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VERPAL B0FPCLVN2F

VERPAL Lightweight Electric Wheelchair User Manual

Model: B0FPCLVN2F

1. INTRODUCTION

Thank you for choosing the VERPAL Lightweight Electric Wheelchair. This manual provides essential information for the safe and effective operation, maintenance, and care of your new mobility device. Please read this manual thoroughly before using the wheelchair and keep it for future reference.

Important Safety Information

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. Always consult with a healthcare professional for medical advice.

- Always wear the seatbelt when operating the wheelchair.
- Ensure the electromagnetic brakes are engaged when stationary.
- Do not exceed the maximum weight capacity of 220 lbs.
- Exercise caution on inclines and uneven surfaces.
- Keep hands and clothing clear of moving parts.

2. PRODUCT OVERVIEW

The VERPAL Lightweight Electric Wheelchair is designed for adults, offering enhanced mobility with its foldable, ultra-lightweight design and powerful motors. It features a comfortable seat, robust construction, and intuitive controls for various terrains.



Figure 2.1: The VERPAL Lightweight Electric Wheelchair, showcasing its design and portability.

Key Features:

- **Ultra-Lightweight & Portable:** Weighs approximately 40 lbs, featuring a compact, foldable design for easy transport and storage.
- **All-Terrain Performance:** Equipped with shock-absorbing honeycomb wheels and puncture-resistant rubber tires for smooth navigation over various surfaces.
- **Powerful Motors:** Dual 180W brushless motors provide quiet yet strong propulsion, capable of climbing slopes up to 12°.
- **Extended Range:** High-capacity lithium battery offers up to 12 miles (approximately 15 KM) on a single charge.
- **Enhanced Safety:** Includes a 360° joystick controller, electromagnetic brakes, and a secure seatbelt. Reflective stickers enhance visibility.
- **Comfortable Design:** Features a wide seat, breathable mesh, padded lumbar and cervical support, and a durable aircraft-grade alloy frame.

3. UNPACKING AND INITIAL SETUP

Follow these steps to unpack and prepare your wheelchair for first use.

Assembly Instructions:

1. Carefully remove the wheelchair from its packaging.
2. Unfold the wheelchair by lifting the backrest and pressing down on the seat until it locks into place. Ensure the buckle is locked securely.
3. Attach the joystick controller to the desired armrest.
4. Connect the battery cable to the main power port located under the seat.
5. Install the anti-tip wheels by inserting them into the designated slots at the rear of the wheelchair and securing them.
6. Place the seat cushion and secure the seatbelt.

Your browser does not support the video tag.

Video 3.1: This video demonstrates the unpacking, assembly, and initial setup of the VERPAL Electric Wheelchair, including attaching the joystick, connecting the battery, and installing anti-tip wheels.

4. OPERATING INSTRUCTIONS

Familiarize yourself with the controls and operating procedures for safe and efficient use.

Joystick Controller Functions:



Figure 4.1: The 360° control joystick, featuring an SOS button, mute button, speed controls, battery indicator, and an integrated LED light with a USB charging port.

- **Power Switch:** Press to turn the wheelchair on or off.
- **Joystick:** Move the joystick in the desired direction (forward, backward, left, right) to control movement. Releasing the joystick engages the electromagnetic brakes.
- **Acceleration/Deceleration Buttons (+/-):** Adjust the speed settings. The wheelchair has 5 adjustable speed gears.
- **SOS Button:** Activates an emergency alert.
- **Mute Button:** Toggles the sound alerts.
- **Battery Indicator:** Displays the current battery level.
- **LED Light:** Provides illumination, adjustable angle.
- **USB Charging Port:** Allows charging of external devices.

Driving the Wheelchair:

1. Ensure you are seated comfortably and the seatbelt is securely fastened.
2. Turn on the power switch.
3. Gently push the joystick in the direction you wish to move. The further you push, the faster the wheelchair will go (up to the selected speed setting).
4. To stop, simply release the joystick. The electromagnetic brakes will automatically engage.
5. Use the acceleration/deceleration buttons to adjust your speed as needed for different environments.

Your browser does not support the video tag.

