

Rubicon FX70

Rubicon FX70 Automatic Folding Mobility Scooter User Manual

Model: FX70

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the Rubicon FX70 Automatic Folding Mobility Scooter. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new mobility device. Please read it thoroughly before first use and retain it for future reference.

The Rubicon FX70 is designed for adults seeking enhanced mobility, featuring an automatic one-click folding system for effortless portability. Its stable 4-wheel design and robust construction support users up to 300 lbs, providing a secure and comfortable ride across various terrains. Powered by a lightweight lithium battery, it offers a range of up to 12 miles per charge, making it suitable for daily use and travel.



Figure 1.1: The Rubicon FX70 Automatic Folding Mobility Scooter in its unfolded state.

Video 1.1: Official product video demonstrating the Rubicon FX70 Automatic Foldable Mobility Scooter for Adults, showcasing its features and operation.

2. SAFETY INFORMATION

Your safety is paramount. Please adhere to the following guidelines:

- **Weight Capacity:** Do not exceed the maximum weight capacity of 300 lbs (136 kg). Overloading can compromise stability and performance.
- **Terrain:** Operate the scooter on stable, level surfaces. While designed for all-terrain use, exercise caution on uneven, slippery, or steep inclines. Avoid operating in heavy rain or through standing water.
- **Battery Safety:** Use only the provided charger. Do not expose the battery to extreme temperatures or puncture it. Always charge in a well-ventilated area.
- **Operation:** Always ensure the scooter is fully unfolded and locked before use. Keep hands and feet clear of moving parts during folding and unfolding.
- **Children and Pets:** Keep children and pets away from the scooter, especially during operation or when folding/unfolding.

- **Maintenance:** Regularly inspect tires, brakes, and all moving parts. Do not operate the scooter if any component is damaged or malfunctioning.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all the following items are included:

- Rubicon FX70 Mobility Scooter (Main Unit)
- Lithium Battery Pack
- Battery Charger
- Remote Control for Automatic Folding
- User Manual (This Document)
- Ignition Key

If any items are missing or damaged, please contact customer support immediately.

4. SETUP

4.1 Unpacking

Carefully remove the scooter and all components from the packaging. Retain the packaging for potential future transport or returns.

4.2 Initial Battery Charge

Before first use, fully charge the lithium battery. Connect the charger to the scooter's charging socket (refer to Figure 5.1 for location) and then plug it into a standard wall outlet. The charging indicator on the charger will change color (e.g., red to green) when fully charged. This may take several hours.

4.3 Unfolding the Scooter

The Rubicon FX70 features an automatic one-click folding system:

1. Place the folded scooter on a flat, stable surface.
2. Press the 'Unfold' button on the remote control or the corresponding button on the scooter's control panel.
3. Allow the scooter to fully extend and lock into its operational position. Ensure all locking mechanisms are engaged before use.

AUTOMATIC FOLDABLE



Figure 4.1: The scooter demonstrating its automatic folding capability and adjustable handle bar.

4.4 Attaching the Seat and Adjusting Handlebar

The seat is designed for easy attachment and removal. Align the seat post with the receiver on the scooter's frame and push down until it is securely in place. The handlebar can be adjusted for height between 90cm and 110cm by loosening the quick-release lever, setting the desired height, and re-tightening the lever.

DETACHABLE BATTERY

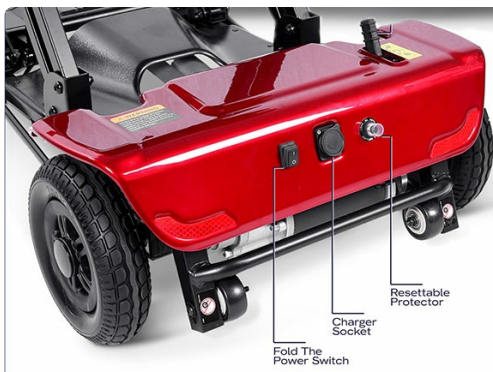


Figure 4.2: Detachable battery and foldable seat for convenient setup and storage.

5. OPERATING INSTRUCTIONS

5.1 Tiller Console Components

Familiarize yourself with the controls located on the tiller console:



CONTROL BUTTON

DESCRIPTION



TILLER CONSOLE COMPONENTS

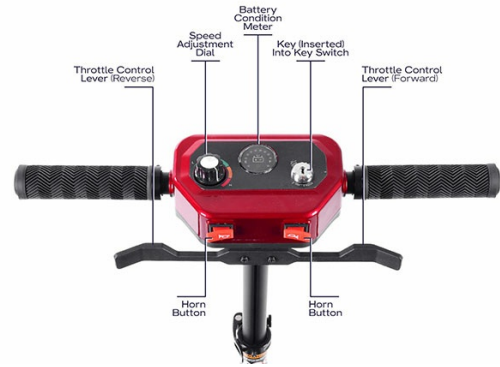


Figure 5.1: Tiller Console Components and Control Button Description.

