

KERDOM KD-B02

KERDOM Foldable Electric Wheelchair KD-B02 User Manual

Model: **KD-B02** | Brand: **KERDOM**

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and care of your KERDOM Foldable Electric Wheelchair KD-B02. Please read this manual thoroughly before using the wheelchair to ensure proper understanding and to prevent potential hazards.



Image 1.1: The KERDOM Foldable Electric Wheelchair KD-B02, showcasing its compact design and joystick control.

The KERDOM KD-B02 is designed for adults requiring mobility assistance, offering a combination of portability, safety, and ease of use. Key features include a 3-second folding mechanism, a 360° joystick for precise control, and an EABS parking system for enhanced safety.

2. SAFETY GUIDELINES

Your safety is paramount. Adhere to all safety instructions to prevent injury or damage to the wheelchair.

- **EABS Parking System:** The Electronic Automatic Braking System (EABS) engages automatically when the joystick is released, providing immediate stopping power. This system also features slope-sensing technology, which automatically stops the wheelchair on inclines up to 12 degrees when the joystick is not engaged.
- **Anti-Tip Wheels:** Equipped with rear anti-tip wheels to enhance stability and prevent backward tipping, especially on inclines or uneven surfaces.
- **Seat Belt:** Always use the integrated seat belt for secure seating during operation. The seat belt features a quick-release buckle for easy fastening and unfastening.
- **Weight Capacity:** Do not exceed the maximum weight capacity of 330 lbs (150 kg).

- **Environmental Conditions:** Avoid operating the wheelchair in extreme weather conditions, such as heavy rain or snow, to prevent damage to electronic components.

EABS Slope Standing Function



Image 2.1: Illustration of the EABS slope standing function, showing the wheelchair remaining stable on an incline when the joystick is released.



Ventilate

Breathable Fabric

Three-dimensional gauze fabric, breathable and soft
Easy to clean

Image 2.2: Close-up of the seat belt design, highlighting the quick-release buckle for user convenience and safety.



Image 2.3: Depiction of the anti-roll design, showing the small rear wheels that prevent the wheelchair from tipping backward on inclines.

3. SETUP AND ASSEMBLY

The KERDOM KD-B02 is designed for quick setup. It arrives largely pre-assembled, requiring minimal steps to prepare for use.

3.1 Unfolding the Wheelchair

1. Place the folded wheelchair on a flat, stable surface.
2. Gently pull the armrests outwards to begin unfolding the frame.
3. Push down on the seat rails until the frame locks into place. Ensure all locking mechanisms are securely engaged.
4. Attach the footrests if they are not already installed.

3.2 Folding the Wheelchair for Transport/Storage

The wheelchair features a 3-step folding design for compact storage and easy transport.

1. **Step 1: Lift Cushion.** Lift the seat cushion upwards.
2. **Step 2: Tuck In The Middle.** Fold the backrest forward and push the sides of the frame inwards.
3. **Step 3: Complete Fold.** Continue to compress the wheelchair until it is fully folded and secured.



3 Steps To Complete The Folding

1 STEP



Lift Cushion

2 STEP



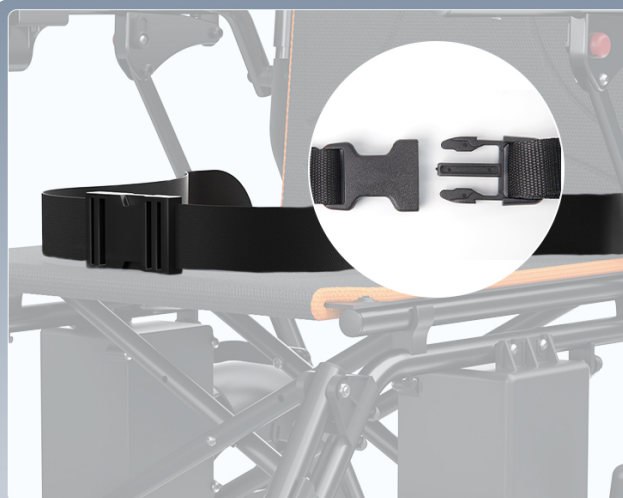
Tuck It In The Middle

3 STEP



Complete Fold

Image 3.1: Visual guide demonstrating the three steps to fold the KERDOM electric wheelchair for compact storage.



Safety Belt

Seat Belt Design

Quickly insert and remove the fastener with one hand

Image 3.2: The folded wheelchair shown fitting into a car trunk and standing upright for convenient storage.

4. OPERATING INSTRUCTIONS

The KERDOM KD-B02 is controlled via an intuitive 360° joystick, designed for ease of use and precise maneuverability.