Video 4.2: This video demonstrates the operation of the VERPAL Electric Wheelchair, including driving forward, backward, turning, and navigating various outdoor terrains.

Charging the Battery:

The wheelchair offers two methods for charging the battery:

1. **Method 1: Direct Charging via Battery Port**
Remove the battery from under the seat. Connect the charger to the battery's charging port. Ensure the battery is fully charged before re-installing.
2. **Method 2: Charging via Controller Interface**
Connect the charger directly to the charging port on the joystick controller. The battery does not need to be removed for this method.

Equipped with LED light and USB charging port



High Brightness LED



USB Charging Port



Adjustable Angle



Figure 4.3: The joystick controller with its integrated LED light and USB charging port, which can also be used for charging the wheelchair battery.

5. COMFORT AND DESIGN FEATURES

The VERPAL Electric Wheelchair is engineered for user comfort and convenience.

Ergonomic Seating:

- **Wide Seat:** 17"x17" dimensions for ample space.
- **Thick Sponge Cushion:** 2-inch thick cushion for enhanced comfort and breathability.
- **Padded Lumbar and Cervical Support:** Designed to protect the spine during use.
- **Adjustable Armrests:** 15-inch comfort armrests for personalized positioning.
- **High Backrest:** 19.3-inch backrest for superior support.



Figure 5.1: Illustration of the comfortable 2-inch thick sponge cushion and armrest spacing.



Figure 5.2: Detailed views of the wider seat, footrest, and thick cushion for user comfort.

Portability and Storage:

The wheelchair's foldable design allows for easy transport and compact storage.

- **Quick Folding:** The wheelchair can be quickly folded for storage in car trunks or tight spaces.
- **Lightweight Frame:** Constructed from aircraft-grade aluminum alloy with a carbon fiber finish, contributing to its low weight of approximately 35.9 lbs (excluding detachable parts like the battery).



Figure 5.3: The wheelchair's lightweight design makes it easy to carry when folded.

6. MAINTENANCE

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

Battery Care:

- Charge the battery fully before first use.
- Avoid completely draining the battery. Recharge when the indicator shows low power.
- Store the battery in a cool, dry place if not in use for extended periods, and charge it periodically (e.g., once a month) to maintain its health.
- Use only the provided charger.

Cleaning:

- Wipe down the frame and seat with a damp cloth. Avoid harsh chemicals.
- Ensure electrical components remain dry.

Tire and Wheel Inspection:

- Regularly check tires for wear and tear.
- Ensure all wheels spin freely and are securely attached.

7. TROUBLESHOOTING

This section addresses common issues you might encounter.

- **Wheelchair does not power on:** Check if the battery is properly connected and charged. Ensure the power switch on the joystick is pressed.
- **Wheelchair does not move:** Verify the joystick is connected. Ensure the battery has sufficient charge. Check if the manual brake levers are disengaged.
- **Unusual noises during operation:** Inspect wheels and motors for any obstructions. Contact customer support if the noise persists.
- **Reduced range or power:** The battery may need to be fully charged or may be nearing the end of its lifespan. Ensure proper battery care as outlined in the maintenance section.

For issues not listed here or if problems persist, please contact VERPAL customer support.

8. SPECIFICATIONS

Detailed technical specifications for the VERPAL Lightweight Electric Wheelchair.



Figure 8.1: Key specifications including speed, capacity, motor power, and dimensions.

Feature	Specification
Product Dimensions (Expanded)	37"D x 25"W x 37"H
Product Dimensions (Folded)	23.6"D x 13.8"W x 29.3"H
Item Weight	40 Pounds (approx. 35.9 lbs excluding battery)
Max Capacity	220 lbs
Motors	Dual 180W Brushless Motors
Max Speed	3.7 mph (5 adjustable gears)
Battery	24V 12Ah Lithium Battery
Max Range	Up to 12 miles (approx. 15 KM)
Climbing Ability	Up to 12° incline
Brakes	Intelligent Electromagnetic Brakes
Seat Dimensions	17"W x 17"D
Backrest Height	19.3"
Footrest Width	14"
Rear Wheel Size	11"