

isinwheel M50

isinwheel M50 Electric Bike User Manual

Model: M50

1. INTRODUCTION

Thank you for choosing the isinwheel M50 Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference. The M50 is designed for adults, featuring a 27.5-inch tire, a 750W peak motor, full suspension, and a 13Ah removable battery, offering a maximum speed of 32 KM/H and a PAS range of up to 60 KM.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations regarding electric bicycles. Perform a pre-ride inspection before each use.

- **Helmet Use:** Always wear a certified helmet.
- **Pre-Ride Check:** Inspect brakes, tires, battery, and all fasteners before each ride.
- **Traffic Laws:** Obey all local traffic laws, signs, and regulations.
- **Weather Conditions:** Exercise caution in wet or slippery conditions.
- **Weight Limit:** Do not exceed the maximum load capacity of 330 lbs.
- **Age Range:** This electric bike is intended for adult use.

3. SETUP AND ASSEMBLY

The isinwheel M50 Electric Bike arrives approximately 90% pre-assembled. Basic assembly is required for components such as the handlebar, front wheel, pedals, seat, and fenders. A tool kit and instructions are

included to assist you.

Assembly Steps:

1. **Unpacking:** Carefully remove the bike and all components from the packaging.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely.
3. **Front Wheel:** Install the front wheel, making sure the disc brake rotor is correctly seated in the caliper.
4. **Pedals:** Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and have different thread directions.
5. **Seat Post:** Insert the seat post into the frame and adjust to a comfortable height, then secure it with the quick-release lever.
6. **Fenders:** Install the front and rear fenders if they are not already attached.
7. **Battery:** Ensure the battery is securely installed and locked into the frame.



Image: The isinwheel M50 Electric Bike, ready for final adjustments after initial assembly.
For detailed visual guidance, please refer to the assembly video available on the product page.

4. OPERATING INSTRUCTIONS

Understanding how to operate your M50 electric bike ensures a safe and enjoyable riding experience.

4.1. Battery and Charging

The M50 is equipped with a 13Ah removable battery. To charge, connect the charger to the battery charging port and then to a power outlet. The indicator light on the charger will show the charging status. Always use the original charger provided.

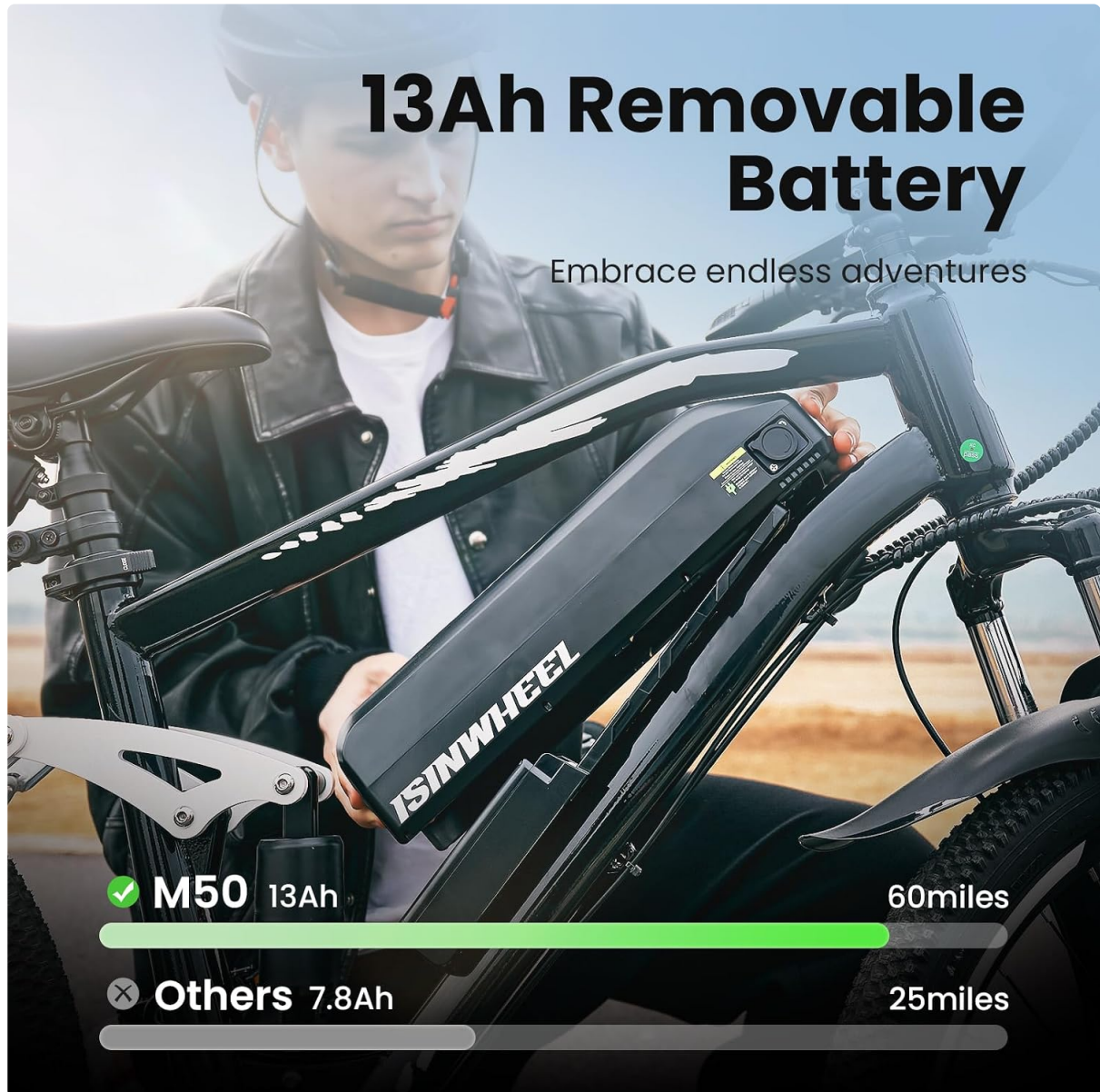


Image: The 13Ah removable battery integrated into the M50 frame, highlighting its design.