4.1 Joystick Control

- **Power On/Off:** Press the power button on the joystick panel to turn the wheelchair on or off.
- **Movement:** Gently push the joystick in the desired direction (forward, backward, left, right) to move. The wheelchair's speed is proportional to how far the joystick is pushed.
- **Stopping:** Release the joystick to engage the EABS parking system, which will bring the wheelchair to a smooth stop.
- **Speed Adjustment:** Use the speed control buttons (+/-) on the joystick panel to adjust the maximum speed.



Image 4.1: Close-up view of the 360° flexible joystick, illustrating its ergonomic design and control buttons for intuitive operation.

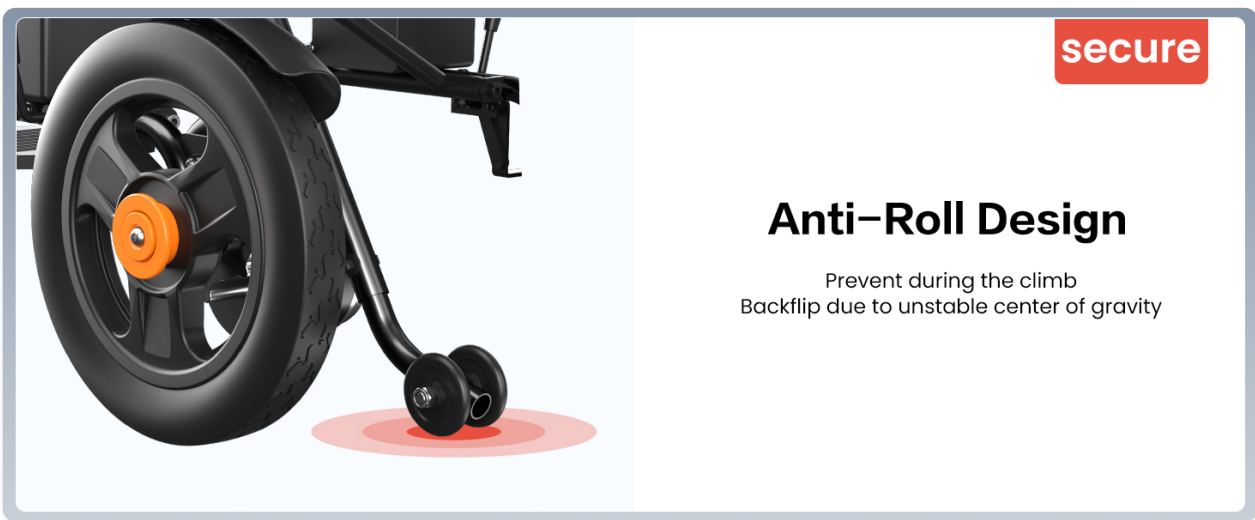


Image 4.2: Diagram showing the joystick's ability to control movement in all directions: forward, back, left, and right.

4.2 Battery Indicator and USB Charging

- The LED display on the joystick panel shows the current battery life. Monitor this regularly to avoid unexpected power loss.
- A USB charging port is integrated into the joystick for convenient charging of personal electronic devices during outings.

5. BATTERY INFORMATION AND CHARGING

The KERDOM KD-B02 is powered by a 24V/12AH Lithium battery, offering a travel range of up to 15 miles on a full charge.

5.1 Charging the Battery

- Ensure the wheelchair is turned off before charging.
- Connect the charger to the charging port on the battery pack.
- Plug the charger into a standard electrical outlet.
- The charging indicator light on the charger will change color (e.g., red to green) when charging is complete.
- Avoid overcharging; disconnect the charger once the battery is full.

5.2 Battery Range

The 15-mile travel distance allows for various activities, from short trips to the park to longer excursions to a supermarket.



Image 5.1: Graphic illustrating the 15-mile travel range and examples of destinations achievable within this distance.

6. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your electric wheelchair.

- **Cleaning:** Wipe down the frame and seat with a damp cloth. Avoid using abrasive cleaners or excessive water directly on electronic components. The breathable fabric seat cushion is easy to clean.
- **Tire Pressure:** Check tire pressure regularly (if applicable for the specific tire type). The 12-inch rear wheels are designed for durability.
- **Battery Care:** Store the battery in a cool, dry place. If storing the wheelchair for an extended period, ensure the battery is fully charged and recharge it periodically (e.g., every 1-2 months) to maintain its health.
- **Inspections:** Periodically check all bolts, nuts, and connections for tightness. Ensure the joystick operates smoothly and the brakes engage correctly.



Image 6.1: Close-up of the breathable fabric seat, highlighting its three-dimensional gauze material for comfort and ease of cleaning.

