

Rubicon DX11

Rubicon DX11 Reclining Foldable Electric Wheelchair User Manual

Model: DX11

1. IMPORTANT SAFETY INFORMATION

Read all instructions carefully before operating the Rubicon DX11 electric wheelchair. Failure to follow safety guidelines may result in injury or damage to the product.

- Always ensure the wheelchair is fully unfolded and locked into position before use.
- Do not exceed the maximum weight capacity of 330 lbs.
- Operate the wheelchair at a safe speed, especially in crowded areas or on uneven terrain.
- Avoid operating the wheelchair on excessively steep slopes or unstable surfaces.
- Ensure the electromagnetic brake is engaged when stopping or parking.
- Keep hands and clothing clear of moving parts.
- Always use the safety belt provided.

Critical Safety Warning: Front Wheel Retaining Bolt

It is crucial to regularly inspect the front wheel retaining bolts and nuts for tightness. Some users have reported instances where these bolts loosened, leading to the front wheel collapsing and potential falls. While the nuts are designed with a nylon-locking feature, their effectiveness may diminish over time. Consider applying a thread-locking compound (e.g., Loctite) for additional security, or consult with a qualified technician for alternative mechanical retention solutions. This inspection is vital for preventing serious injury, especially for users with limited mobility or balance.

2. PRODUCT OVERVIEW

The Rubicon DX11 is a reclining, foldable electric wheelchair designed for adults, offering extended range and versatile use. It features powerful dual motors, a robust aluminum alloy frame, and a user-friendly design for enhanced comfort and mobility.



Image: The Rubicon DX11 electric wheelchair, showcasing its design and features such as 600W engine power, reclining capability, included headrest, puncture-proof tires, and 330lb carrying capacity.

Included Items:

- 1 x Rubicon DX11 Electric Wheelchair
- 1 x 360-degree Joystick Controller
- 1 x Lithium Battery (Dual 12AH Lithium Batteries for extended range)
- 1 x Charger
- 1 x Tool Bag

3. SETUP AND INITIAL ASSEMBLY

Unfolding the Wheelchair:

1. Place the folded wheelchair on a flat, stable surface.
2. Grasp the backrest and gently pull upwards until the frame locks into its open position.
3. Ensure all locking mechanisms are securely engaged before proceeding.
4. Lower the footrest into position.

Battery Installation:

1. Locate the battery compartment, typically under the seat.
2. Insert the Lithium battery, ensuring it clicks securely into place.
3. Connect the battery cable to the wheelchair's power port.

Joystick Attachment:

1. The joystick can be mounted on either the left or right armrest.
2. Attach the joystick to the desired armrest using the provided bracket and secure it.
3. Connect the joystick cable to the designated port on the wheelchair.
4. Adjust the joystick length for comfortable operation.

Easy Storage



Ergonomic
JOYSTICK
Design



Image: The Rubicon DX11 in its folded state, demonstrating its compact design for easy storage, alongside its ergonomic joystick controller.



Image: A person easily pulling the Rubicon DX11 electric wheelchair in its folded, compact form, highlighting its portability.

4. OPERATING YOUR RUBICON DX11

Powering On/Off:

Press the power button on the joystick controller to turn the wheelchair on or off. The display will illuminate when powered on.

Driving Modes:

- **Electric Mode:** Use the joystick for powered movement. Adjust speed settings as needed.
- **Manual Mode:** To switch to manual mode, locate the red lever near the rear wheels and flip it. This disengages the motors, allowing the wheelchair to be pushed like a traditional manual wheelchair. Ensure the lever is returned to the electric mode position before attempting powered operation.

Joystick Control:

The 360-degree joystick provides responsive steering with no dead spots, allowing for easy navigation in confined spaces. Gently push the joystick in the desired direction to move. The further you push, the faster the wheelchair will move (up to the set speed limit).



Image: A user comfortably operating the Rubicon DX11 electric wheelchair outdoors next to a lake, demonstrating ease of use.

