

Rubicon FX4

Rubicon FX4 Lightweight 4 Wheel Foldable Mobility Scooter User Manual

Model: FX4 (Model2)

1. INTRODUCTION

Thank you for choosing the Rubicon FX4 Lightweight 4 Wheel Foldable Mobility Scooter. This manual provides essential information for the safe and efficient operation, maintenance, and care of your new mobility device. Please read this manual thoroughly before using the scooter to ensure proper understanding and to maximize its lifespan and performance.

The Rubicon FX4 is designed for adults and seniors, offering a lightweight, foldable, and travel-friendly solution with a detachable lithium battery. It features an adjustable handlebar, a maximum speed of 9 miles per hour, and a range of up to 15 miles on a single charge.

2. SAFETY INFORMATION

Always prioritize safety when operating your mobility scooter. Failure to follow safety guidelines can result in injury or damage to the scooter.

- **Weight Capacity:** Do not exceed the maximum weight capacity of 265 lbs (120 kg).
- **Pre-Operation Check:** Before each use, ensure all components are securely fastened, the battery is charged, and brakes are functioning correctly.
- **Environmental Conditions:** Avoid operating the scooter in extreme weather conditions, on excessively steep inclines, or on uneven terrain that could compromise stability.
- **Speed Control:** Always operate the scooter at a safe speed appropriate for the environment and your skill level.
- **Braking:** Familiarize yourself with the hand brake system and practice stopping smoothly.
- **Children and Pets:** Keep children and pets away from the scooter during operation and when it is charging.

3. SETUP AND INITIAL ASSEMBLY

Your Rubicon FX4 scooter comes largely pre-assembled. Follow these steps for initial setup:

1. **Unpacking:** Carefully remove the scooter and all components from the packaging. Retain packaging for future transport or storage.
2. **Unfolding:** Place the scooter on a flat, stable surface. Follow the instructions to unfold the frame until it locks securely into the operating position.
3. **Handlebar Installation and Adjustment:** Insert the handlebar post into its receiver and secure it. Adjust the handlebar height and angle to a comfortable position using the quick-release levers or adjustment knobs. Ensure it is firmly tightened before use.
4. **Seat and Armrest Attachment:** Attach the seat and armrests as per the diagrams provided in the separate assembly guide (if applicable). Ensure they are securely locked in place.
5. **Basket Attachment:** Attach the storage basket to the designated area, typically at the rear of the scooter.
6. **Battery Installation:** Insert the detachable lithium battery into its compartment. Ensure it is properly seated and connected.
7. **Initial Charge:** Before first use, fully charge the battery. Connect the charger to the scooter's charging port and then to a standard electrical outlet. The charging indicator will show when charging is complete.



Image: The Rubicon FX4 scooter in its unfolded state, highlighting the adjustable handlebar and the mechanism for easy folding and storage.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **To Power On:** Insert the key into the ignition and turn it to the 'ON' position. The battery indicator lights should illuminate.
- **To Power Off:** Turn the key to the 'OFF' position and remove it.

4.2 Driving the Scooter

- **Throttle Control:** Gently press the throttle lever (usually located on the handlebar) to engage the motor and begin moving. The further you press, the faster the scooter will go.
- **Speed Adjustment:** Use the speed control dial or buttons on the control panel to set your desired maximum speed. The scooter can reach speeds up to 9 mph.
- **Steering:** Use the handlebar to steer the scooter. The Rubicon FX4 has a turn radius of 5 feet, allowing for good maneuverability.
- **Braking:** Release the throttle lever to slow down. For immediate stopping, engage the hand brake lever. Apply the brake smoothly and gradually.
- **Reversing:** If equipped with a reverse function, activate it via the control panel and apply the throttle gently to move backward.



Image: The Rubicon FX4 scooter being operated on a paved surface, illustrating its maximum travel speed of 9 miles per hour.

4.3 Folding the Scooter

The Rubicon FX4 is designed for easy folding and storage:

1. Ensure the scooter is powered off and the key is removed.
2. Follow the specific folding mechanism instructions, typically involving releasing a latch or lever near the base of the handlebar and/or seat.
3. Carefully fold the handlebar down and the seat/rear section inward until the scooter is in its compact, folded state. Ensure all locking mechanisms engage.
4. The scooter weighs approximately 55 lbs (without seat, armrests, and battery) when folded, making it manageable for transport.



Image: The Rubicon FX4 scooter shown in its fully folded configuration, ready for compact storage or transportation.

5. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your Rubicon FX4 scooter.

- **Cleaning:** Wipe down the scooter regularly with a damp cloth. Avoid using harsh chemicals or direct water spray, which can damage electrical components.
- **Battery Care:**
 - Charge the detachable lithium battery fully after each use, even if only used for a short period.
 - Do not allow the battery to completely discharge.
 - If storing the scooter for an extended period, charge the battery at least once a month to maintain its health.
 - Only use the charger provided by Rubicon.
- **Tires:** The scooter is equipped with solid tires, which do not require inflation. Periodically inspect them for wear or damage.
- **Brakes:** Regularly check the hand brake for proper function and responsiveness. If braking feels weak or inconsistent, consult a qualified technician.
- **Fasteners:** Periodically check all nuts, bolts, and other fasteners to ensure they are tight. Do not overtighten.
- **Storage:** Store the scooter in a dry, cool place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Rubicon FX4 scooter.

Problem	Possible Cause	Solution
Scooter does not power on.	Battery not charged or improperly installed; key not fully turned.	Ensure battery is fully charged and correctly seated. Turn key firmly to 'ON'.
Scooter moves slowly or lacks power.	Low battery charge; speed setting too low; excessive load.	Charge battery fully. Adjust speed setting. Reduce load on scooter.
Brakes feel weak.	Brake cable adjustment needed.	Consult a qualified technician for brake adjustment. Do not attempt if unsure.
Difficulty maneuvering in tight spaces.	User unfamiliarity with turning radius; obstacles.	Practice maneuvering in open areas. Utilize reverse function when necessary. Be aware of the 5-foot turn radius.

7. SPECIFICATIONS

Detailed technical specifications for the Rubicon FX4 Mobility Scooter:

- **Brand:** Rubicon
- **Model Name:** FX4 (Model2)
- **ASIN:** B0DR7FLR91
- **Weight (without seat, armrests, battery):** Approximately 55 lbs
- **Maximum Weight Capacity:** 265 lbs (120 kg)
- **Maximum Speed:** Up to 9 mph (14.5 km/h)
- **Range:** Up to 15 miles (24 km) per charge
- **Battery Type:** Detachable Lithium Battery
- **Battery Average Life:** 6.5 hours of continuous use
- **Wheel Type:** Solid (Front and Rear)
- **Brake Style:** Hand brake
- **Turn Radius:** 5 feet (1.5 meters)
- **Handle Type:** Adjustable Handlebar
- **Frame Material:** Aluminum, Alloy Steel
- **Manufacturer:** Innv Tech
- **Date First Available:** October 18, 2023



Image: A detailed view of the Rubicon FX4 scooter, showcasing its seat, handlebar, and integrated storage basket.

8. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or contact the seller directly. Warranty terms and conditions may vary.

If you require technical assistance, have questions about operation, or need to report a defect, please contact the Rubicon customer support or the retailer from whom you purchased the scooter. Please have your model number (FX4 or Model2) and ASIN (B0DR7FLR91) ready when contacting support.