7. TROUBLESHOOTING

If you encounter issues with your KERDOM electric wheelchair, refer to the following common troubleshooting steps:

- **Wheelchair does not power on:**

- Check if the battery is properly connected and fully charged.
- Ensure the power button on the joystick is pressed firmly.

- **Wheelchair does not move:**

- Verify the joystick is functioning correctly and not stuck.
- Check for any obstructions around the wheels.
- Ensure the EABS system is not engaged due to a steep incline or an error.

- **Unusual noises during operation:**

- Inspect wheels and motors for any foreign objects.
- Ensure all components are securely fastened.


For issues not resolved by these steps, please contact KERDOM customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	KD-B02
Product Dimensions (Unfolded)	36.19"D x 24.8"W x 33.4"H
Product Dimensions (Folded)	Approximately 23.6"W x 41.4"H (when folded upright)
Item Weight	73 Pounds (approx. 57 lbs without battery)
Maximum Weight Capacity	330 lbs
Motors	Dual 250W Motors (Total 500W)
Battery Type	24V/12AH Lithium Battery
Travel Range	Up to 15 Miles
Max Incline Capability	12° (with EABS auto-stop)
Front Wheels	Dual Shock Absorption
Rear Wheels	12-inch (Big 11-inch Tires, can cross steps/stone pavement below 7cm)
Material	Iron, Plastic

Upgraded Version 500W Dual Motor

OTHERS



OTHERS Version

- ✗ Hand Brake
- ✗ Single Motor 250W
- ✗ Climbing Capacity Below 12°
- ✗ Average Endurance

OURS




upgrade

OURS Version

- ✓ EABS Automatic Braking
- ✓ Total power 500W output
- ✓ Climbing Capacity Below 30°
- ✓ Motor Life Increased By 2 Times

Image 8.1: Comparison illustrating the upgraded 500W dual motor system, highlighting improved climbing capacity and extended motor life.

Comfort



15.4"

Human Body Design

Fits the contour of the hand
Release hand pressure

Image 8.2: Detailed view of the dual 250W motors, emphasizing their role in improved climbing ability and navigation over difficult terrain.



Image 8.3: Illustration of the dual shock absorption in the front wheels and the large 12-inch rear wheels, designed for comfortable rides over varied surfaces.



Image 8.4: Close-up of the 11-inch tires, indicating their capability to cross steps or stone pavement up to 7cm high.



Image 8.5: Diagram showing the key dimensions of the wheelchair and its 300 lbs weight capacity.

9. WARRANTY AND SUPPORT


KERDOM is committed to providing reliable products and excellent customer service.






- **Warranty:** Your KERDOM electric wheelchair is backed by a **12-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
- **Customer Support:** For any queries, technical assistance, or warranty claims, please contact our **24/7 US-based customer support team**. Our quick-response team aims to resolve all inquiries within 24 hours.

For further assistance, please refer to the contact information provided with your purchase or visit the official KERDOM website.

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Related Documents - KD-B02

<p>ELECTRIC WHEELCHAIR</p> <p>User Manual</p> 	<p>Kerdom F20 Electric Wheelchair User Manual</p> <p>Comprehensive user manual for the Kerdom F20 Electric Wheelchair, detailing operation, safety guidelines, assembly, maintenance, troubleshooting, and warranty information for optimal use and care of your mobility aid.</p>
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	<p>Wheelchair Owner's Manual - Safe Operation and Maintenance</p> <p>Comprehensive owner's manual for the 8807 electric wheelchair, covering general use, safety instructions, structure, specifications, installation, battery care, folding, maintenance, troubleshooting, and warranty information.</p>
	<p>Kerdom E100L Electric Wheelchair: User Manual & Guide</p> <p>Essential instruction manual for the Kerdom E100L Electric Wheelchair. Covers safe operation, assembly, maintenance, features, and support for optimal performance and longevity.</p>
	<p>Kerdom 4-Wheel Mobility Scooter X-02 Owner's Manual</p> <p>Comprehensive owner's manual for the Kerdom 4-Wheel Mobility Scooter (Model X-02), covering assembly, operation, maintenance, safety, and warranty information.</p>
	<p>Kerdom Electric Wheelchair User Manual: Operation, Safety, and Maintenance</p> <p>Comprehensive user manual for the Kerdom electric wheelchair, covering assembly, operation, safety precautions, charging, diagnostics, maintenance, and troubleshooting. Learn how to safely and effectively use your electric wheelchair.</p>
	<p>Kerdom DX07 Carbon Power Wheelchair User Manual</p> <p>Comprehensive user manual for the Kerdom DX07 Carbon Power Wheelchair, covering specifications, operation, safety instructions, maintenance, and troubleshooting.</p>