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EPHESUS L3

Ephesus L3 Ultra Lightweight Electric Wheelchair User Manual

Model: L3

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1. INTRODUCTION

This manual provides essential instructions for the safe and effective use, setup, operation, and maintenance of your Ephesus L3 Ultra Lightweight Electric Wheelchair. Please read this manual thoroughly before operating the wheelchair to ensure proper function and user safety.

The Ephesus L3 is designed as an ultra-lightweight, foldable electric wheelchair, weighing approximately 30 lbs (13.61 kg). It is intended to provide mobility support for adults and the elderly, suitable for daily commuting and travel on flat surfaces.

Ultra Lightweight Electric Wheelchair



Image: The Ephesus L3 Electric Wheelchair in a folded state, highlighting its compact and lightweight nature, weighing only 30 lbs.

2. SAFETY INFORMATION

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

- **Weight Capacity:** Do not exceed the maximum weight capacity of 220 lbs (99.79 kg). Overloading can compromise stability and performance.
- **Operating Environment:** The Ephesus L3 is optimized for flat surfaces with a maximum climbing degree of 6 degrees. Avoid steep inclines, uneven terrain, or obstacles that exceed this limit.
- **Braking System:** The wheelchair features a dual braking system: an electromagnetic brake for automatic stopping when the joystick is released, and a hand brake for additional security when parked. Always engage the hand brake when stationary.
- **Joystick Sensitivity:** The joystick is sensitive. Practice in a safe, open area before operating in crowded or complex environments.
- **Battery Safety:** Use only the provided charger and battery. Do not attempt to modify the battery or charger.
- **Supervision:** Individuals with cognitive impairments should be supervised during operation.
- **Not for Full Dependency:** This wheelchair is intended as a lightweight mobility aid for day-to-day activities and is not designed for individuals entirely dependent on electric wheelchairs.

Safe and Comfortable Driving



Electromagnetic Brake and



Handbrake



6° Climbing

Image: Illustration of the Ephesus L3 Electric Wheelchair highlighting its electromagnetic brake and handbrake for secure stopping and parking.

3. PRODUCT OVERVIEW AND COMPONENTS

The Ephesus L3 is engineered for portability and ease of use. Key components include:

- **Frame:** Ultra-lightweight, foldable aluminum frame.
- **Joystick Controller:** Provides 360-degree control, speed adjustment, power on/off, and battery level indication.
- **Motor:** Integrated electric motors for propulsion.
- **Wheels:** Front 8-inch solid wheels and rear 12-inch pneumatic wheels.
- **Battery:** Detachable 25.9V / 5.2Ah lithium-ion battery.
- **Brakes:** Electromagnetic brake and manual hand brake.
- **Seat and Backrest:** Comfortable seating with polyurethane material.
- **Footrest:** Integrated for user comfort.

**Weight
Capacity
220 lbs**



Image: An elderly woman comfortably seated in the Ephesus L3 Electric Wheelchair, demonstrating its capacity to support up to 220 lbs and a driving range of 10 miles.

4. SETUP INSTRUCTIONS

Follow these steps to prepare your Ephesus L3 for first use:

1. **Unfolding:** Carefully unfold the electric wheelchair. Ensure all locking mechanisms are securely engaged.
2. **Battery Installation:** Insert the fully charged battery into its designated compartment. Ensure it clicks into place.
3. **Joystick Attachment:** Attach the joystick controller to the armrest. Ensure it is firmly connected.
4. **First Charge:** Fully charge the battery before initial use. Refer to the "Battery Information" section for charging details.
5. **Familiarization:** Before operating, familiarize yourself with the joystick controls, power buttons, and braking system in a safe, open environment.
6. **Weight Check:** Ensure the user's weight does not exceed the 220 lbs (99.79 kg) limit.

5. OPERATING INSTRUCTIONS

The Ephesus L3 is controlled via an intuitive joystick. Always ensure you are in a safe environment before

operating.

