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› VERPAL D30 Electric Wheelchair User Manual

VERPAL D30

VERPAL D30 Electric Wheelchair User Manual

Model: D30

1. INTRODUCTION

Thank you for choosing the VERPAL D30 Electric Wheelchair. This manual provides essential information for the safe and effective operation, maintenance, and care of your new electric wheelchair. Please read this manual thoroughly before using the product and retain it for future reference.

The VERPAL D30 is designed to offer enhanced mobility and independence for adults, featuring a compact, all-terrain design with a long travel range and advanced safety features.

Electric Wheelchair for Adults

Enjoy the convenience of life brought by technology



Image 1.1: User operating the VERPAL D30 Electric Wheelchair.

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to the following safety guidelines:

- **Battery and Power Locks:** The wheelchair is equipped with a battery lock and a power lock. Ensure these are engaged when the wheelchair is not in use to prevent unauthorized operation or theft. The product cannot be started

if locked.

- **Night Driving:** A light bar on the back of the product enhances visibility and safety during night operation.
- **Stability:** The wheelchair is designed for optimal balance. Avoid sudden movements or exceeding weight limits that could compromise stability.
- **Electromagnetic Braking System:** The wheelchair features an electromagnetic braking system for comprehensive safety. Releasing the joystick automatically engages the brakes.
- **Anti-Tip Wheels:** Equipped with anti-tip wheels to provide double assurance for stability and prevent backward tipping, especially on inclines.
- **Weight Capacity:** Do not exceed the maximum weight capacity of 400 lbs.
- **Environmental Conditions:** Operate the wheelchair on stable surfaces. While designed for all-terrain, exercise caution on uneven or slippery surfaces.

Electromagnetic Braking System Comprehensive Safety Protection



Image 2.1: Electromagnetic Braking System and Anti-Tip Wheels.

3. PRODUCT OVERVIEW

3.1 Key Features

- **Frame:** Aviation-grade aluminum alloy frame, sturdy and durable.

- **Motors:** Dual 250W brushless motors for powerful and efficient performance.
- **Battery:** High-performance 12Ah lithium battery, offering a travel range of 20-25 miles on a single charge.
- **Wheels:** Super shock-absorbing honeycomb front wheels and non-inflatable rear wheels for all-terrain capability.
- **Control:** Responsive 360-degree joystick for easy maneuvering.
- **Portability:** Can be split into three parts for easier transportation and is airline approved.
- **Safety:** Features battery lock, power lock, rear light bar, electromagnetic braking, and anti-tip wheels.



Image 3.1: VERPAL D30 Electric Wheelchair Side View.

500W Top-tier Brand Motors range 20Miles



250W*2
Brushed motors



Speed: **Five speeds** are adjustable Speed up to 5mph

Image 3.2: Power System Overview.

3.2 All-Terrain Capability

The D30 is engineered to navigate various terrains, including grass, gravel, and mud, thanks to its specialized wheels and powerful motors. It can effortlessly climb slopes up to 9 degrees.

8" All Terrain Honeycomb Tire Front Wheel



Image 3.3: All-Terrain Performance.

4. SETUP AND ASSEMBLY

The VERPAL D30 is designed for easy assembly and disassembly for transport. Upon receiving your wheelchair, follow these steps:

1. **Unpacking:** Carefully remove all components from the packaging.

2. **Main Frame Assembly:** If the wheelchair is in its three-part disassembled state, connect the main frame sections according to the alignment guides. Ensure all locking mechanisms click securely into place.
3. **Battery Installation:** Insert the battery pack into its designated compartment. Ensure it is properly seated and locked to prevent accidental removal.
4. **Charging:** Before first use, fully charge the battery. Connect the charger to the charging port and then to a power outlet. The charging indicator will show the charging status.
5. **Pre-Operation Check:** Verify that all connections are secure, tires are in good condition, and the joystick operates freely.



Image 4.1: Disassembled for Transport.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **To Power On:** Ensure the battery lock and power lock are disengaged. Press the Power On/Off button (labeled '5')

on the joystick display) until the display illuminates.

- **To Power Off:** Press and hold the Power On/Off button until the display turns off. Engage the battery and power locks for security.

5.2 Driving and Maneuvering

- **Joystick Control:** Use the 360-degree joystick to control direction and speed. Gently push the joystick in the desired direction of travel.
- **Acceleration/Deceleration:** Use the acceleration button (labeled '2') to increase speed and the deceleration button (labeled '3') to decrease speed. The wheelchair has five adjustable speed settings, up to 5 mph.
- **Braking:** To brake, simply release the joystick. The electromagnetic braking system will automatically engage, bringing the wheelchair to a smooth stop.
- **Horn:** Press the horn button (labeled '4') to alert others.

5.3 Display Screen

The integrated display screen (labeled '1') provides important information such as battery level, speed setting, and other operational indicators.



Image 5.1: Joystick and Display Screen Controls.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your VERPAL D30 Electric Wheelchair.

- **Battery Care:**
 - Charge the battery fully after each use.
 - Avoid completely draining the battery.
 - If storing for an extended period, charge the battery to 50-70% and recharge every 1-2 months.
- **Cleaning:** Wipe down the wheelchair with a damp cloth. Avoid using harsh chemicals or excessive water directly on electrical components.
- **Wheel Inspection:** Regularly check the wheels for wear and tear. Ensure the honeycomb front wheels and non-inflatable rear wheels are free from debris.
- **General Checks:** Periodically inspect all bolts, screws, and connections to ensure they are tight and secure. Check the joystick for smooth operation.

7. TROUBLESHOOTING

If you encounter issues with your VERPAL D30, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Wheelchair does not power on	Battery discharged; Battery/power lock engaged; Loose battery connection	Charge battery; Disengage locks; Check battery connection
Wheelchair does not move	Joystick not fully engaged; Power lock engaged; Motor issue	Ensure joystick is pushed firmly; Disengage power lock; Contact support if motor issue suspected
Reduced travel range	Battery not fully charged; Battery degradation; Overloaded wheelchair	Fully charge battery; Consider battery replacement if old; Reduce load
Brakes not engaging/disengaging properly	Joystick malfunction; Electrical issue	Ensure joystick is released; Contact support for inspection

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

8. SPECIFICATIONS

Model	D30
Unfolded Dimensions (LxWxH)	38.2" x 22.8" x 34.6"
Detachable Parts	Three Parts
Frame Material	Aluminum Alloy
Tyre Material	Polyurethane (PU)
Turning Radius	36"
Battery Type	Lithium-ion
Battery Capacity	12Ah
Seat Width	20"
Weight Capacity	400 lbs
Product Weight (with battery)	105 lbs
Motor	Dual 250W Brushless Motors
Max Speed	Up to 5 mph
Travel Range	20-25 miles

Climbing Ability	Up to 9°
Brake Style	Electromagnetic
Front Wheel Size	8 Inches (Honeycomb)



Technological Design Leads High-end Life



Image 8.1: VERPAL D30 Dimensions and Specifications.

9. WARRANTY AND SUPPORT

The VERPAL D30 Electric Wheelchair comes with a **1-year guarantee** from the date of purchase, covering manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or replacement parts, please contact VERPAL customer service through the retailer where you purchased the product or visit the official VERPAL website.

Contact Information:

Please refer to your purchase documentation or the VERPAL brand store on Amazon for the most current contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question