4.2. Powering On/Off

To power on the bike, press and hold the power button on the display unit. To power off, press and hold the power button again.

4.3. Pedal Assist System (PAS)

The M50 features a Pedal Assist System (PAS) with multiple levels. Use the '+' and '-' buttons on the control panel to adjust the assist level. Higher levels provide more motor assistance, while lower levels

offer less. The bike also has a throttle for pure electric power.

4.4. Gear Shifting

Your M50 is equipped with a 7-speed Shimano gear system. Use the shifter on the handlebar to change gears, allowing you to adapt to different terrains and inclines. Shift smoothly to avoid damage to the drivetrain.



Image: The Shimano 7-speed gear shifter and rear derailleur, demonstrating the bike's adaptable gearing.

4.5. Headlight Operation

The M50 includes a 130 Lux headlight for enhanced visibility. Activate the headlight using the dedicated button on the control panel. Ensure it is on when riding in low-light conditions.

Illuminate Your Ride

Pro-Level Lights for Extreme Off-Roading



Image: The powerful 130 Lux headlight, designed for clear visibility during night rides.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and performance of your isinwheel M50 Electric Bike.

- **Tire Pressure:** Check tire pressure regularly. The 27.5-inch dirt tires require specific pressure for optimal grip and ride comfort. Refer to the tire sidewall for recommended PSI.
- **Brakes:** Inspect disc brakes for wear on pads and rotors. Ensure brake levers are firm and responsive. Adjust or replace components as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Suspension:** Periodically check the 4-Link full suspension system for proper function and ensure all pivot points are free of debris.
- **Battery Care:** Store the battery in a cool, dry place. Avoid fully discharging the battery and charge it regularly, even when not in use, to prolong its lifespan.
- **General Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Fasteners:** Regularly check and tighten all bolts and nuts, especially on critical components like the

handlebars, wheels, and seat post.



27.5"x2.3"

Bye-Bye Slips, Hello Grip

Wider, bigger tires offer better stability, improved grip, and a smoother, more controlled ride.

Image: The aggressive tread pattern of the 27.5-inch tire, designed for superior grip on various terrains.

Four-Link Suspension

Advanced construction enhances stability, precision handling, and a smooth ride on any terrain.



Image: The advanced 4-Link full suspension system, engineered for stability and a smooth ride over rough terrain.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your M50 electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly installed; loose connections.	Ensure battery is fully charged and securely seated. Check all cable connections.
Motor not assisting	PAS level set to zero; brake levers engaged; motor cable disconnected.	Increase PAS level. Release brake levers. Check motor cable connection.
Short battery range	Low tire pressure; riding in high assist levels; frequent stops/starts; cold weather.	Inflate tires to recommended pressure. Use lower PAS levels. Maintain consistent speed.

Problem	Possible Cause	Solution
Brakes feel weak	Worn brake pads; air in hydraulic system (if applicable); misaligned caliper.	Inspect and replace brake pads. Consult a bike mechanic for hydraulic system bleeding or caliper adjustment.

If you encounter issues not listed here or require further assistance, please contact isinwheel customer support.

7. SPECIFICATIONS

Detailed technical specifications for the isinwheel M50 Electric Bike:

- **Model:** M50
- **Brand:** isinwheel
- **Product Dimensions:** 181.5 x 70 x 112 cm (71.5 x 27.6 x 44.1 inches)
- **Motor:** 750W Peak Motor (500W rated)
- **Battery:** 13Ah (468 Watt Hours) Removable Lithium Battery
- **Max Speed:** 32 KM/H (20 MPH)
- **PAS Range:** Up to 60 KM (37 miles)
- **Wheel Size:** 27.5 Inches
- **Tires:** 27.5" Dirt Tires
- **Number of Speeds:** 7 (Shimano)
- **Suspension Type:** Dual (4-Link Full Suspension)
- **Brake Style:** Disc Brakes
- **Headlight:** 130 Lux
- **Max Load:** 330 lbs
- **Recommended Rider Height:** 5'5" - 6'5"
- **Assembly Required:** Yes (90% pre-assembled)
- **Intended Riding Terrain:** Mountain Terrain, Trail



Image: The isinwheel M50 in action, demonstrating its 750W peak motor power and quick acceleration.



Image: Dimensional overview of the M50 electric bike, providing key measurements for fit and storage.

8. WARRANTY AND SUPPORT

isinwheel stands behind the quality of its products. The M50 electric bike has passed Safe 2849

certifications, ensuring reliability and safety.

- **Warranty:** Specific parts of the e-bike are covered by a warranty of one year or 180 days, depending on the component. Please refer to your purchase documentation for detailed warranty terms.
- **Customer Service:** If you have any questions or encounter issues with your M50 electric bike, please do not hesitate to contact our customer support team. We are committed to providing satisfactory service within 24 hours.