5.1 Powering On/Off

- To power on, press the power button on the joystick controller. The battery indicator lights will illuminate.
- To power off, press and hold the power button until the lights turn off.

5.2 Driving with the Joystick

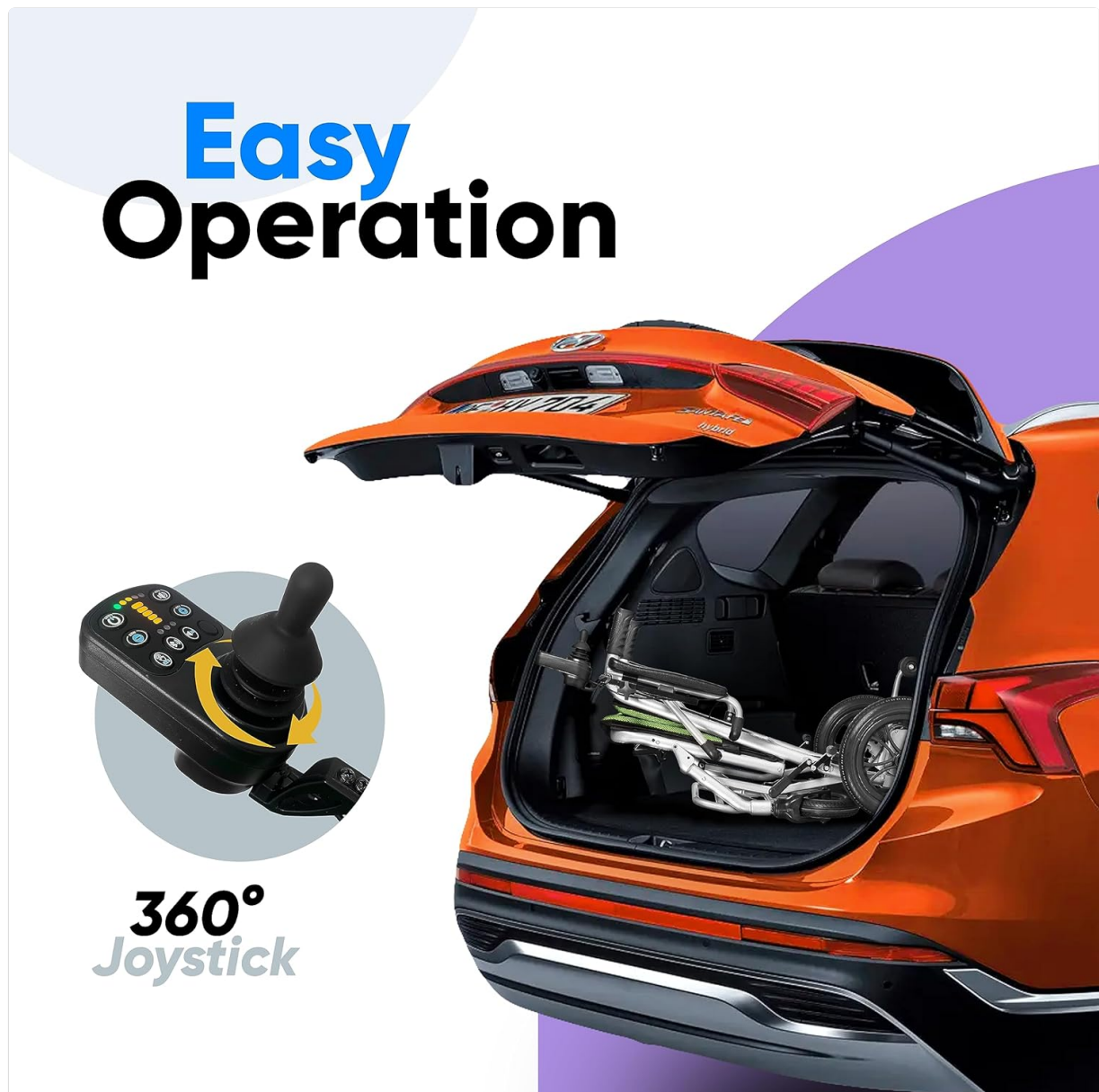
- Gently push the joystick in the desired direction (forward, backward, left, right).
- The further you push the joystick, the faster the wheelchair will move, up to a maximum speed of 3.70 mph.
- Release the joystick to stop. The electromagnetic brake will automatically engage.

