

KERDOM KD-B02

KERDOM Foldable Electric Wheelchair KD-B02 User Manual

Model: KD-B02

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and care of your KERDOM Foldable Electric Wheelchair, Model KD-B02. Please read this manual thoroughly before using the wheelchair to ensure proper understanding of its features and functions. Retain this manual for future reference.



Image 1.1: The KERDOM Foldable Electric Wheelchair KD-B02, featuring a black frame with orange accents, a joystick control, and anti-tip wheels.

2. SAFETY INFORMATION

Your safety is paramount. Adhere to all warnings and instructions provided in this manual. Failure to do so may result in injury or damage to the wheelchair.

2.1 General Safety Guidelines

- Always ensure the wheelchair is fully unfolded and locked before use.
- Do not exceed the maximum weight capacity of 330 lbs (150 kg).
- Operate the wheelchair on stable and level surfaces whenever possible.
- Avoid sudden stops or turns, especially at higher speeds.
- Ensure the battery is adequately charged before each use.
- Keep hands and clothing clear of moving parts.
- Always use the seat belt provided.

2.2 EABS Parking System and Anti-Tip Wheels

The wheelchair is equipped with an EABS (Electromagnetic Braking System) parking system and anti-tip wheels for enhanced safety. The EABS system automatically engages when the joystick is released, providing secure braking, especially on inclines up to 12 degrees. The anti-tip wheels prevent backward tipping, increasing stability.



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



Image 2.2: Graphic detailing the intelligent brake system, highlighting features like double assurance for user safety, anti-skid wheels, and a 12-degree climbing gradient capability.

2.3 Certifications

The KERDOM KD-B02 electric wheelchair adheres to various safety and quality standards, including MSDS, CNAS, UN38.3, and UL certifications, ensuring product reliability and user safety.



Image 2.3: Display of safety certifications including MSDS, CNAS, UN38.3, and UL, indicating compliance with international safety standards.

2.4 Legal Disclaimer

Statements regarding dietary supplements have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition. This product is a mobility aid and not a medical device intended for diagnosis or treatment.

3. PRODUCT FEATURES

The KERDOM KD-B02 electric wheelchair is designed for portability, comfort, and ease of use.

3.1 Folding Design

This wheelchair features a 3-second folding design for easy transport and storage. Its lightweight frame (approximately 57 lbs) and compact size when folded make it suitable for travel.



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



Image 3.2: The folded wheelchair stored compactly in a car trunk, highlighting its portability for travel.

3.2 Dual Motor System

Equipped with dual 250W motors, providing a total of 500W power, the wheelchair offers improved climbing ability and smooth navigation across various terrains.

Upgraded Version 500W Dual Motor

OTHERS



OTHERS Version

- ⊗ Hand Brake
- ⊗ Single Motor 250W
- ⊗ Climbing Capacity Below 6°
- ⊗ Average Endurance

OURS



OURS Version

- ✓ EABS Automatic Braking
- ✓ Total power 500W output
- ✓ Climbing Capacity Below 13°
- ✓ Motor Life Increased By 2 Times

Image 3.3: Diagram illustrating the upgraded 500W dual motor system compared to a single 250W motor,

emphasizing enhanced power and durability.



Image 3.4: Detailed view of the dual 250W motors, designed for improved climbing ability and navigating difficult terrain.

3.3 All-Terrain Performance

The wheelchair is designed to handle various surfaces, including gravel, lawn, muddy roads, speed bumps, and city roads, thanks to its shock-absorbing design and 12-inch rear wheels.



Gravel road



Lawn



Muddy road



Speed bump



City road

HANDLE ALL KINDS OF PAVEMENT EASILY

Relaxed, Smooth And Comfortable

Image 3.5: Collage showing the wheelchair navigating different terrains: gravel road, lawn, muddy road, speed bump, and city road.



Image 3.6: Illustration highlighting the dual shock absorption in the front wheels and the 12-inch rear wheels, designed for easier navigation over obstacles up to 2.8 inches.

3.4 User-Friendly Design

- **Adjustable Armrests:** Designed for comfort and ease of transfer.
- **Breathable Seat Cushion:** Made from three-dimensional gauze fabric for comfort and easy cleaning.
- **USB Charging Port:** Convenient for charging personal devices during outings.



Ventilate

Breathable Fabric

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

Image 3.7: Close-up view of the breathable fabric used for the seat and backrest, emphasizing its comfort and ease of maintenance.



Comfort

Human Body Design

Fits the contour of the hand
Release hand pressure

Image 3.8: Detail of the ergonomically designed armrest, measuring 15.4 inches, intended to provide comfort and release hand pressure.

4. SETUP

4.1 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 is fully extended and locked into place. Ensure all locking mechanisms are engaged.
4. Lower the footrests into position.



Image 4.1: A detailed three-step visual guide illustrating the process of unfolding the wheelchair, from lifting footrests to securing the seat cushion and backrest.

4.2 Initial Battery Charge

Before first use, fully charge the wheelchair battery. Connect the charger to the charging port on the joystick and then to a standard electrical outlet. The LED indicator on the joystick will show charging status. A full charge typically takes several hours.

5. OPERATING INSTRUCTIONS

5.1 Joystick Control

The 360° flexible joystick provides precise control over the wheelchair's movement. The LED display on the joystick shows battery life and current speed settings.

360° Flexible Joystick



Intelligent Balance
Involuntary Sliding



Steering Sensitivity
360 No Dead Corners



Let Go And Stop
Safe Going Up And Down Hills



Security And Stability
Smooth And Not Rollover



Image 5.1: Close-up of the 360-degree flexible joystick controller, showing its intuitive design and control buttons.