Reclining Function:

The backrest can be manually adjusted from 90° to 160° for customized comfort. Use the adjustment mechanism, typically a lever or strap located behind the backrest, to set your preferred angle. The detachable and adjustable headrest further enhances comfort.

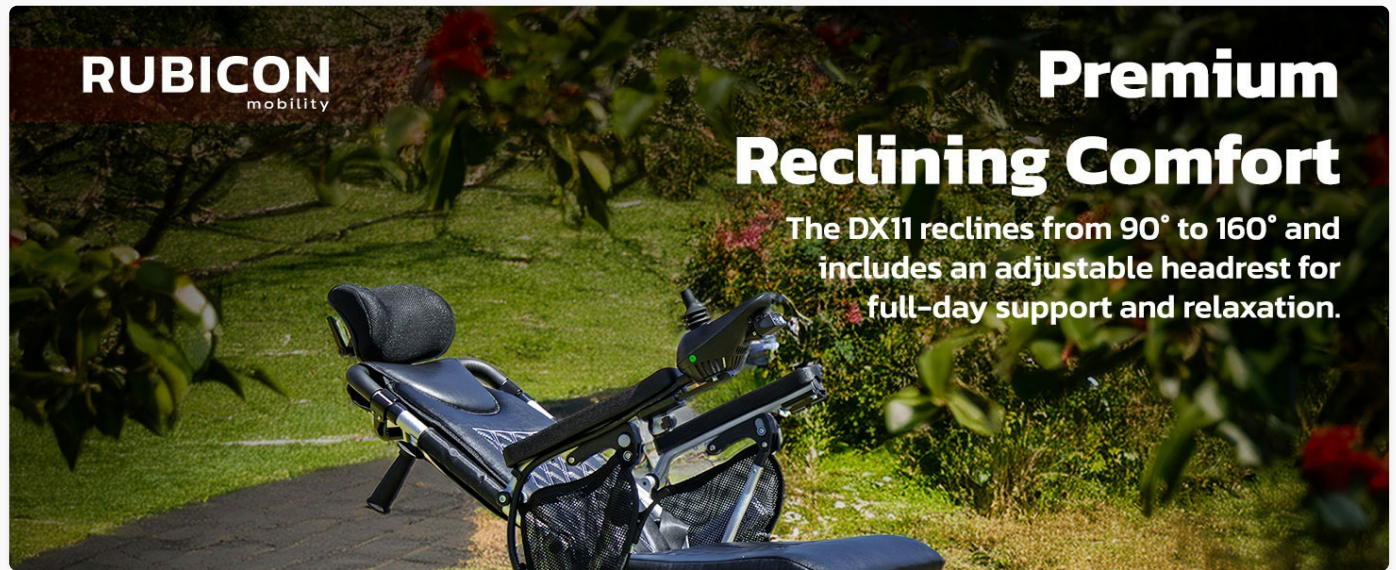


Image: The Rubicon DX11 electric wheelchair in a reclined position, illustrating its premium reclining comfort feature in a natural outdoor environment.

All-Terrain Capability:

Equipped with a 600W powerful motor and posi-traction capabilities, the DX11 is designed to handle various terrains including grass, ramps, sand, mud, snow, and bumpy roads. Its solid, puncture-proof tires provide reliable performance.

Design for **Comfort**



Non
**Pneumatic
Tires**



All
Terrain



**Brick
Floor**



**Muddy
Floor**



**Grass
Floor**



**Bumpy
Floor**

Image: The Rubicon DX11 electric wheelchair demonstrating its all-terrain design, capable of navigating brick, muddy, grass, and bumpy surfaces with non-pneumatic tires.

Small Turning Radius:

With a turning radius of only 20 inches, the DX11 maneuvers effortlessly through tight spaces, making it suitable for indoor use and fitting through standard doorways.

