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Vipdrive CLIMBER 1.2

Vipdrive Climber 1.2 Electric Bike User Manual

Model: CLIMBER 1.2

1. Introduction

Welcome to the Vipdrive Climber 1.2 Electric Bike user manual. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.



Figure 1: Vipdrive Climber 1.2 Electric Bike. This image shows the full electric bike from a slight angle, highlighting its fat tires, frame, and battery pack.

2. Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Regular maintenance checks are crucial for safe operation.

Important Safety Features:

- **Braking System:** Equipped with reliable front and rear disc brakes for precise and instant stopping power on all terrains.
- **Headlight:** A bright LED headlight ensures visibility and illuminates the path during night rides.
- **Tires:** 26-inch fat tires provide enhanced stability and traction across various surfaces.

3. Package Contents

Upon unboxing, please verify that all components are present and undamaged. The Vipdrive Climber 1.2 Electric Bike comes 85% pre-assembled.

- Vipdrive Climber 1.2 Electric Bike (main frame with rear wheel, battery installed)
- Front Wheel
- Saddle and Seat Post
- Handlebar
- Pedals (Left and Right)
- Headlight
- Rear Reflector
- Charger
- E-Bike Accessory Kit (tools for assembly)
- User Manual (this document)



Figure 2: The main components of the Vipdrive Climber 1.2 Electric Bike as received in the package.

4. Assembly and Setup

Your Vipdrive Climber 1.2 Electric Bike is designed for straightforward assembly. Follow these steps carefully. An installation video is also provided for visual guidance.

4.1. Watch the Installation Video

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Video 1: Vipdrive Climber 1.2 Electric Bike Installation Guide. This video provides a comprehensive step-by-step visual guide for assembling your e-bike, covering all necessary connections and adjustments.

4.2. Step-by-Step Assembly

1. **Unboxing and Inspection:** Carefully remove the bike and all components from the packaging. Remove all safety wrapping and check for any damage or missing parts.
2. **Install the Saddle:**
    - Remove the plastic cover from the seat post.
    - Open the quick release lever of the seat post.
    - Insert the saddle into the seat tube, ensuring it is set between the safety markings engraved on the seat post.
    - Close the quick release lever to secure the saddle.
3. **Install the Rear Reflector:** Attach the rear reflector to the seat post below the saddle. Tighten the screws using a Phillips screwdriver.
4. **Install the Stem and Handlebars:**
    - Loosen the screws on the handlebar stem slightly.
    - Rotate the stem forward.
    - Tighten the bolts on the handlebar stem.
    - Remove the front attachment of the stem using a 4mm Hex Key.
    - Attach the handlebar on top of the stem.
    - Fully tighten all bolts on the stem to secure the handlebar.
    - Adjust the angle and tightness of the LCD display by tightening the screws on both sides.
5. **Attach the Bell:** Secure the bell to the handlebar and tighten its screws.
6. **Install the Front Wheel:**
    - Loosen the fixing rod of the front fork.
    - Remove the covers of the wheel hub.
    - Loosen the nuts and safety spacer from the hub ends.
    - Insert the front wheel between the forks, ensuring the disc brake aligns correctly with the caliper.
    - Snap the spacer into the groove and tighten the nut securely.
    - Place the black dust cap over the torqued nut.
7. **Install the Headlight:**
    - Remove the screws preinstalled on the front fork joints.
    - Install the headlight on the front fork joints.
    - Tighten the screws and nuts with a wrench to secure the headlight.

8. **Install the Pedals:**
    - Identify the Left (L) and Right (R) pedals.
    - For the Left Pedal (L), thread and tighten counter-clockwise.
    - For the Right Pedal (R), thread and tighten clockwise.

Once all steps are completed, double-check all connections and tightened bolts before your first ride.

5. Operating Instructions

The Vipdrive Climber 1.2 offers versatile riding experiences with its multiple modes and intuitive controls.

5.1. Riding Modes

Your e-bike features 3 built-in riding modes, easily switched via the control buttons on the handlebar:

- **Throttle Mode:** Provides full electric power without pedaling.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal, with adjustable levels of assistance.
- **Normal Bike Mode:** Ride as a traditional bicycle with no electric assistance.



