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> Rubicon DX03 Lightweight Foldable Electric Wheelchair User Manual

Rubicon DX03

Rubicon DX03 Lightweight Foldable Electric Wheelchair User Manual

Model: DX03

1. INTRODUCTION

Thank you for choosing the Rubicon DX03 Lightweight 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 to ensure proper understanding and to prevent injury or damage. The Rubicon DX03 is designed to offer enhanced mobility and independence with its lightweight, foldable design, powerful motors, and extended range. It is suitable for daily use and travel, including air travel, meeting airline standards for mobility devices.

2. SAFETY INFORMATION

Your safety is paramount. Please observe the following precautions:

- Always ensure the battery is securely connected before operation.
- Do not operate the wheelchair on steep inclines or uneven terrain that exceeds its capabilities.
- Avoid operating the wheelchair in wet conditions or through standing water.
- Always use the safety belt provided.
- Ensure the wheelchair is fully unfolded and locked into position before use.
- Do not exceed the maximum weight capacity of 265 lbs.
- Keep hands and clothing clear of moving parts.
- Consult a physician or therapist for guidance on safe usage if you have specific medical conditions.

3. PRODUCT OVERVIEW

The Rubicon DX03 features a robust yet lightweight frame, dual motors, and an intuitive joystick control. Key components include:

- **Joystick Controller:** For directional control and speed adjustment.
- **Armrests:** Provide support and comfort.
- **Footrests:** Adjustable for user comfort.
- **Seat and Backrest:** Padded for comfort, with a safety belt.

- **Detachable Battery:** Located under the seat, powers the motors.
- **Drive Wheels:** Rear wheels powered by 2x250W motors.
- **Caster Wheels:** Front wheels for steering.
- **Folding Mechanism:** Allows for compact storage and transport.



Figure 3.1: Front view of the Rubicon DX03 Electric Wheelchair, showcasing the joystick, seat, and wheels.



Figure 3.2: Side view of the Rubicon DX03 Electric Wheelchair, highlighting the frame and battery placement.

LIGHTEST & POWERFUL

Foldable Power Chair

- **Weight Only**
40 lbs
- **1-Step**
Fold Sequence
- **Fit in**
Any Car
- **Long Range**
12 miles
- **Hold Up to**
265 lbs



 **RUBICON**
mobility

DX03

Figure 3.3: Overview of Rubicon DX03 features, including its 40 lbs weight, 1-step fold, 12-mile range, and 265 lbs capacity.

EASY ACCESS

Front or Side Entry



RUBICON
mobility

DX03

Figure 3.4: Illustration of easy access to the Rubicon DX03, showing front or side entry options.

4. SETUP INSTRUCTIONS

Follow these steps to prepare your Rubicon DX03 for use:

1. Unfolding the Wheelchair:

Place the folded wheelchair on a flat, stable surface. Gently pull the backrest upwards while pushing the armrests outwards until the frame locks into its open position. Ensure all locking mechanisms are engaged.

2. Adjusting the Seat and Footrests:

Ensure the seat cushion is properly positioned. Adjust the footrests to a comfortable height for the user, if applicable, and lock them in place.

3. Connecting the Battery:

Locate the battery compartment, typically under the seat. Insert the detachable battery and ensure it clicks securely into place. Connect the battery cable to the wheelchair's power port. The power indicator on the joystick should illuminate.

4. Initial Charge:

For optimal performance, fully charge the battery before the first use. Refer to the "Battery Management" section

for charging instructions.

5. OPERATING INSTRUCTIONS

The Rubicon DX03 is controlled via an intuitive joystick. Familiarize yourself with its functions before operating.

1. **Power On/Off:**

Press the power button on the joystick controller to turn the wheelchair on or off. The battery indicator lights will show the current charge level.

2. **Speed Adjustment:**

Use the speed control buttons (usually '+' and '-') on the joystick to adjust the maximum speed. Start at the lowest speed setting until you are comfortable with the controls.

3. **Directional Control:**

Gently push the joystick in the desired direction: forward, backward, left, or right. The wheelchair will move smoothly in response. Release the joystick to stop; the electromagnetic brakes will engage automatically.

4. **Maneuvering:**

Practice in an open, safe area to become accustomed to the wheelchair's turning radius and responsiveness.

6. FOLDING AND TRANSPORT

The Rubicon DX03's foldable design makes it convenient for storage and transport.

1. **Preparation for Folding:**

Ensure the wheelchair is powered off and the battery is detached (recommended for transport, especially air travel). Remove any personal items from the wheelchair.

2. **Folding Procedure:**

Locate the folding release mechanism (refer to specific model instructions if different). Typically, this involves lifting the seat or pulling a lever, then gently pushing the sides of the wheelchair inwards until it folds compactly. Ensure all parts are securely folded.

3. **Transport:**

The lightweight design (approximately 40 lbs) allows for easy lifting and placement into vehicle trunks or storage spaces. The Rubicon DX03 is airline approved; however, always check with your airline regarding their specific policies for mobility devices and detachable batteries before travel.

3 Foldable in Seconds



Fits with Even Trunk of Small Vehicles

Figure 6.1: The Rubicon DX03 folds compactly, allowing it to fit into the trunk of a standard vehicle for easy transport.

7. BATTERY MANAGEMENT

Proper battery care ensures optimal performance and longevity.

- **Charging:**

Connect the charger to the battery charging port and then to a standard electrical outlet. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged). Do not overcharge the battery.

- **Battery Life:**

A fully charged battery provides an approximate cruise range of 12 miles, depending on terrain, user weight, and speed settings.

- **Storage:**
If storing the wheelchair for an extended period, ensure the battery is fully charged and stored in a cool, dry place. Recharge the battery every 1-2 months to maintain its health.
- **Detachable Battery:**
The detachable battery design allows for convenient charging off-board and compliance with airline regulations for lithium-ion batteries.

