

Rubicon DX04

Rubicon DX04 Foldable Electric Wheelchair Instruction Manual

Model: DX04

1. INTRODUCTION

Thank you for choosing the Rubicon DX04 Foldable Electric Wheelchair. This manual provides essential information for the safe and effective operation, maintenance, and care of your new mobility device. Please read this manual thoroughly before using the wheelchair and retain it for future reference.

The Rubicon DX04 is designed to offer enhanced mobility and independence. It is a lightweight, foldable electric wheelchair, ideal for daily use, outdoor activities, and travel. Its compact design and airline-approved battery make it a convenient choice for various transportation needs.

2. SAFETY INFORMATION

Always prioritize your safety and the safety of others. Failure to follow these instructions may result in injury or damage to the wheelchair.

- **Read the Manual:** Fully understand all instructions before operating the wheelchair.
- **Weight Capacity:** Do not exceed the maximum weight capacity of 220 lbs (100 kg).
- **Braking System:** The wheelchair is equipped with an intelligent electromagnetic braking system. Ensure it is functioning correctly before each use.
- **Anti-Tip Wheels:** The anti-tip wheels are crucial for stability, especially on inclines or uneven terrain. Do not remove or modify them.
- **Tires:** The tires are puncture-resistant. Regularly inspect them for wear and tear.
- **Environmental Conditions:** Avoid operating the wheelchair in extreme weather conditions (heavy rain, snow, ice) or on excessively steep slopes.

- **Battery Safety:** Use only the approved charger and battery. Do not expose the battery to extreme temperatures or puncture it. The battery is airline-approved; however, always check with your airline for their specific regulations before travel.
- **Children and Pets:** Keep children and pets away from the wheelchair during operation and charging.
- **Maintenance:** Perform regular maintenance as described in this manual to ensure optimal performance and safety.

3. PACKAGE CONTENTS

Upon unpacking, please ensure all the following items are present:

- Rubicon DX04 Electric Wheelchair (main unit)
- Lithium-ion Battery Pack
- Battery Charger
- Joystick Controller
- User Manual (this document)

If any items are missing or damaged, please contact your seller immediately.

4. SETUP

4.1 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. Push down on the seat frame until it is fully extended and flat.
4. Lower the footrest into position.



Image: The Rubicon DX04 electric wheelchair shown both unfolded and in its compact folded state, demonstrating its portability.

4.2 Attaching and Charging the Battery

The Rubicon DX04 features a detachable battery for convenient charging.

1. Locate the battery compartment, typically under the seat or at the rear of the frame.
2. Slide the battery pack into the compartment until it clicks securely into place.
3. To charge, connect the charger to the battery pack's charging port, then plug the charger into a standard wall outlet.
4. The charging indicator light on the charger will show the charging status. Charge fully before first use (approximately 2.5 hours for a full charge).



Image: The Rubicon DX04 electric wheelchair with a detailed view of its detachable battery, highlighting the ease of removal for charging.

4.3 Adjusting Components

- **Footrest:** The footrest can be collapsed inward for easier standing access. Adjust as needed for comfort.
- **Cushions:** The seat and back cushions are breathable and removable for cleaning or adjustment.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Locate the power button on the joystick controller. Press and hold to turn the wheelchair on or off. The battery indicator lights will illuminate upon power-on.

5.2 Using the Joystick Controller

The Rubicon DX04 features an ergonomic 360° joystick for simple and intuitive control.

- **Forward/Backward:** Gently push the joystick forward to move forward, and pull backward to move in reverse.
- **Turning:** Push the joystick left or right to steer the wheelchair in the desired direction.
- **Speed Adjustment:** Use the speed control buttons (usually '+' and '-') on the joystick to adjust the maximum speed. The DX04 can reach speeds up to 4 mph.
- **Braking:** Release the joystick, and the intelligent electromagnetic braking system will automatically engage, bringing the wheelchair to a smooth stop.

5.3 Folding for Transport

The DX04 is designed for quick folding, making it easy to transport and store.

