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› KERDOM Ultralight Foldable Electric Wheelchair User Manual

KERDOM Aluminum frame-15+ Miles Lithium battery

KERDOM Ultralight Foldable Electric Wheelchair User Manual

Model: Aluminum frame-15+ Miles Lithium battery

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and care of your KERDOM Ultralight Foldable Electric Wheelchair. Please read this manual thoroughly before using the wheelchair to ensure proper function and user safety. Retain this manual for future reference.

2. PRODUCT OVERVIEW

The KERDOM Ultralight Foldable Electric Wheelchair is designed for mobility and convenience, featuring a lightweight aluminum frame and a powerful motor. It is suitable for various terrains and offers a comfortable user experience.

Key Features:

- **Ultralight & Foldable Design:** Weighs approximately 36 lbs and folds in 3 seconds for easy transport and storage.
- **Powerful Motor:** Equipped with a 360W motor for quiet and strong performance, capable of climbing slopes up to 12 degrees.
- **Safety & Comfort:** Features a 300 lbs weight capacity, anti-tip wheels, electromagnetic brakes, a cushioned seat, adjustable armrests, and foldable footrests.
- **Detachable Lithium Battery:** Provides a travel range of 15+ miles and can be charged on or off the wheelchair.
- **Adjustable 360° Joystick:** Can be installed on either the left or right side for user convenience.



Image 2.1: The KERDOM Ultralight Foldable Electric Wheelchair in both unfolded and folded configurations, highlighting its compact design.

FULLY UPGRADED WHEELCHAIR

ERGONOMIC & ULTRA-COMFORTABLE DESIGN



Breathable detachable seat cushion



Soft, removable backrest



cup holder



Adjustable angle footplates



Non-slip treaded tires



Adjustable armrests

Image 2.2: Detailed view of comfort features including breathable seat cushion, removable backrest, cup holder, adjustable footplates, non-slip tires, and adjustable armrests.

3. SETUP AND ASSEMBLY

The wheelchair arrives mostly pre-assembled. Follow these steps for initial setup.

3.1 Unfolding the Wheelchair

1. Place the folded wheelchair on a flat, stable surface.
2. Gently pull the backrest upwards until the frame locks into place.
3. Push down on the seat rails until the seat is fully extended and flat.
4. Ensure all locking mechanisms are securely engaged before use.



Image 3.1: Visual guide demonstrating the 3-second quick folding process: lifting footrests, lifting center seat cushion, and folding the back.

3.2 Attaching Footrests

The footrests are typically attached by sliding them into the designated slots on the front frame and securing them with the provided pins or levers. Ensure they are firmly in place.

3.3 Battery Installation

1. Locate the battery compartment, usually beneath the seat.
2. Slide the lithium battery into the compartment until it clicks securely.
3. Connect the battery cable to the wheelchair's power port.

3.4 Joystick Attachment

The 360° universal joystick can be mounted on either the left or right armrest. Slide the joystick bracket onto the armrest tube and tighten the securing screw. Connect the joystick cable to the corresponding port on the wheelchair.

4. OPERATION

Familiarize yourself with the joystick controls before operating the wheelchair.

4.1 Joystick Controls

360° UNIVERSAL JOYSTICK



Intelligent Control



Immediately Master



Small Turning Radius



① power start switch

② Speed indicator

③ Speed-

④ Speed+

⑤ Horn

⑥ Battery level display

⑦ 360° Control Lever

Image 4.1: Detailed diagram of the 360° universal joystick, showing the power switch, speed indicator, speed adjustment buttons, horn, battery level display, and the 360° control lever.

- **Power Switch:** Press to turn the wheelchair on or off.
- **Speed Indicator:** Displays the current speed setting.
- **Speed +/- Buttons:** Adjust the wheelchair's speed.
- **Horn:** Activates the horn for signaling.
- **Battery Level Display:** Shows the remaining battery charge.

- **360° Control Lever:** Push in the desired direction to move the wheelchair. Releasing the lever activates the electromagnetic brakes.

4.2 Driving the Wheelchair

1. Ensure the battery is charged and properly installed.
2. Press the power switch to turn on the wheelchair.
3. Adjust the speed to a comfortable level using the speed buttons.
4. Gently push the control lever in the direction you wish to move.
5. To stop, release the control lever. The electromagnetic brakes will engage automatically.



Image 4.2: Illustration of the anti-slip rubber tires and all-terrain wheels, suitable for muddy roads, city roads, lawn roads, and gravel roads.

5. BATTERY MANAGEMENT

Proper battery care ensures optimal performance and longevity.