8. MAINTENANCE

Regular maintenance helps keep your wheelchair in optimal condition.

- **Cleaning:**
Wipe down the frame and seat with a damp cloth and mild detergent. Avoid using abrasive cleaners or excessive water directly on electrical components.
- **Tire Pressure:**
Check tire pressure regularly and inflate to the recommended PSI (if applicable for pneumatic tires).
- **Inspections:**
Periodically inspect all nuts, bolts, and fasteners for tightness. Check for any signs of wear or damage to the frame, wheels, and electrical cables. Contact customer support if you notice any significant issues.

9. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Wheelchair does not power on.	Battery not connected, battery discharged, power button not pressed.	Ensure battery is securely connected. Charge the battery. Press the power button firmly.
Wheelchair moves slowly or inconsistently.	Low battery charge, speed setting too low, motor obstruction.	Charge the battery. Increase speed setting on joystick. Check for obstructions around motors/wheels.
Joystick unresponsive.	Loose connection, joystick malfunction.	Check all cable connections to the joystick. If issue persists, contact customer support.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact Rubicon customer support.

10. SPECIFICATIONS

Key technical specifications for the Rubicon DX03 Electric Wheelchair:

- **Model:** DX03
- **Brand:** Rubicon
- **Product Dimensions (Unfolded):** 38"D x 27"W x 38"H
- **Item Weight:** 40 Pounds
- **Motor Power:** 2 x 250W
- **Cruise Range:** Approximately 12 miles

- **Weight Capacity:** Up to 265 lbs
- **Manufacturer:** Innv Tech
- **First Available:** June 3, 2024

DIMENSIONS

Of Product

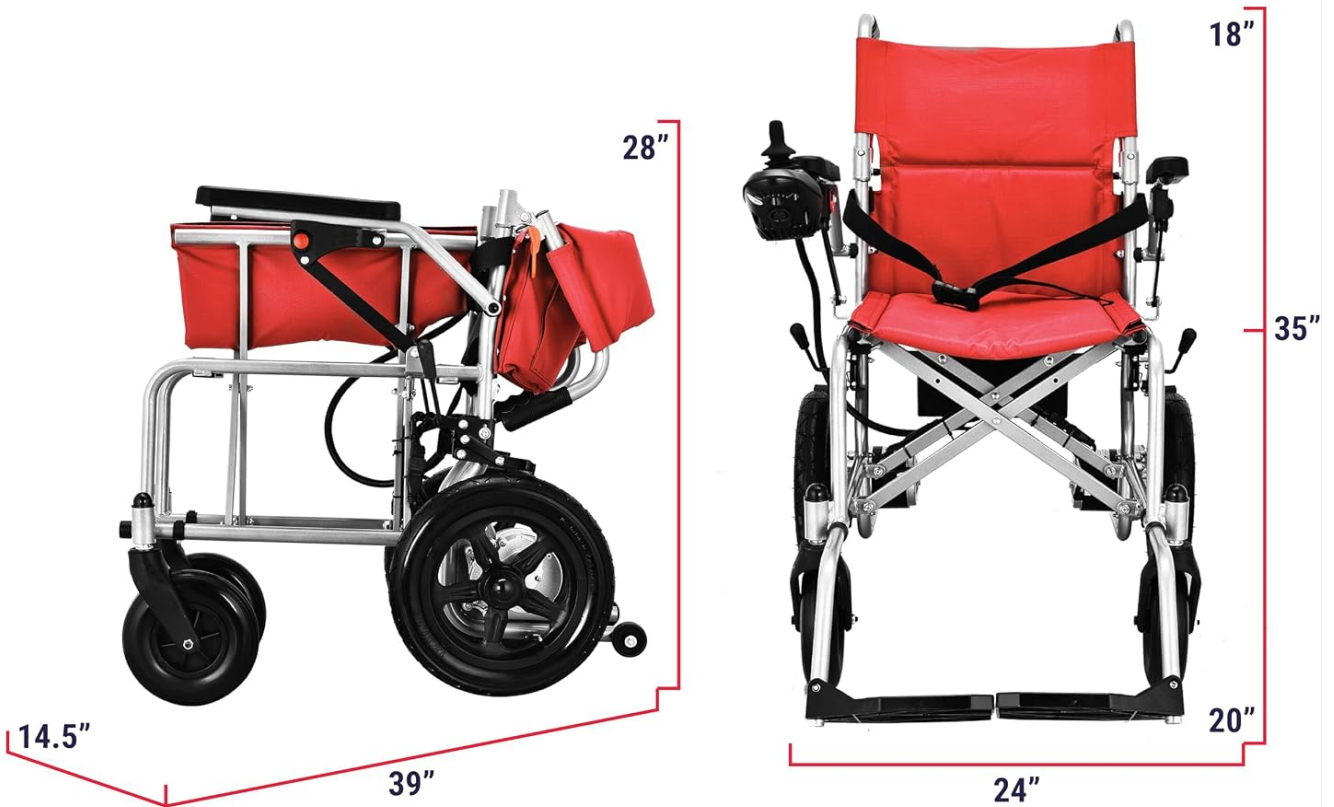


Figure 10.1: Detailed dimensions of the Rubicon DX03 in both folded and unfolded states.

11. WARRANTY AND SUPPORT

The Rubicon DX03 Electric Wheelchair comes with a **5-year warranty**, as indicated by the manufacturer. For warranty claims, technical support, or any inquiries, please contact Rubicon customer service through the retailer where the product was purchased or visit the official Rubicon website.

For additional information and support, you may visit the [Rubicon Store on Amazon](#).

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