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› loktch HE702-1 Electric Wheelchair User Manual

loktch HE702-1

loktch HE702-1 Electric Wheelchair User Manual

Model: HE702-1

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, maintenance, and care of your loktch HE702-1 Electric Wheelchair. Please read this manual thoroughly before using the wheelchair and retain it for future reference.

The loktch HE702-1 is a lightweight, foldable electric wheelchair designed for adults, offering enhanced mobility and convenience. It features an aluminum alloy frame, a powerful DC motor, and an intelligent joystick controller.

2. PRODUCT OVERVIEW

The loktch HE702-1 Electric Wheelchair is constructed from high-quality aluminum alloy, ensuring both lightweight design and durability. It is equipped with features designed for user comfort and ease of use across various terrains.



Figure 2.1: The loktch HE702-1 Electric Wheelchair, shown both unfolded and compactly folded for transport.



Aluminium frame
Carbon fibre transfers

Honeycomb tyres
Fearlessness over hurdles
Shock and blast protection

Branded Li-ion battery
Long range without anxiety

Figure 2.2: Key components and materials, including the aluminum frame, carbon fiber transfers, honeycomb tires, and branded Li-Ion battery.



Figure 2.3: Close-up of comfort features such as the breathable seat cushion and ergonomic backrest, along with rear anti-sway wheels and the durable honeycomb tire.

3. SETUP INSTRUCTIONS

Follow these steps to prepare your electric wheelchair for use:

1. **Unpack the Wheelchair:** Carefully remove the electric wheelchair from its packaging.
2. **Attach Footrests:** The footrests may be detached for shipping. Align the footrest posts with the corresponding slots on the wheelchair frame and secure them.
3. **Install Controller:** The controller can be installed on either the left or right side armrest. Pull out the controller expansion tube, remove the screws from the armrest, remove the plastic base, install the controller plastic base, and tighten the screws.
4. **Connect Battery:** Ensure the battery is properly inserted and the power cable is securely plugged in.
5. **Secure Cables:** Secure any loose power cables to the support frame using binding tape to prevent interference with moving parts.
6. **Initial Checks:** Before first use, ensure all connections are secure and the wheelchair is on a flat, stable surface.

Video 3.1: This video demonstrates the detailed assembly process, including attaching the controller, connecting the battery,

and securing cables.

4. OPERATING INSTRUCTIONS

The loktch HE702-1 Electric Wheelchair is equipped with an intelligent 360-degree joystick controller for intuitive navigation.

4.1. Controller Functions



Figure 4.1: The intelligent joystick controller features a 360-degree joystick, power switch, power display, horn button, speed gear display, acceleration and deceleration controls, and a USB charging port.

- **Power Switch:** Turns the wheelchair on/off.
- **Power Display:** Indicates the current battery level.
- **Horn Button:** Activates the horn for safety.
- **Speed Display:** Shows the current speed setting.
- **Acceleration/Deceleration:** Adjusts the speed of the wheelchair.
- **360-degree Joystick:** Provides precise control over direction and movement.
- **USB Charging Port:** Convenient for charging mobile devices.

4.2. Driving and Braking

To operate the wheelchair, ensure it is in electric mode. Use the joystick to navigate. The wheelchair features

a smart brake system that automatically engages when the joystick is released, even on inclines. For additional safety, auxiliary handbrakes are located on both sides.

Release the controller to brake automatically

Auto-start protection mode in power failure, multiple protection design for more protection during driving.



Handbrake on both sides for double protection and safety

15° CLIMBING GRADIENT



Figure 4.2: The wheelchair's automatic braking system is effective on inclines, complemented by dual handbrakes for enhanced safety.

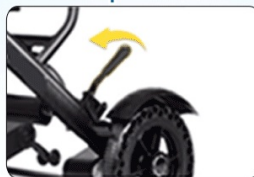
New Smart Brake

automatically parks the car even when there's no power.

Reverse anti-rollback wheels



Handbrake on both sides
Dual protection



Release the controller
Auto Brake



Figure 4.3: The New Smart Brake system automatically parks the wheelchair even without power, featuring reverse anti-rollback wheels and dual handbrakes for comprehensive protection.