5.1 Charging the Battery

The lithium battery can be charged while installed in the wheelchair or removed.



Image 5.1: Depicts the two charging methods: charging the removed lithium battery via an external charger, and direct plug-in charging while the battery is installed in the wheelchair.

1. Connect the charger to a standard electrical outlet.
2. Connect the charger's output plug to the battery charging port (either on the battery itself or on the wheelchair).
3. The charging indicator light on the charger will show the charging status.
4. Once fully charged, disconnect the charger.

A full charge typically takes approximately 5 hours and provides a range of 15+ miles.

UPGRADED REMOVABLE LITHIUM BATTERY

OURS

Battery Capacity: **12 Ah**

Travel Range: **15 Miles**

Long-Lasting Battery

Removable Lithium

(Safe & Portable)



OTHERS

Battery Capacity: 10 Ah

Travel Range: 10 Miles

Frequent Charging

Heavy Lead-Acid

Image 5.2: Illustrates the upgraded removable lithium battery with 12 Ah capacity and 15 miles travel range, compared to a standard 10 Ah battery with 10 miles range.

6. SAFETY GUIDELINES

Adhere to these safety guidelines to prevent accidents and ensure safe operation.

- Always wear the safety belt provided.

- Do not exceed the maximum weight capacity of 300 lbs.
- Avoid operating the wheelchair on excessively steep slopes beyond its 12° climbing angle capability.
- Be aware of your surroundings and avoid obstacles.
- Ensure anti-tip wheels are properly installed and functional.
- Do not operate the wheelchair under the influence of alcohol or medication that impairs judgment.
- Regularly check the brakes and tires for wear and tear.

SAFETY-FIRST DESIGN FOR WORRY-FREE TRAVEL



Image 6.1: Highlights safety features including a 12° climbing angle, safety belt, manual brakes, and rear anti-tip wheels.

7. MAINTENANCE AND CARE

Regular maintenance helps prolong the life of your wheelchair.

7.1 Cleaning

- Wipe down the frame and seat with a damp cloth and mild detergent.
- Avoid using abrasive cleaners or solvents.
- Ensure electrical components remain dry.

7.2 Tire Inspection

- Regularly check the PU wheels for signs of wear, cracks, or damage.
- Ensure all wheels rotate freely.

7.3 Battery Care

- Charge the battery fully after each use.
- If storing the wheelchair for an extended period, charge the battery at least once a month to maintain its health.
- Store the battery in a cool, dry place.

8. TROUBLESHOOTING

This section addresses common issues you might encounter.

8.1 Wheelchair Does Not Power On

- Check if the battery is properly installed and connected.
- Ensure the battery is charged.
- Verify the power switch on the joystick is pressed.

8.2 Wheelchair Does Not Move

- Confirm the wheelchair is powered on.
- Check the battery level display; recharge if low.
- Ensure the joystick control lever is pushed firmly in the desired direction.
- Check for any obstructions around the wheels.

8.3 Unusual Noises During Operation

- Inspect wheels for debris or loose components.
- If the noise persists, contact customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	KERDOM

Feature	Specification
Model	Aluminum frame-15+ Miles Lithium battery
Item Weight	36 Pounds
Weight Capacity	300 lbs
Motor Power	360W
Battery Type	Detachable Lithium Battery (12Ah)
Travel Range	15+ Miles
Charging Time	Approx. 5 hours
Climbing Angle	Up to 12°
Frame Material	Aluminum
Wheel Type	All-Terrain PU Wheels
Package Dimensions	26 x 15 x 3 inches

10. WARRANTY AND SUPPORT

KERDOM is committed to providing quality products and customer satisfaction.

10.1 Customer Support

For any questions, concerns, or technical assistance, please contact KERDOM customer support.

ONE TO ONE PROFESSIONAL AFTER-SALES SUPPORT



Email Support Within
24 Hours Every Day



Mon-Sun 9AM-5PM (EST)
7-Day Online Tel Support



Price Match
Refund for the Price Difference Within 30 Days



Instant Credit: Issued Once Return is
Received



Image 10.1: Information on KERDOM's professional after-sales support, including email support within 24 hours and 7-day online telephone support (Mon-Sun 9AM-5PM EST).

- **Email Support:** Available 24 hours a day, 7 days a week.
- **Online Telephone Support:** Monday - Sunday, 9 AM - 5 PM (EST).

You can also visit the official [KERDOM Store](#) for more product information and support resources.

10.2 Warranty Information

Please refer to the warranty card included with your purchase for specific details regarding warranty coverage and terms. Keep your proof of purchase for warranty claims.

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