5.3 Speed Adjustment

Use the speed adjustment buttons on the joystick to increase or decrease the maximum speed setting. Start with a low speed until you are comfortable with the controls.

5.4 Using the Hand Brake

The hand brake is located on the rear wheels. Engage it when parking the wheelchair or when additional stability is required, especially on slight inclines.



6. BATTERY INFORMATION

The Ephesus L3 is powered by a detachable 25.9V / 5.2Ah lithium-ion battery, providing a driving range of up to 10 miles on a single charge.

6.1 Charging the Battery

- Connect the charger to the battery charging port.
- Plug the charger into a standard electrical outlet.
- The charging indicator on the charger will show the charging status (e.g., red for charging, green for fully charged).
- Allow the battery to fully charge before each use for optimal performance and range.

6.2 Battery Care and Maintenance

- Avoid completely draining the battery. Charge it regularly.
- Store the battery in a cool, dry place when not in use.
- If storing for an extended period, charge the battery to approximately 50% every few months.
- Do not expose the battery to extreme temperatures.
- An additional battery can be purchased separately to extend mobility range.



Image: A hand demonstrating the removal of the detachable 25.9V / 5.2Ah battery from the Ephesus L3 Electric Wheelchair.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Ephesus L3 wheelchair.

- **Cleaning:** Wipe down the frame and seat with a damp cloth. Avoid using abrasive cleaners or excessive water.
- **Wheel Inspection:** Regularly check the wheels for wear and tear. Ensure pneumatic tires are properly inflated (if applicable).
- **Brake Check:** Periodically test both the electromagnetic and hand brakes to ensure they are functioning correctly.
- **Connections:** Verify that all electrical connections, especially the joystick and battery connections, are secure.
- **Folding Mechanism:** Keep the folding mechanism clean and free of debris to ensure smooth operation.

8. TROUBLESHOOTING

If you encounter issues with your Ephesus L3, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Wheelchair does not power on.	Battery is not charged or not properly installed.	Ensure battery is fully charged and securely connected. Check power button.
Wheelchair moves slowly or inconsistently.	Low battery charge; speed setting too low; uneven terrain.	Charge battery; increase speed setting on joystick; move to a flatter surface.
Joystick unresponsive.	Loose connection; joystick malfunction.	Check joystick cable connection. If issue persists, contact customer support.
Brakes not engaging properly.	Hand brake not fully engaged; electromagnetic brake issue.	Ensure hand brake is fully engaged. If electromagnetic brake fails, cease use and contact support.

