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Rubicon DX07

Rubicon DX07 Foldable Electric Wheelchair User Manual

Model: DX07

1. INTRODUCTION

The Rubicon DX07 is a lightweight, foldable electric wheelchair designed for versatile mobility across various terrains. This manual provides essential information for safe operation, assembly, maintenance, and troubleshooting to ensure optimal performance and user safety.

2. SAFETY INFORMATION

- Always fasten the adjustable safety belt before operating the wheelchair.
- Ensure the electromagnetic brake system is functioning correctly for smooth and safe stops.
- Verify anti-tip wheels are properly adjusted and secured to prevent tipping.
- Exercise caution on steep slopes, uneven terrain, and gravel. The all-terrain capability is designed to assist, but user vigilance is crucial.
- Do not operate the wheelchair if the battery is critically low or if any components appear damaged.
- Keep hands and clothing clear of moving parts, especially wheels and motors.

3. PACKAGE CONTENTS

Upon unboxing your Rubicon DX07, please ensure all the following components are present:

- Rubicon DX07 Electric Wheelchair Frame
- Detachable 10AH Lithium Battery
- Battery Charger
- 360-degree Joystick Controller
- Rear Storage Basket
- Seat Cushion and Backrest Cover
- Cup Holder
- USB Light
- User Manual (this document)

4. SETUP AND ASSEMBLY

4.1 Unfolding the Wheelchair

The Rubicon DX07 features a simple one-step folding mechanism for quick deployment.



Image: The Rubicon DX07 Electric Wheelchair in its ready-to-use, unfolded state, with a remote control shown nearby.

4.2 Attaching the Joystick Controller

The joystick can be attached to either the left or right armrest for user preference. Securely tighten the bolt after attachment.

4.3 Installing the Seat Cushion and Backrest

Place the breathable seat cushion onto the seat frame and press down to secure. The backrest cover is typically pre-installed or easily attached via Velcro.

4.4 Connecting the Battery

Locate the battery compartment beneath the seat. Insert the detachable battery and ensure it clicks securely

into place. Connect the battery lead to the wheelchair's power system.

4.5 Securing Anti-Tip Wheels

The anti-tip wheels are crucial for stability. Ensure they are properly extended and secured with the provided pins at the desired height setting.

4.6 Visual Guide: Setup and Operation

Video: This video demonstrates the unfolding, battery connection, controller attachment, and basic operation of the Rubicon DX07 electric wheelchair.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

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

5.2 Joystick Control

The 360-degree joystick provides precise control over movement. Gently push the joystick in the desired direction to move. The controller also features:

- **Speed Adjustment:** Use the '+' and '-' buttons to increase or decrease speed.
- **Horn:** Press the horn button to alert others.
- **SOS Call:** Activate the SOS function in emergencies.



Image: A detailed view of the joystick controller, highlighting the power, speed, horn, and SOS buttons.

5.3 Switching Between Electric and Manual Mode

To switch to manual mode, disengage the motor clutches located near the rear wheels. To re-engage electric mode, push the clutches back into position.

5.4 Using the Safety Belt

Always fasten the adjustable safety belt securely across your lap before operating the wheelchair to ensure safety and stability.

5.5 Bluetooth Remote Control

The Rubicon DX07 can be operated remotely via Bluetooth, offering assistance options for caregivers or in situations where direct joystick control is not feasible.



Image: A hand holding the Bluetooth remote control, which can be used to operate the wheelchair from a distance.

6. FEATURES

- **Ultra-Lightweight & Foldable:** Weighing approximately 40 lbs, the DX07 folds in 3 seconds for easy transport and storage, fitting into most car trunks.
- **Powerful Dual Motors:** Equipped with two 500W motors for superior traction and all-terrain capability, handling slopes and varied surfaces.
- **Electromagnetic Brake System:** Ensures smooth, reliable, and safe stopping.
- **Extended Cruise Range:** The detachable, airline-compliant 10AH battery provides a cruise range of up to 12 miles.
- **Comfort & Convenience:** Features a footrest that collapses inward for easier standing, double-joint armrests that lift for closer access to tables, hydraulic anti-tilt support, and breathable, detachable seat/backrest cushions for easy cleaning.

- Enhanced Safety & Durability: Includes puncture-free rubber wheels and a robust aluminum frame.

WORLD'S LIGHTEST



Foldable Power Chair

✓ **Weight only
40 lbs**

✓ **1-Step
Fold Sequence**

✓ **Fit in
any Car**

✓ **Long
Cruise Range**

✓ **Hold Up to
220 lbs**



Image: The Rubicon DX07 showcasing its lightweight design and easy folding for portability.



Image: The Rubicon DX07 illustrating its easy access design for front or side entry.

7. MAINTENANCE

7.1 Battery Care

Charge the battery regularly. The detachable battery can be charged either while installed on the wheelchair or removed. A full charge takes approximately 6 hours.

7.2 Cleaning

The seat cushion and backrest cover are made of air-breeze material and can be detached for washing. Wipe down the frame and other non-removable parts with a damp cloth.

7.3 Regular Checks

Periodically inspect tires for wear, check brake functionality, and ensure all connections and fasteners are secure.

8. TROUBLESHOOTING

- **No Power:** Check if the battery is properly connected and charged. Ensure the power button on the joystick is pressed.
- **Wheelchair Not Moving:** Verify that the motor clutches are engaged (electric mode). Check for any obstructions around the wheels.
- **Unresponsive Joystick:** Ensure the joystick cable is securely connected.
- For persistent issues, please refer to the detailed troubleshooting section in the full manual or contact customer support.

9. SPECIFICATIONS

Feature	Specification
Model	DX07
Motor Power	500W (Dual Motors)
Cruise Range	Up to 12 miles
Battery Type	10AH Lithium (Airline Compliant)
Charging Time	Approx. 6 hours
Weight	Approx. 40 lbs
Max Load Capacity	265 lbs
Brake Style	Electromagnetic
Material	Aluminum
Folding Time	3 seconds

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your retailer or the manufacturer directly. Keep your purchase receipt and product serial number handy for faster assistance.