- **Key Switch:** Insert the ignition key and turn to the 'ON' position to power on the scooter.
- **Battery Condition Meter:** Displays the current battery charge level.
- **Speed Adjustment Dial:** Rotate to increase or decrease the maximum speed.
- **Throttle Control Levers:** Press the right lever for forward motion, and the left lever for reverse. Release both to engage the electromagnetic brake.
- **Horn Buttons:** Press to activate the horn.

5.2 Driving the Scooter

1. Ensure the key is in the 'ON' position and the battery is sufficiently charged.
2. Adjust the speed dial to a comfortable setting, especially when starting.
3. Gently press the forward throttle lever to begin moving. Increase pressure for more speed.
4. To stop, release the throttle lever. The scooter will brake automatically.
5. To reverse, gently press the reverse throttle lever.
6. Use the horn when necessary to alert others.



Figure 5.2: Operating the Rubicon FX70 scooter in an outdoor environment.

5.3 Folding the Scooter for Transport/Storage

To fold the scooter:

1. Ensure the scooter is powered off and the key is removed.
2. Press the 'Fold' button on the remote control or the corresponding button on the scooter's control panel.
3. Allow the scooter to fully collapse into its compact folded position.



Figure 5.3: The Rubicon FX70 in both unfolded and folded configurations.

6. MAINTENANCE

6.1 Battery Care

- Charge the battery regularly, even if the scooter is not in frequent use, to maintain battery health.
- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place when not in use for extended periods.
- If the battery is detachable, ensure it is securely connected before operation.

6.2 Cleaning

Wipe down the scooter with a damp cloth. Avoid using harsh chemicals or abrasive cleaners. Do not spray water directly onto electrical components.

6.3 Tire Inspection

Regularly check the tires for wear, punctures, or damage. Ensure tire pressure is maintained according to specifications (if applicable, refer to tire sidewall for recommended pressure).

6.4 General Checks

Periodically inspect all nuts, bolts, and fasteners to ensure they are tight. Check that the brakes are functioning correctly and that all controls respond as expected.

7. TROUBLESHOOTING

If you encounter issues with your Rubicon FX70 scooter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Scooter does not power on	Battery is low or not connected; Key not in 'ON' position; Power switch off.	Charge battery; Ensure battery is properly connected; Turn key to 'ON'; Check main power switch.
Scooter does not move when throttle is pressed	Speed dial set to minimum; Brake engaged; Scooter not fully unfolded/locked.	Increase speed setting; Release throttle completely; Ensure scooter is fully unfolded and locked.
Automatic folding/unfolding not working	Remote battery low; Obstruction in folding mechanism; Scooter battery low.	Replace remote battery; Check for obstructions; Charge scooter battery.
Reduced range or power	Battery not fully charged; Battery degradation; Overloaded scooter.	Ensure full charge; Consider battery replacement if old; Reduce load.

If the problem persists after attempting these solutions, please contact Rubicon customer support.

8. SPECIFICATIONS

Key specifications for the Rubicon FX70 Automatic Folding Mobility Scooter:

- **Model:** FX70
- **Brand:** Rubicon
- **Weight Capacity:** Up to 300 lbs (136 kg)
- **Motor Power:** 500W
- **Battery Type:** Lithium
- **Max Range:** Up to 12 miles (19 km) per charge
- **Tire Size:** 10-inch front tires
- **Seat Width:** 17 inches (43 cm)
- **Scooter Weight (without seat/battery):** 62 lbs (28 kg)
- **Adjustable Handlebar Height:** 90cm - 110cm
- **Folding Mechanism:** Automatic One-Click

ALL TERRAIN

The Rubicon FX70 is equipped with a powerful 500W motor that will never fail you on grass, ramps, sand, mud, snow, bumpy roads, and more.



Figure 8.1: The Rubicon FX70 is equipped with a powerful 500W motor for various terrains.

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or visit the official Rubicon website. Keep your proof of purchase for warranty claims.

If you require technical assistance, have questions about operation, or need to order replacement parts, please contact Rubicon customer support. Contact details can typically be found on the product packaging or the official brand website.