Image 5.2: Diagram illustrating the joystick's directional controls for forward, back, left, and right movement.

Operating the Joystick:

- **Power On/Off:** Press the power button to turn the wheelchair on or off.

- **Forward/Backward:** Gently push the joystick forward or backward.
- **Turning:** Push the joystick left or right to steer.
- **Speed Adjustment:** Use the speed control buttons (+/-) to adjust the wheelchair's speed.
- **Braking:** Release the joystick to engage the EABS automatic brake.

5.2 Using the Seat Belt

Always fasten the seat belt before operating the wheelchair. The seat belt is designed for quick insertion and removal with one hand, providing additional security during movement.



Image 5.3: Close-up of the seat belt buckle, demonstrating its quick-release mechanism for easy fastening and unfastening.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your KERDOM electric wheelchair.

6.1 Cleaning

- Wipe down the frame with a damp cloth. Avoid using abrasive cleaners.
- The breathable seat cushion can be cleaned with mild soap and water. Ensure it is completely dry before reattaching.

6.2 Battery Care

- Charge the battery regularly, even if the wheelchair is not in frequent use, to maintain battery health.
- Avoid completely draining the battery before recharging.
- Store the wheelchair and battery in a cool, dry place.

6.3 General Inspection

- Periodically check all nuts, bolts, and fasteners for tightness.
- Inspect tires for wear and proper inflation (if applicable).
- Ensure the joystick operates smoothly and all buttons are functional.
- Verify that the EABS braking system engages correctly when the joystick is released.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your electric wheelchair.

Problem	Possible Cause	Solution
Wheelchair does not power on.	Battery is low or depleted; power cable loose; power button not pressed correctly.	Charge the battery; check all cable connections; press the power button firmly.
Wheelchair moves slowly or inconsistently.	Low battery; speed setting too low; uneven terrain.	Recharge battery; increase speed setting on joystick; move to smoother terrain.
Brakes do not engage or release properly.	Joystick not fully released; EABS system malfunction.	Ensure joystick is in neutral position; if issue persists, contact customer support.
Unusual noises during operation.	Loose components; debris in wheels/motors.	Inspect for loose parts and tighten; clear any obstructions from wheels and motors. If noise continues, contact customer support.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact KERDOM customer support.

8. SPECIFICATIONS

Feature	Detail
Model Number	KD-B02
Product Dimensions (Unfolded)	36.19"D x 24.8"W x 33.4"H
Weight	Approx. 57 lbs (without battery)
Weight Capacity	330 lbs
Motors	Dual 250W (Total 500W)
Braking System	EABS Electromagnetic Brake
Max Incline	12°
Rear Wheel Size	12 inches
Material	Iron, Plastic
Battery Type	24V/12AH Lead-Acid
Travel Distance	Up to 15 miles (approximate, depending on terrain and usage)



Image 8.1: Detailed diagram showing the key dimensions of the KERDOM electric wheelchair in both unfolded and folded states.



Image 8.2: Information graphic detailing the 24V/12AH Lead-Acid battery and the approximate 15-mile travel distance.

9. WARRANTY AND SUPPORT







KERDOM provides a 12-month warranty for the electric wheelchair. For any inquiries or support needs, please contact KERDOM's US-based customer support team. They aim to respond to all queries within 24 hours.

For further assistance, refer to the detailed user manual and video instructions provided by KERDOM.

Contact Information:

Customer Support: Available 24/7

Website: [Visit the KERDOM Store on Amazon](#)

<p>ELECTRIC WHEELCHAIR</p> <p>User Manual</p>  <p>Model: F20</p>	<p>Kerdorm F20 Electric Wheelchair User Manual</p> <p>Comprehensive user manual for the Kerdorm F20 Electric Wheelchair, detailing operation, safety guidelines, assembly, maintenance, troubleshooting, and warranty information for optimal use and care of your mobility aid.</p>
<p>OWNER'S MANUAL</p> <p>WHEELCHAIR</p> <p>Please read the manual before operating the wheelchair, maintenance and safety instructions of the wheelchair.</p>  <p>Model: 8807</p>	<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>Model: E100L</p>  <p>Model: E100L</p>	<p>Kerdorm E100L Electric Wheelchair: User Manual & Guide</p> <p>Essential instruction manual for the Kerdorm E100L Electric Wheelchair. Covers safe operation, assembly, maintenance, features, and support for optimal performance and longevity.</p>
<p>4 WHEEL MOBILITY SCOOTER</p> <p>Model: X-02</p>  <p>Model: X-02</p>	<p>Kerdorm 4-Wheel Mobility Scooter X-02 Owner's Manual</p> <p>Comprehensive owner's manual for the Kerdorm 4-Wheel Mobility Scooter (Model X-02), covering assembly, operation, maintenance, safety, and warranty information.</p>
<p>ELECTRIC WHEELCHAIR</p>  <p>Model: X-01</p>	<p>Kerdorm Electric Wheelchair User Manual: Operation, Safety, and Maintenance</p> <p>Comprehensive user manual for the Kerdorm electric wheelchair, covering assembly, operation, safety precautions, charging, diagnostics, maintenance, and troubleshooting. Learn how to safely and effectively use your electric wheelchair.</p>
<p>POWER WHEELCHAIR</p>  <p>Model: DX07</p>	<p>Kerdorm DX07 Carbon Power Wheelchair User Manual</p> <p>Comprehensive user manual for the Kerdorm DX07 Carbon Power Wheelchair, covering specifications, operation, safety instructions, maintenance, and troubleshooting.</p>