeze seat cushion and backrest cover.

WORLD'S LIGHTEST

RUBICON
mobility

Foldable Power Chair

- ✓ **Weight only**
30 lbs
- ✓ **1-Step**
Fold Sequence
- ✓ **Fit in**
any Car
- ✓ **Long**
Cruise Range
- ✓ **Hold Up to**
220 lbs



Image 1.2: Overview of the Rubicon DX04's key specifications and benefits.

2. SAFETY INFORMATION

Your safety is paramount. Adhere to all safety guidelines to prevent injury or damage to the wheelchair.

General Safety Precautions:

- Always ensure the electromagnetic brakes are engaged when stationary, especially on inclines.
- Do not operate the wheelchair under the influence of alcohol or medication that impairs judgment.
- Avoid operating the wheelchair on excessively steep slopes or uneven terrain beyond its design capabilities.
- Ensure all components are securely fastened before each use.
- Keep hands and clothing clear of moving parts.
- Use the safety belt provided.

Specific Safety Features:

- **Anti-Tip Wheels:** The DX04 is equipped with anti-tip wheels at the rear to provide additional stability and prevent backward tipping, particularly on inclines or when navigating uneven surfaces. Ensure these are properly installed and maintained.
- **Electromagnetic Brake System:** This system automatically engages when the joystick is released, providing reliable stopping power.

3. SETUP AND ASSEMBLY

The Rubicon DX04 is designed for quick and easy setup. Follow these steps to prepare your wheelchair for first use.

Unboxing and Initial Inspection:

1. Carefully remove the wheelchair from its packaging.
2. Inspect all components for any signs of damage during shipping. Contact customer support immediately if any damage is found.
3. Unfold the wheelchair by gently pulling the backrest upwards until it locks into place.

Component Installation:



Image 3.1: Labeled components of the Rubicon DX04 electric wheelchair.

4. **Install Joystick:** Locate the joystick controller. Insert the joystick into the designated hole on either the right or left armrest, depending on user preference. Ensure it clicks securely into place.
5. **Attach Cushions:** Place the shorter cushion on the backrest and the longer cushion on the seat. Secure them using the attached fasteners (e.g., Velcro straps).
6. **Insert Battery:** The detachable lithium battery slides into a compartment located beneath the seat. Ensure the battery is oriented correctly (bottom at the top) and press it firmly until it locks.
7. **Install Anti-Tip Wheels:** Attach the anti-tip wheels to the designated slots at the rear of the wheelchair frame. Press the button on the anti-tip wheel and slide it into the slot until it locks. Ensure both anti-tip wheels are securely in place.



Image 3.2: Detachable battery installation.

Setup Video:

Video 3.1: This instructional video provides a step-by-step guide for setting up the Rubicon DX04 electric wheelchair. It covers unboxing, installing the joystick, attaching the seat cushions, inserting the detachable battery, and securing the anti-tip wheels. The video also demonstrates how to silence the reverse beep and utilize the dual charging ports.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and operation of your Rubicon DX04 wheelchair.

Powering On/Off:

- To power on, press the power button on the joystick controller. You will hear a beep sound indicating it is ready for use.

- To power off, press and hold the power button until the indicators turn off.

Driving and Speed Control:

- **Joystick Control:** Use the joystick to control direction and speed. Push forward to move forward, pull back to reverse, and push left or right to turn.
- **Speed Settings:** The joystick controller typically has buttons to adjust speed levels. Start with the lowest speed setting until you are comfortable with the controls.
- **Braking:** The electromagnetic brake system automatically engages when the joystick is released, bringing the wheelchair to a stop. For additional security, use the manual parking hand brakes located near the rear wheels.

Folding and Unfolding:

The DX04 features a quick-fold mechanism for easy transport and storage.

1. Ensure the wheelchair is powered off and the brakes are engaged.
2. Lift the seat upwards from the center. The wheelchair frame will begin to collapse inward.
3. Continue to fold until the chair is compact.
4. To unfold, reverse the process, pulling the backrest and seat apart until the frame locks into its open position.

World's Lightest WHEELCHAIR

220lb
Carrying Capacity



Only
30 lbs



Swift Folding & EASY TRANSPORT



Image 4.1: The Rubicon DX04 in its folded configuration.

Operation Overview Video:

Video 4.1: This video demonstrates the Rubicon DX04 electric wheelchair in use, highlighting its compact design, effortless folding mechanism, lightweight nature, anti-tip wheels for safety on varied terrain, and extended cruise range. It showcases the chair's portability and ease of use for daily activities.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Rubicon DX04 wheelchair.