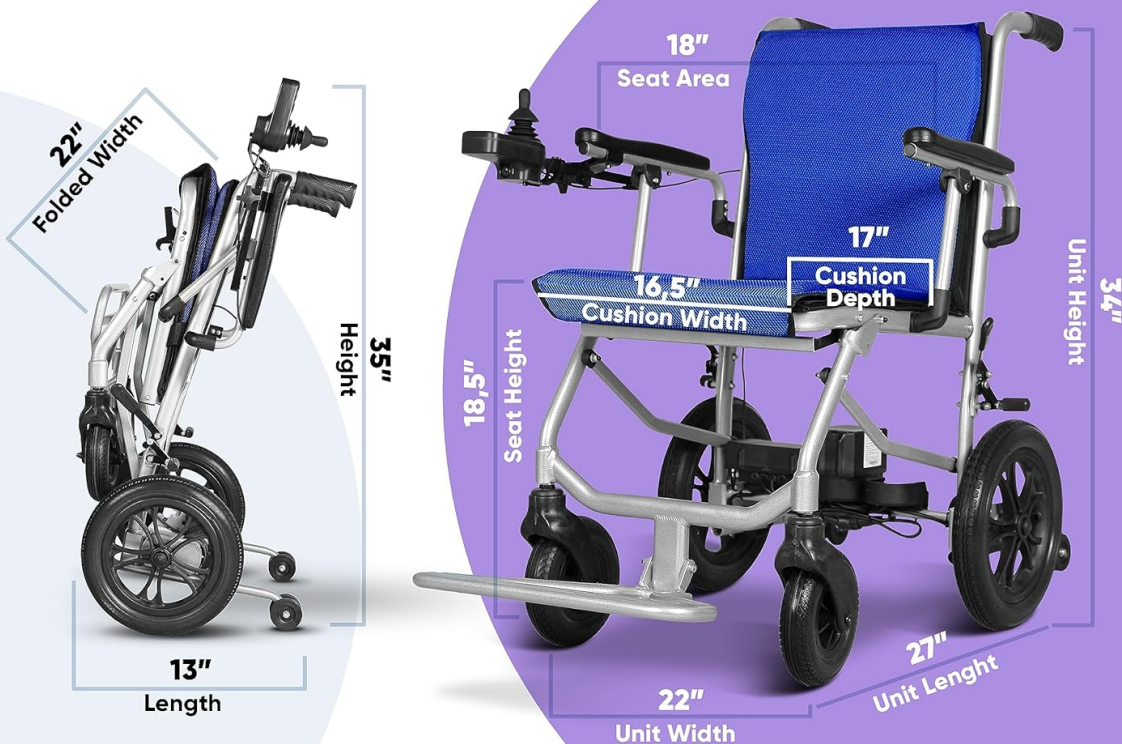
For issues not listed here or if troubleshooting steps do not resolve the problem, please contact Ephesus customer support.

9. SPECIFICATIONS

Detailed specifications for the Ephesus L3 Electric Wheelchair:

Feature	Detail
Model Name	Ephesus L3
Product Dimensions (Unfolded)	27" Length x 22" Width x 34" Height
Product Dimensions (Folded)	13" Length x 22" Width x 35" Height
Item Weight (with battery)	13.61 kg (Approx. 30 lbs)
Maximum Weight Recommendation	99.79 kg (220 lbs)
Battery Type	1 x 25.9V / 5.2Ah Lithium-ion
Driving Range	Up to 10 miles (16 km)
Maximum Speed	3.70 mph (5.95 km/h)
Climbing Degree	6 degrees
Brake Style	Electromagnetic and Hand Brake
Front Wheel	8-inch solid
Rear Wheel	12-inch pneumatic
Seat Height	18.5 Inches
Cushion Width	16.5 Inches
Material	Polyurethane

Dimension Chart



Unfolded: 27" x 22" x 34"	Load: 220 lbs	Front wheel: 8" solid
Folded: 13" x 22" x 35"	Cushion width: 16.5"	Battery: 1 x 25.9v /5.2Ah
Weight with Battery: 35 lbs	Seat height: 18.5"	Rear wheel: 12" pneumatic

Image: A detailed dimension chart for the Ephesus L3 Electric Wheelchair, providing measurements for unfolded and folded states, seat area, cushion width, and wheel specifications.

10. WARRANTY AND SUPPORT

Ephesus provides the following warranty for your L3 Electric Wheelchair:

- **Wheelchair Parts:** 1-year warranty on all parts (excluding the battery).
- **Battery:** 6-month warranty on the battery.

This warranty covers manufacturing defects under normal use. It does not cover damage resulting from misuse, accidents, or unauthorized modifications.

Customer Support: If you experience any issues, require replacement parts, or have questions regarding your Ephesus L3 Electric Wheelchair, please contact Ephesus customer service. For shipping-related damages, contact us immediately upon receipt.

Note: As per the product information, this budget-friendly model may require customer-handled return labels. Contact customer service for assistance with return label costs if applicable.