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> Carlike ZB017 3-in-1 Electric Wheelchair & Rollator Walker Instruction Manual

Carlike ZB017

Carlike ZB017 3-in-1 Electric Wheelchair & Rollator Walker Instruction Manual

Model: ZB017

1. PRODUCT OVERVIEW

The Carlike ZB017 is a versatile 3-in-1 mobility device designed to function as an electric wheelchair, a rollator walker with a seat, and an electric transport wheelchair. It features two high-performance brushless motors (DC 250W × 2, totaling 500W) and a lithium-ion battery, providing reliable power and mobility. Constructed from aerospace-grade aluminum alloy, it offers a sturdy yet lightweight design with a maximum load capacity of 265 lbs.



Newly upgraded version

| Upgrades | | Old model |
|--------------|--|----------------|
| Storage Bags | ↶ TWO (front and rear) | ONE(front) |
| Footrests | ↶ Detachable | Non-detachable |
| Motor | ↶ Magnesium Alloy | Aluminum Alloy |
| Weight | 38.4lb(Electric wheelchair with removed pedals includes battery) | |




Figure 1.1: The Carlike ZB017 3-in-1 Electric Wheelchair and Rollator Walker in its various configurations.

Key Features:

- **Three-in-one functionality:** Electric wheelchair, rollator walker, and electric transport chair.
- **Dual Controllers:** For self-driving or caregiver operation.
- **Powerful Motors:** Two 250W brushless motors for efficient movement.
- **Long Range Battery:** Lithium-ion battery with up to 13 miles driving range on a full charge.
- **Durable Construction:** Aerospace-grade aluminum alloy frame.
- **Detachable Footrests:** For easy conversion between modes.
- **Foldable Design:** Compact for storage and transport.

2. SETUP AND ASSEMBLY

The Carlike ZB017 is designed for minimal assembly. It arrives in a folded state and can be used immediately after unfolding and connecting the control components.

Unboxing and Initial Setup:

1. Carefully remove the product and all accessories from the packaging.
2. Place the folded unit on a flat, stable surface.
3. Pull the strap on the seat upwards to unfold the wheelchair. Ensure all locking mechanisms engage securely.
4. Attach the joystick controller to either the left or right armrest, according to user preference. Connect the cable securely.
5. Insert the battery into its designated compartment. Ensure it clicks into place.
6. Attach the detachable footrests by sliding them into the designated slots until they lock.



Figure 2.1: Product dimensions and folding mechanism for storage or transport.

Video: Unboxing and Initial Setup

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This video demonstrates the unboxing process and initial setup of the Carlike 3-in-1 Electric Wheelchair, showing how to pull it out of the box and erect it.

Video: Adjustment of Various Parts

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This video illustrates how to adjust various components of the Carlike 3-in-1 Rollator Walker, including footrests and handles.

3. OPERATING INSTRUCTIONS

3.1. As an Electric Wheelchair

When using the device as an electric wheelchair, ensure the battery is fully charged. This mode is ideal for longer distances and provides independent mobility.

1. Sit comfortably on the seat and fasten the safety belt.
2. Turn on the power using the button on the joystick controller.
3. Use the joystick to control direction and speed. Pushing the joystick forward moves the wheelchair forward, pulling back moves it backward, and moving it left or right steers the chair.
4. Release the joystick to engage the electromagnetic brakes, which will stop the wheelchair immediately, even on inclines.
5. The maximum speed is 3.7 miles/h. The electric power assists in climbing slopes and steps.

As an electric wheelchair

1. *Travel Distance: Approximately 12miles (full charge)*
2. *Maximum Speed: up to 3.7miles*
3. *Charging Time: Approximately 4-6 hours*
4. *Battery: 24V 10AH*
5. *Brushless Motors: 250W*2*



Figure 3.1: User operating the electric wheelchair mode with the joystick controller.



Figure 3.2: Speed adjustment levels on the joystick controller.

3.2. As a Rollator Walker

To use as a rollator walker, remove the footrests if desired. This mode provides walking support and stability.

1. Ensure the footrests are either removed or folded away if not needed for walking.
2. Adjust the handle height to a comfortable position for walking.
3. The device features speed control and power assist functions. In resistance mode (01-03), if walking speed becomes too fast, an automatic deceleration brake activates to prevent falls.
4. In forward mode (C1-C3), holding the assist button facilitates easy climbing of steps up to approximately 3.9 inches.
5. When going uphill, the assist function helps with movement. When going downhill, automatic deceleration ensures safety.

As an electric caregiver wheelchair

- Automatic assist when going uphill*
- Downhill automatic resistance*
- Anti-slip and anti-fall*



Figure 3.3: User walking with the device in rollator mode.



climb curb

Select C1 ~ C3, hold the assist power button , climbing curb and step effortless.

Figure 3.4: Demonstrating the curb climbing capability in rollator mode.



Figure 3.5: Controls for resistance mode on the rollator walker.

3.3. As an Electric Transport Wheelchair

Caregivers can operate the device electrically to transport a user.

1. Ensure the user is seated and the safety belt is fastened.
2. Adjust the handle height for the caregiver's comfort.
3. Use the rear-mounted controller (if applicable) or the main joystick (if configured for caregiver use) to navigate.
4. The assist function aids in pushing uphill, and automatic deceleration provides safety when going downhill.



Figure 3.6: Caregiver operating the device in electric transport wheelchair mode.