Battery Care:

- **Charging:** Charge the battery fully before first use and after each significant period of use. The charging time is approximately 6 hours.
- **Charging Ports:** The wheelchair offers two charging options: directly into the joystick controller or into the battery itself.

- **Storage:** If storing the wheelchair for an extended period, ensure the battery is fully charged and disconnect it. Recharge every 1-2 months to maintain battery health.
- **Replacement:** Only use genuine Rubicon replacement batteries.

Cleaning:

- Wipe down the frame with a damp cloth. Avoid using abrasive cleaners.
- The breathable air-breeze seat cushion and backrest cover can be easily removed for cleaning. Follow the care instructions on the fabric labels.

Tire and Wheel Inspection:

- Regularly check the solid puncture-proof rubber tires for wear and tear.
- Ensure all wheels and anti-tip wheels rotate freely and are securely attached.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Rubicon DX04 wheelchair.

Problem	Possible Cause	Solution
Wheelchair does not power on.	Battery is not charged or not properly installed.	Ensure the battery is fully charged and correctly inserted into its compartment. Check all connections.
Beeping sound when reversing.	This is a safety feature.	To silence the reverse beep, press the horn button and the speed decrease button simultaneously on the joystick controller.
Wheelchair is difficult to turn.	Possible issue with joystick calibration or obstruction.	Ensure the joystick is fully centered when not in use. Check for any obstructions around the wheels. If the issue persists, contact customer support.
Battery does not hold charge well.	Battery degradation or improper charging habits.	Ensure the battery is fully charged after each use. Avoid completely draining the battery. If the battery is old, consider replacement.
Unstable ride on uneven surfaces.	Operating on terrain beyond the wheelchair's design.	The DX04 is designed for general use; extreme uneven surfaces may cause instability. Ensure anti-tip wheels are engaged. Exercise caution on varied terrain.

7. SPECIFICATIONS

Detailed technical specifications for the Rubicon DX04 (Model3) electric wheelchair.



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Image 7.1: Dimensions of the Rubicon DX04 electric wheelchair.

- **Model:** DX04 (Model3)
- **Weight (without attachments):** Approximately 30 lbs
- **Max Speed:** Up to 4 mph
- **Cruise Range:** Up to 10 miles per charge
- **Battery:** 10AH Lithium-ion (Airline Approved)
- **Charging Time:** Approximately 6 hours
- **Motor:** Dual brushless motors
- **Seat Width:** 18 inches
- **Front Wheels:** 9 inches
- **Rear Wheels:** 12.5 inches
- **Tires:** Solid puncture-proof rubber
- **Weight Capacity:** Up to 220 lbs
- **Brake System:** Electromagnetic

8. WARRANTY AND SUPPORT

Rubicon is committed to providing high-quality products and customer satisfaction.

Warranty Information:



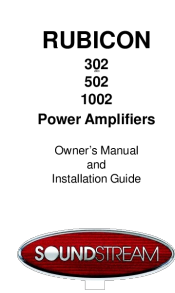

Please refer to the warranty card included with your purchase for specific details regarding coverage periods and terms. Generally, Rubicon products come with a limited warranty covering manufacturing defects.

Customer Support:

For technical assistance, parts, or warranty claims, please contact Rubicon customer support. Our service team is based in the USA to provide prompt and efficient support.

Contact Information: (Refer to your product packaging or Rubicon's official website for the most current contact details.)

Related Documents - DX04

	<p>Rubicon Industrial Automation Product Catalogue: Control, Automation, and Electrical Solutions</p> <p>Explore the comprehensive Rubicon Industrial Automation Product Catalogue, featuring a wide range of solutions including control panels, enclosures, sensors, PLCs, power supplies, surge protection, and more from leading brands like Rittal, Siemens, and Schneider Electric.</p>
	<p>Canopia Rubicon 6x5 / 2x1.5 Garden Shed Assembly Instructions</p> <p>Detailed assembly instructions for the Canopia Rubicon 6x5 / 2x1.5 garden shed, including site preparation, foundation types, anchoring, safety advice, and maintenance.</p>
	<p>Soundstream RUBICON Series Power Amplifiers Owner's Manual and Installation Guide</p> <p>This manual provides detailed information for the Soundstream RUBICON 302, 502, and 1002 power amplifiers, covering design features, installation procedures, wiring diagrams, troubleshooting, and technical specifications.</p>
	<p>Soundstream RUBICON 805/405 5/3 Channel Power Amplifier Owner's Manual and Installation Guide</p> <p>This document is the owner's manual and installation guide for the Soundstream RUBICON 805 and 405 5/3 Channel Power Amplifiers. It details design features, installation steps, wiring diagrams, crossover adjustments, troubleshooting, and specifications.</p>