Figure 3: Illustration of the three primary riding modes available on the Vipdrive Climber 1.2 electric bike.

5.2. LCD Display Control

The integrated LCD display provides real-time information about your ride and bike status.

- **Battery Indicator:** Shows the current battery charge level.
- **Current Speed:** Displays your real-time riding speed.
- **PAS Level:** Indicates the current pedal-assist level.
- **Travel Distance (Odometer):** Tracks the total distance traveled.



Figure 4: Close-up view of the LCD display on the Vipdrive Climber 1.2, showing various indicators such as speed, battery level, PAS level, and odometer.

6. Battery Charging and Maintenance

The Vipdrive Climber 1.2 is equipped with a 48V 13Ah removable lithium-ion battery, offering a range of 25-50 miles on a single charge. Charging time is approximately 4-6 hours.

6.1. Charging Methods

You have two convenient options for charging your e-bike battery:

1. **Direct Charging on the Bike:**
    - Locate the water and dust-resistant charging port on the battery pack.
    - Connect the charger directly to this port while the battery is installed on the bike.

2. **Removable Battery Charging:**
    - Unlock the battery from the frame using the provided key.
    - Carefully slide the battery out of its housing.
    - Connect the charger directly to the battery pack.
    - After charging, reinstall and lock the battery securely to the frame.

Figure 5: The 48V 13Ah lithium-ion battery, illustrating its removable design and two charging methods: directly on the bike or removed from the frame.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your Vipdrive Climber 1.2 Electric Bike.

- **Tire Pressure:** Regularly check and maintain the recommended tire pressure for optimal performance and safety.
- **Brakes:** Inspect brake pads and discs periodically for wear. Ensure brake levers are responsive and provide adequate stopping power.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth gear changes.
- **Fasteners:** Periodically check all bolts and fasteners for tightness, especially after the first few rides.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery for extended periods.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

8. Troubleshooting

This section addresses common issues you might encounter with your Vipdrive Climber 1.2 Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely locked into the frame. Check power button on battery.
Motor not assisting.	PAS level too low, battery low, or connection issue.	Increase PAS level on display. Check battery charge. Inspect motor cable connections.
Brakes feel loose or ineffective.	Brake cable tension, worn pads, or air in hydraulic system.	Adjust brake cable tension. Inspect and replace worn brake pads. If hydraulic, professional service may be required.
Unusual noises during riding.	Loose components, dry chain, or misaligned parts.	Check all bolts and connections. Lubricate the chain. Inspect wheels and frame for alignment.

For issues not listed here, or if solutions do not resolve the problem, please contact Vipdrive customer support.

9. Specifications

Feature	Detail
Model Name	CLIMBER 1.2

Feature	Detail
Bike Type	Electric Bike
Motor	500W High-Speed Brushless (750W Peak)
Max Speed	Up to 21 MPH
Battery	48V 13Ah Removable Lithium-ion (624 Wh)
Range	25-50 Miles (depending on terrain and assist level)
Charging Time	4-6 Hours
Wheel Size	26 Inches (4.0" Fat Tires)
Frame Material	Aluminum Alloy
Suspension	Front Hydraulic Suspension Fork
Brake Style	Front and Rear Disc Brakes
Number of Speeds	7-Speed Shimano Gear
Max Load Capacity	265 Pounds
Recommended Rider Height	5'4" - 6'4"
Bicycle Weight	65.2 Pounds



Figure 6: Visual representation of the Vipdrive Climber 1.2's key dimensions, recommended rider height, and weight capacity.

10. Warranty and Support

Vipdrive is committed to providing high-quality products and excellent customer service.

10.1. Warranty Information

Your Vipdrive Climber 1.2 Electric Bike comes with a 1-year limited warranty. This warranty covers manufacturing defects and issues arising from normal use. Please retain your proof of purchase for warranty claims.

10.2. Customer Support

For any questions, technical support, or warranty claims, please contact Vipdrive customer service. We offer 24-hour online service and technical support to assist you.

Contact Information:

Email: service@vipdrive.com

Online Support: Visit the official Vipdrive store on Amazon for FAQs and support resources. Vipdrive Amazon Store

When contacting support, please provide your product model (CLIMBER 1.2) and a detailed description of the issue, including photos or videos if applicable, to facilitate a quicker resolution.

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