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> MOVCAN V30 Series Electric Bike Instruction Manual

## Movcan V30 Series

# MOVCAN V30 Series Electric Bike Instruction Manual

Your guide to safe and efficient operation of your MOVCAN V30 Series Electric Bike.

## 1. PRODUCT OVERVIEW

The MOVCAN V30 Series Electric Bike is designed for adults seeking a powerful and versatile e-bike for both commuting and off-roading. Featuring robust motor options (1000W, 1500W, 3000W peak), a long-range 48V battery system (15.6AH, 31.2AH, or 40AH), and 20-inch fat tires, this e-bike offers impressive performance and comfort. Dual hydraulic brakes ensure reliable stopping power, while the 7-speed Shimano gear system provides adaptability for various terrains.



Figure 1: MOVCAN V30 Series Electric Bikes in use, showcasing their design and fat tires.

The V30 Series is built with a durable carbon steel frame and dual suspension for a smooth ride. Its design prioritizes both power and rider comfort, making it suitable for extended journeys.

## 2. SETUP AND ASSEMBLY

Your MOVCAN V30 Series Electric Bike comes mostly pre-assembled. Follow these steps to complete the setup:

## 2.1 Unboxing and Initial Inspection

- Carefully remove all components from the packaging.
- Inspect the bike and all accessories for any signs of damage during transit.
- Locate the accessory box which contains essential tools and parts.



Figure 2: Main components of the MOVCAN V30 Series Electric Bike ready for assembly.

## 2.2 Tire Inflation

- Locate the tire pump provided in the accessory box.
- Inflate both 20-inch fat tires to the recommended pressure (check the tire sidewall for PSI range). Ensure the tire beads are properly seated.

## 2.3 Headlight and Pedal Installation

- Attach the headlight to the front of the bike.
- Install the metal pedals. Note that the front brake rotor is typically installed during this stage if not pre-attached.

## 2.4 Display and Handlebar Adjustment

- Mount the display unit onto the handlebars.
- Adjust the handlebars to a comfortable riding position and secure them.

A basic toolkit is included to assist with these assembly steps.

## 3. OPERATING YOUR E-BIKE

Familiarize yourself with the controls and functions before your first ride.

### 3.1 Powering On/Off

- Insert the ignition key into the key slot, usually located near the handlebars or battery.
- Turn the key to the 'ON' position to activate the bike's electrical system. The display will light up, and the halo light on the headlight will illuminate.
- To power off, turn the key to the 'OFF' position and remove it.



Figure 3: Handlebar controls and digital display of the MOVCAN V30 Series Electric Bike.

### 3.2 Display Functions

The digital display provides crucial information:

- **Speed:** Shows current speed in MPH.
- **Battery Level:** Indicates remaining battery charge.
- **Pedal Assist (PAS) Level:** Displays the current pedal assist mode (1-5).
- **Odometer/Trip:** Tracks total distance or current trip distance.
- **Dual Motor Indicator:** Shows when dual motor mode is active.

### 3.3 Controls

- **Headlight:** A switch on the left handlebar activates the main headlight beam. The halo light is always on when the bike is powered.
- **Turn Signals:** Use the left/right buttons on the left handlebar to activate turn signals (front and rear).
- **Horn:** Press the horn button for an audible warning.
- **Pedal Assist Modes:** Use the '+' and '-' buttons to cycle through 5 levels of pedal assist.
- **Throttle:** The right-hand twist throttle provides power on demand without pedaling.
- **Gear Shifter:** The 7-speed Shimano shifter on the right handlebar allows you to change gears for different riding conditions.
- **Dual Motor Switch:** A dedicated button allows you to switch between single and dual motor operation, even while riding.

### 3.4 Braking System

The MOVCAN V30 Series is equipped with dual hydraulic disc brakes for superior stopping power. Squeeze the brake levers on the handlebars to engage the brakes. The rear brake light will illuminate when either brake lever is pressed.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your e-bike.

### 4.1 Battery Care and Charging

- Charge the battery fully before your first ride and after each significant use.
- Use only the provided 48V charger.
- Avoid completely draining the battery.
- Store the battery in a cool, dry place when not in use.

### 4.2 Tire Pressure

- Regularly check and maintain the recommended tire pressure for optimal ride quality and battery efficiency.

### 4.3 Brake System

- Inspect brake pads and rotors periodically for wear.
- Ensure brake levers provide firm and responsive braking. Adjust or seek professional service if brakes feel spongy or ineffective.

### 4.4 General Cleaning

- Clean your e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Lubricate the chain as needed to ensure smooth gear changes.

## 5. TROUBLESHOOTING

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Here are some common issues and their potential solutions:

- **Bike not powering on:** Check if the battery is properly seated and charged. Ensure the ignition key is fully inserted and turned to the 'ON' position.
- **Motor not engaging:** Verify that the pedal assist level is not set to '0'. Check if the throttle is functioning correctly. Ensure all electrical connections are secure.
- **Brakes feel weak:** Inspect brake pads for wear and replace if necessary. Check for air in the hydraulic lines (requires professional bleeding). Ensure rotors are clean and free of oil.
- **Unusual noises:** Check for loose components, especially around the wheels, chain, and suspension. Lubricate the chain if it's squeaking.

For persistent issues, please contact customer support.

## 6. SPECIFICATIONS

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Feature	Specification
Bike Type	Electric Bike
Age Range	Adult
Brand	Movcan
Motor Power Options	1000W / 1500W / 3000W (Peak)

Top Speed Options	28 MPH / 32 MPH / 37.5 MPH
Battery Options	48V 15.6AH / 31.2AH / 40AH
Max Range	Up to 120 Miles (depending on battery and assist level)
Brake Type	Dual Hydraulic Disc Brakes
Wheel Size	20 Inches (Fat Tire)
Number of Speeds	7-Speed
Frame Material	Carbon Steel
Suspension Type	Dual
Special Feature	Rechargeable
Model Year	2025

## 7. WARRANTY AND SUPPORT

MOVCAN is committed to providing excellent customer service. For any inquiries regarding your e-bike, including pre-purchase instructions, maintenance, or general questions, please refer to the following contact information:



Figure 4: MOVCAN After Sales Service Support details.

- **Email:** [support@movcan-bike.com](mailto:support@movcan-bike.com)
- **Phone:** 1-888-998-4632 (Monday-Friday, 9:00 a.m. - 4:00 p.m. UTC-8)

We strive for 24-hour support to ensure your satisfaction.

