

VERPAL YL9000-1

VERPAL Electric Wheelchair YL9000-1 User Manual

Model: YL9000-1

1. INTRODUCTION

Welcome to the VERPAL Electric Wheelchair YL9000-1 user manual. This document provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new electric wheelchair. Please read this manual thoroughly before using the product to ensure proper function and user safety.

The VERPAL YL9000-1 is designed to provide enhanced mobility and independence for adults and seniors. It features a foldable design, powerful dual motors, and an intuitive control system for various terrains.

2. SAFETY INFORMATION

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

General Safety Precautions:

- Always ensure the wheelchair is fully unfolded and locked before use.
- Do not exceed the maximum weight capacity of 330 pounds.
- Operate the wheelchair on stable and level surfaces whenever possible. Avoid steep inclines beyond the specified climbing angle (12 degrees).
- Always wear the seat belt provided.
- Keep hands and clothing clear of moving parts, especially wheels and folding mechanisms.
- Do not operate the wheelchair under the influence of alcohol or medication that impairs judgment.
- Ensure the battery is properly charged before each use to avoid unexpected power loss.

- Regularly inspect tires for wear and proper inflation.

Braking System:

The VERPAL YL9000-1 is equipped with an electromagnetic braking system that automatically engages when the joystick is released, providing reliable stopping power.

3. PRODUCT OVERVIEW

The VERPAL YL9000-1 electric wheelchair combines robust construction with user-friendly features for optimal mobility.



Figure 3.1: The VERPAL YL9000-1 Electric Wheelchair, unfolded and ready for use.

Key Components:

- **Joystick Controller:** Provides 360-degree control for movement and speed adjustment.
- **Dual Motors:** Two 500W motors for powerful and efficient propulsion.
- **Lithium Battery:** 25Ah 600Wh battery offering up to 25 miles of travel range.

- **Foldable Frame:** Lightweight aerospace-grade alloy construction for easy folding and transport.
- **Puncture-Resistant Tires:** Durable tires suitable for various terrains.
- **Seat Belt:** For enhanced user safety.
- **Anti-Tip Wheels:** Provides stability on inclines.

Superior Performance



Speed
4Mile/H



Control Joystick
360°



Travel Range
25Mile



Motor power
24V 500W



Figure 3.2: Superior performance features of the VERPAL electric wheelchair.

25 Miles Travel Range



Figure 3.3: Illustration of the 25-mile travel range for diverse environments.

4. SETUP AND ASSEMBLY

The VERPAL YL9000-1 arrives mostly assembled. Follow these steps for initial setup:

1. **Unpacking:** Carefully remove the wheelchair from its packaging.
2. **Unfolding:** Gently unfold the wheelchair until it clicks into its fully open position. Ensure all locking mechanisms are engaged.
3. **Joystick Installation:** Attach the joystick controller to the desired armrest (left or right) and secure it. Connect the joystick cable to the corresponding port on the wheelchair.
4. **Battery Connection:** Ensure the battery is securely placed and connected.

5. **Motor Engagement:** Locate the motor engagement levers on the rear wheels. Push them into the 'engaged' position for electric operation. For manual pushing, disengage the motors.
6. **First Charge:** It is recommended to fully charge the battery before the first use. Refer to Section 5 for charging instructions.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the joystick controls before operating the wheelchair in an open, safe area.



Product Size

38"
25"
37"



25"
17"
29"



Figure 5.1: Detailed view of the 360-degree control joystick.

Joystick Functions:

- **Power On/Off:** Press the power button (2) to turn the wheelchair on or off.
- **Speed Display:** The display (1) shows the current speed setting.
- **Speed Adjustment:** Use the '+' (6) and '-' (5) buttons to increase or decrease the speed. Start at the lowest speed setting until comfortable.
- **Movement:** Gently push the joystick forward to move forward, backward to move in reverse, and left or right to turn. The wheelchair will stop automatically when the joystick is released.
- **Horn:** Press the horn button (3) to sound the horn.
- **Battery Display:** The battery indicator (4) shows the remaining battery charge.

Manual Mode:

To operate the wheelchair manually, disengage the motors by pushing the motor engagement levers on the rear wheels to the 'disengaged' position. This allows a caregiver to push the wheelchair.