4.3. Manual Mode

To switch to manual mode, flip the switch located near the motor when the wheelchair is stationary. This allows a caregiver to push the wheelchair.

5. FOLDING AND STORAGE

The loktch HE702-1 is designed for easy folding and portability.

5.1. Folding Steps

1. Remove the footrests by pressing the release buttons and pulling them away.
2. Remove the seat cushion and backrest cushion.
3. Unplug the battery cable and lift out the battery.
4. Lift the battery carrier up with your feet.
5. Lift the sitting cloth up with both hands, one in front of the other.
6. Squeeze the wheelchair frame firmly with both hands on the left and right sides to initiate folding.
7. Press the trigger on the armrest to fold it down.



Figure 5.1: Visual guide to the folding process, showing how to open the latch, bring the front and back sections together, and achieve complete folding.

Video 5.1: This video demonstrates the folding and unfolding of the wheelchair, including placing it into a car trunk, highlighting its portability.



Figure 5.2: The compact folded size allows for easy storage in a car trunk, facilitating travel and transport.

6. BATTERY AND CHARGING

The wheelchair is powered by an upgraded 20Ah battery, providing a travel range of up to 25 miles.

6.1. Charging Methods

The loktch HE702-1 offers two convenient charging methods:

- **Direct Charging via Controller:** The battery can be charged directly through the controller while it is attached to the wheelchair.
- **Off-board Charging:** The battery can be easily removed from the wheelchair and charged separately.



Figure 6.1: Illustration of the two charging options: charging the battery while installed via the controller, or removing the battery for separate charging.

7. MAINTENANCE

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

- **Cleaning:** Wipe down the frame and seating surfaces with a damp cloth. Avoid using abrasive cleaners.
- **Tire Inspection:** The wheelchair features honeycomb shock-absorbing tires that do not require inflation. Regularly inspect them for wear or damage.
- **Battery Care:** Keep the battery charged and avoid complete discharge. Store the battery in a cool, dry place if not in use for extended periods.
- **Connections:** Periodically check all electrical connections and fasteners to ensure they are secure.

8. TROUBLESHOOTING

If you encounter any issues with your loktch HE702-1 Electric Wheelchair, consider the following basic troubleshooting steps:

- **Wheelchair not powering on:** Check if the battery is fully charged and properly connected. Ensure the power switch on the controller is in the 'on' position.
- **Wheelchair not moving:** Verify that the joystick is correctly installed and connected. Ensure the wheelchair is not in manual mode.
- **Unusual noises:** Inspect wheels and moving parts for any obstructions or loose components.

For persistent issues, please contact customer support.

9. SPECIFICATIONS

Key specifications for the loktch HE702-1 Electric Wheelchair:

- **Material:** High-quality Aluminum Alloy with Carbon Fibre surface coating.
- **Motor:** 180W/24V brushed permanent magnet DC motor.
- **Battery:** Upgraded 20Ah Li-Ion battery.
- **Travel Range:** Up to 25 miles.
- **Tires:** Honeycomb shock-absorbing tires.
- **Product Dimensions:** 33.4"D x 22.4"W x 36.2"H.
- **Item Weight:** 12.5 Kilograms (27.56 Pounds).
- **Color:** Black.



Figure 9.1: Visual representation of the wheelchair's dimensions and key components like the PU armrest, handbrake, folding lock, and the 180W/24V brushed motor.

10. SAFETY INFORMATION

Always prioritize safety when operating the electric wheelchair.

- Ensure the wheelchair is fully assembled and all components are secure before use.
- Always use the seatbelt provided.
- Avoid operating the wheelchair on excessively steep slopes or uneven terrain beyond its capabilities.
- Be aware of your surroundings and avoid distractions while operating.
- Regularly check the brakes and tires for proper function.

10.1. 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.

11. WARRANTY AND SUPPORT

loktech is committed to providing excellent customer support.

- **Warranty:** The product includes one year of customer support.
- **Contact:** If you encounter any problems when using the folding electric wheelchair, please feel free to contact us for assistance.