Bluetooth Remote Control:

The wheelchair can also be controlled remotely via Bluetooth, offering convenience for caregivers or for positioning the chair when not occupied.



Bluetooth Remote Control

Image: A graphic illustrating the Bluetooth Remote Control feature, with a hand holding the remote and the Bluetooth logo.

Official Product Video:

Your browser does not support the video tag.

Video: An official product video demonstrating the features and operation of the Rubicon DX11 Reclining Foldable Electric Wheelchair, including its small turning radius and reclining capabilities.

5. BATTERY MANAGEMENT AND CHARGING

The Rubicon DX11 is powered by high-quality Lithium-Ion cells, providing an extended range of up to 25 miles on a single charge. This makes it suitable for day-long outings.

Charging Procedure:

1. Ensure the wheelchair is turned off before charging.
2. Connect the charger to a standard electrical outlet.
3. Connect the charging cable to the charging port on the battery or the wheelchair (off-vehicle charging cable included for convenience).
4. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
5. Do not overcharge the battery. Disconnect the charger once charging is complete.

For optimal battery life, avoid completely draining the battery before recharging, and store the wheelchair with a partially charged battery if not in use for extended periods.

6. MAINTENANCE AND CARE

Cleaning:

- The breathable, removable high-density single-cell foam seat can be easily cleaned. Refer to the fabric care instructions for specific cleaning methods.
- Wipe down the frame and other surfaces with a damp cloth. Avoid using abrasive cleaners or solvents.

- Ensure all electrical components remain dry.

General Inspection:

- Regularly check all bolts, screws, and fasteners for tightness. Refer to the Critical Safety Warning regarding front wheel bolts.
- Inspect tires for wear and tear.
- Ensure the joystick operates smoothly and all buttons are functional.
- Check battery connections for corrosion or damage.

7. TROUBLESHOOTING

If you encounter issues with your Rubicon DX11, refer to the following common troubleshooting steps:

- **Wheelchair does not power on:** Ensure the battery is fully charged and correctly installed. Check all cable connections.
- **Wheelchair does not move:** Verify that the wheelchair is in electric mode (red lever disengaged). Check joystick connection. Ensure the electromagnetic brake is not stuck.
- **Reduced range or power:** The battery may need recharging or could be nearing the end of its lifespan. Ensure proper charging procedures are followed.
- **Unusual noises:** Stop using the wheelchair immediately and inspect for loose parts, obstructions, or damage. Contact customer support if the issue persists.
- **Difficulty folding/unfolding:** Ensure no cables or parts are obstructing the folding mechanism. Apply gentle force and check for any engaged locks.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact Rubicon customer support.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	DX11
Product Dimensions (D x W x H)	16"D x 27"W x 38"H (Unfolded)
Seat Depth	16 inches
Wheel Size	12 inches
Turn Radius	20 inches (as per feature bullets, 22 inches in specs, using 20 for consistency with feature)
Motor Power	2 x 250W (600W total)
Battery Type	Dual 12AH Lithium Batteries
Max Range	Up to 25 miles

Feature	Specification
Weight Capacity	330 lbs
Wheelchair Weight	64 lbs
Frame Material	Aircraft-grade Aluminum Alloy
Brake Style	Electromagnetic
Additional Features	Reclining (90°-160°), Foldable, Long Range Battery, Powerful Motor, All-Terrain Capability, Bluetooth Remote Control

9. WARRANTY AND CUSTOMER SUPPORT

Warranty Information:

Rubicon provides the following warranty coverage for the DX11 electric wheelchair:

- **Frame:** 1-year warranty
- **Motor and Joystick Controller:** 1-year warranty
- **Battery:** 6-month warranty

Please retain your proof of purchase for warranty claims.

Customer Support:

As a US (California-based) company, Rubicon is committed to providing Gold Standard Customer Support. For any questions, technical assistance, or warranty inquiries, please refer to the contact information provided with your purchase documentation or visit the official Rubicon website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question