6. CHARGING THE BATTERY

Proper battery charging ensures optimal performance and longevity.

1. **Connect Charger:** Plug the charger into the charging port on the wheelchair.
2. **Connect to Power:** Plug the charger into a standard electrical outlet.
3. **Charging Indicator:** The charger will indicate when charging is in progress and when it is complete (typically a light changes color).
4. **Charging Time:** A full charge typically takes approximately 3.12 hours.
5. **Disconnect:** Once fully charged, disconnect the charger from the outlet and then from the wheelchair.

Do not leave the battery charging for extended periods beyond the recommended time. Only use the charger provided with your VERPAL YL9000-1 wheelchair.

7. FOLDING AND TRANSPORT

The VERPAL YL9000-1 is designed for easy folding and compact storage.

360w Powerful Motor



Figure 7.1: The wheelchair folding mechanism for compact storage.

1. **Power Off:** Ensure the wheelchair is powered off.
2. **Remove Joystick:** Detach the joystick controller if necessary for a more compact fold or to protect it during transport.
3. **Fold Mechanism:** Follow the specific folding instructions provided in the quick start guide or on the wheelchair frame itself. Typically, this involves releasing a latch and pushing the backrest forward.
4. **Secure:** Once folded, ensure any locking mechanisms are engaged to keep the wheelchair in its compact state.

Transporting the Wheelchair:

When transporting, especially in vehicles or during air travel, ensure the wheelchair is securely stowed to prevent movement and potential damage. The compact folded size (25"W x 17"D x 29"H) allows for easier placement in car trunks or storage areas.



Figure 7.2: Product dimensions in both unfolded and folded states.

8. MAINTENANCE

Regular maintenance helps ensure the longevity and safe operation of your VERPAL electric wheelchair.

- **Cleaning:** Wipe down the frame and seat with a damp cloth. Avoid using abrasive cleaners or excessive water.

- **Tire Inspection:** Check tire pressure and for any signs of wear or punctures regularly. Maintain recommended tire pressure.
- **Bolt and Fastener Check:** Periodically inspect all bolts and fasteners to ensure they are tight. Tighten any loose components.
- **Battery Care:** Store the battery in a cool, dry place. If storing the wheelchair for an extended period, charge the battery fully every few months to maintain its health.
- **Electrical Connections:** Ensure all electrical connections, especially to the joystick and battery, are secure and free from corrosion.

9. TROUBLESHOOTING

This section addresses common issues you might encounter with your VERPAL YL9000-1 electric wheelchair.

Problem	Possible Cause	Solution
Wheelchair does not power on.	Battery is not charged or not connected. Joystick cable is loose.	Charge the battery. Ensure battery and joystick cables are securely connected.
Wheelchair moves slowly or inconsistently.	Low battery charge. Speed setting is too low. Motors are partially disengaged.	Charge the battery. Increase speed setting using the '+' button. Ensure motor engagement levers are fully in the 'engaged' position.
Wheelchair does not move when joystick is pushed.	Motors are disengaged (manual mode). Power is off.	Engage the motors. Turn the power on.
Flat tire.	Puncture or low pressure.	Inspect the tire for damage. Repair or replace the inner tube if punctured. Inflate to recommended pressure.

If you encounter an issue not listed here or require further assistance, please contact VERPAL customer support.

10. SPECIFICATIONS

Feature	Specification
Model Number	YL9000-1
Unfolded Dimensions (L x W x H)	38" x 25" x 37"
Folded Dimensions (L x W x H)	25" x 17" x 29"
Weight Capacity	330 lbs
Travel Range	Up to 25 miles
Motor Power	Dual 500W Motors

Feature	Specification
Battery Type	25Ah 600Wh Lithium Battery
Charging Time	Approx. 3.12 hours
Max Climbing Angle	12 degrees
Material	Aerospace-grade Aluminum Alloy

11. WARRANTY AND SUPPORT

VERPAL is committed to customer satisfaction. Each package includes a fully assembled power wheelchair, a user manual, a tool kit, a charger, and two storage bags.

For any questions or concerns regarding your VERPAL Electric Wheelchair YL9000-1, please refer to the contact information provided with your purchase or visit the official VERPAL website for support.