1. Ensure the wheelchair is powered off.
2. Lift the seat upwards.
3. Push the backrest forward until the wheelchair folds compactly.
4. Secure any locking mechanisms if present.



The advertisement features a green Rubicon DX04 electric wheelchair. On the left, the wheelchair is shown in its open, upright position against an orange background. It has a green mesh backrest and seat, black armrests, and a joystick control on the right armrest. On the right, the same wheelchair is shown folded into a compact, upright position against a teal background. Text overlays include 'World's Lightest WHEELCHAIR' in large, bold letters, '220lb Carrying Capacity' with a scale icon, 'Only 30 lbs' with a hand icon, and 'Swift Folding & EASY TRANSPORT' in large, bold letters.

**World's Lightest
WHEELCHAIR**

**220lb
Carrying Capacity** 

Only 30 lbs 

**Swift Folding &
EASY
TRANSPORT**

Image: A green Rubicon DX04 electric wheelchair shown in both its open and folded configurations, illustrating its swift folding capability for easy transport.

5.4 Travel Considerations

The Rubicon DX04 is airline-approved. However, it is essential to contact your specific airline prior to travel to confirm their current policies regarding electric wheelchairs and lithium-ion batteries.



Image: A green Rubicon DX04 electric wheelchair positioned at an airport, emphasizing its airline-approved status for travel.

5.5 Operational Video Guide

Your browser does not support the video tag.

Video: This video demonstrates the key features and operation of the Rubicon DX04 electric wheelchair, including folding and anti-tip wheel functionality.

6. MAINTENANCE

6.1 Battery Care

- Always use the provided charger.
- Do not overcharge or completely drain the battery.
- Store the battery in a cool, dry place when not in use.
- If storing for extended periods, charge the battery to approximately 50% every 3 months.

6.2 Cleaning

- The seat and back cushions are removable and washable. Follow care instructions on the fabric.
- Wipe down the frame and other surfaces with a damp cloth. Avoid using abrasive cleaners or solvents.
- Ensure no water enters electrical components.

6.3 General Inspection

- Regularly check all nuts, bolts, and fasteners for tightness.
- Inspect tires for any damage or excessive wear.
- Ensure the joystick operates smoothly and all controls respond correctly.
- Check the anti-tip wheels for proper function and wear.

7. TROUBLESHOOTING

If you encounter any issues, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Wheelchair does not power on	Battery not connected or discharged	Ensure battery is securely connected. Charge the battery fully.
Reduced driving range	Battery not fully charged or aging battery	Ensure battery is fully charged. Consider battery replacement if range continues to decrease significantly.
Joystick unresponsive	Loose connection or joystick malfunction	Check all cable connections to the joystick. Power cycle the wheelchair. If problem persists, contact support.
Unusual noises during operation	Loose components or motor issue	Inspect for loose parts. If noise persists, discontinue use and contact support.

If you cannot resolve the issue using the troubleshooting guide, please contact customer support.

8. SPECIFICATIONS

The following are the technical specifications for the Rubicon DX04 Electric Wheelchair:

- **Model:** DX04
- **Weight (without battery):** 30 lbs
- **Maximum Speed:** 4 mph
- **Driving Range:** Up to 10 miles per charge
- **Maximum Carrying Capacity:** 220 lbs

- **Product Dimensions (D x W x H):** 16"D x 18"W x 18"H
- **Seat Depth:** 16 inches
- **Brake Style:** Electromagnetic
- **Power Source:** Battery Powered
- **Wheel Type:** Solid (Front and Rear)
- **Battery Average Life:** 2.5 hours (per charge)
- **Frame Material:** Aluminum
- **Additional Features:** Foldable, Detachable Battery, Anti-Tip Wheels



Image: The Rubicon DX04 electric wheelchair with various dimensions clearly labeled, providing a visual guide to its size.

9. WARRANTY INFORMATION

For specific warranty details, including coverage period and terms, please refer to the warranty card included with your purchase or contact the seller directly. Keep your proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue, please contact your seller or the manufacturer, Rubicon, through the contact information provided at the time of purchase or on their official website.

For general inquiries, you may visit the [Rubicon Store on Amazon](#).