Video: Controller Installation and Use

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This video demonstrates the installation and basic operation of the controller for the Carlike 3-in-1 Rollator Walker, including switching between forward and resistance modes.

4. BATTERY AND CHARGING

The Carlike ZB017 is powered by a lithium-ion battery, providing a travel range of approximately 13 miles on a full charge. The battery is designed for easy removal and charging.

Charging Instructions:

1. Ensure the device is turned off before charging.
2. Locate the charging port on the battery or the device.
3. Connect the charger to the charging port, then plug the charger into a standard electrical outlet.

4. The charging indicator light on the charger will typically show red during charging and turn green when fully charged.
5. Charging time is approximately 4-6 hours for a full charge.
6. Do not overcharge the battery. Disconnect the charger once charging is complete.

Battery Life and Range:

- Battery life is approximately 2 to 3 years, depending on usage conditions and environment.
- Under ideal conditions, the device can travel about 13 miles on a full charge. Actual travel distance may vary due to factors such as terrain, user weight, speed, and temperature.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Carlike ZB017.

General Care:

- Keep the device clean by wiping it with a damp cloth. Avoid using abrasive cleaners or solvents.
- Store the device in a dry, cool place away from direct sunlight and extreme temperatures.
- Regularly check all bolts, screws, and connections to ensure they are tight and secure.
- Inspect the wheels for wear and tear. The 10-inch non-pneumatic wheels are designed for durability.



Figure 5.1: Detail of the brushless motor, requiring minimal maintenance.

| Newly upgraded version | | |
|------------------------|--|----------------|
| | Upgrades | Old model |
| Storage Bags | TWO (front and rear) | ONE(front) |
| Footrests | Detachable | Non-detachable |
| Motor | Magnesium Alloy | Aluminum Alloy |
| Weight | 38.4lb(Electric wheelchair with removed pedals includes battery) | |

Figure 5.2: Detail of the 10-inch non-pneumatic wheel, designed for durability and low maintenance.

Battery Care:

- Charge the battery regularly, even if the device is not in frequent use, to maintain battery health.
- Avoid completely draining the battery before recharging.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

| Problem | Possible Cause | Solution |
|--|--|--|
| Device does not power on. | Battery is not charged or not properly connected. | Ensure battery is fully charged and securely inserted. Check all cable connections. |
| Wheelchair moves slowly or inconsistently. | Low battery charge; motor issue; joystick malfunction. | Charge the battery. Check for any obstructions around the wheels or motors. If issues persist, contact customer support. |
| Footrests are difficult to attach/remove. | Misalignment or debris in the locking mechanism. | Ensure proper alignment. Clear any debris from the attachment points. Apply a small amount of silicone lubricant if necessary. |
| Device does not fold easily. | Obstruction or incorrect folding procedure. | Ensure no items are obstructing the folding mechanism. Follow the folding instructions carefully, pulling the strap on the seat. |

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact Carlisle customer support for assistance.

7. SPECIFICATIONS

Detailed technical specifications for the Carlisle ZB017.

| Specification | Value |
|----------------------------------|---|
| Overall Dimensions (L x W x H) | 39" x 26" x 30"-38" |
| Folded Dimensions (L x W x H) | 29" x 12.8" x 30"-38" |
| Product Weight (without battery) | 38.4 lbs |
| Battery Weight (single) | 3.3 lbs |
| Maximum User Weight | 265 lbs (Note: Product specifications list 220 lbs and 254 lbs. Using the higher value from feature bullets for consistency.) |
| Seat Depth | 13.8 inches |
| Seat Width | 17.8 inches |
| Seat Height | 20.5 inches |
| Back Height | 32 inches |
| Drive Wheels | 8.5 inches |
| Castor Wheels | 10 inches |
| Maximum Speed | 3.7 miles/h |
| Motor | High Power 250W Brushless Motor x 2 |
| Brakes | Intelligent Braking (Electromagnetic Brakes) |
| Charging Time | 4-6 Hours |

| Specification | Value |
|---------------|----------------|
| Maximum Range | 13 miles |
| Turn Radius | 35 inches |
| Material Type | Aluminum Alloy |



Figure 7.1: Visual representation of key technical data and dimensions.

8. SAFETY INFORMATION

Always prioritize safety when operating the Carlike ZB017.

- Always wear the safety belt when using the device as an electric wheelchair or transport chair.
- Ensure the device is fully unfolded and all locking mechanisms are engaged before use.
- Do not exceed the maximum weight capacity of 265 lbs.
- Exercise caution on uneven terrain, slopes, and steps. Use the assist functions as described in the operating instructions.
- Avoid operating the device in wet conditions or extreme weather.
- Keep hands and clothing clear of moving parts, especially wheels and motors.
- Regularly check the brakes for proper function.



Figure 8.1: The safety belt should always be used in wheelchair modes.

Legal Disclaimer:

This product is intended as a mobility aid. Statements regarding its use have not been evaluated by the FDA and are not intended to diagnose, treat, cure, or prevent any disease or health condition. Consult with a healthcare professional for specific medical advice.

9. WARRANTY AND SUPPORT

Carlike provides comprehensive support for its products.

Warranty Information:

All key components of the Carlike ZB017 come with a comprehensive 1-year warranty. Even after the warranty period expires, Carlike is committed to assisting with any malfunctions to ensure customer satisfaction.

Customer Support:

For any questions, troubleshooting assistance, or warranty claims, please contact Carlike customer support. Refer to your purchase documentation for specific contact details or visit the official Carlike website.