

isinwheel U7

isinwheel U7 Electric Bike Instruction Manual

1. INTRODUCTION

Welcome to the official instruction manual for your new isinwheel U7 Electric Bike. This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your e-bike. Please read this manual thoroughly before your first ride and keep it for future reference.

Important Safety Information

- Always wear a helmet when riding your e-bike.
- Perform a pre-ride safety check before each use, including brakes, tires, and battery.
- Familiarize yourself with local traffic laws and regulations for electric bicycles.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Ensure all components are securely fastened before riding.

2. PACKAGE CONTENTS

Upon unboxing, verify that all the following items are included in your package:

- isinwheel U7 Electric Bike (partially assembled)
- Dual Ebike Cargo Rack (front and rear)
- Electric Bike Pump
- Tool Kit
- Battery Charger
- Bicycle Horn
- User Manual

3. SETUP AND ASSEMBLY

Your isinwheel U7 E Bike comes partially assembled. Follow these steps to complete the assembly:

1. **Unboxing:** Carefully remove all components from the packaging. Keep all packing materials until assembly is complete.

2. **Front Wheel Installation:** Attach the front wheel to the fork using the provided quick-release skewer or bolts. Ensure the disc brake rotor is correctly aligned with the caliper.
3. **Handlebar Installation:** Insert the handlebar stem into the fork tube and tighten the bolts securely. Adjust the handlebar to a comfortable riding position.
4. **Pedal Attachment:** Identify the left (L) and right (R) pedals. Screw the pedals into the crank arms by hand, then tighten them firmly with a wrench. Note that the left pedal tightens counter-clockwise.
5. **Seat Post and Saddle:** Insert the seat post with the saddle into the frame. Adjust the height for comfortable pedaling and secure it with the quick-release lever.
6. **Fender and Light Installation:** Attach the front and rear fenders. Install the front headlight and rear tail light to their designated positions, ensuring all connections are secure.
7. **Cargo Rack Assembly:** Securely attach the front and rear cargo racks using the provided hardware.
8. **Tire Inflation:** Inflate the tires to the recommended pressure, typically around 35 PSI, using the included pump. Check the tire sidewall for exact pressure recommendations.

Video: [isinwheel U7 Electric Bike Unboxing and Assembly Guide](#). This video demonstrates the step-by-step process of unboxing and assembling the e-bike, including attaching the front wheel, handlebars, pedals, and racks.



Image: Close-up of a hand attaching the front wheel to the e-bike fork, securing the axle nuts.



Image: A person installing the handlebars onto the e-bike's stem, tightening the bolts with an Allen key.



Image: A person attaching the front cargo rack to the e-bike's head tube, securing it with bolts.

4. OPERATING INSTRUCTIONS

Power On/Off

- To power on the e-bike, long press the power button on the LCD display.
- To power off, long press the power button again until the display turns off.

Speed Modes and Pedal Assist

The isinwheel U7 offers 5 levels of pedal assist and a full-throttle mode:

- Use the '+' and '-' buttons on the display to cycle through assist levels 1 to 5.
- Level 1 provides minimal assistance, while Level 5 offers maximum motor power, allowing for speeds up to 20 mph with minimal pedaling.
- The throttle can be used independently or in conjunction with pedal assist for an effortless ride.

Gear Shifting

The e-bike is equipped with a 7-speed gear system:

- Use the Shimano 7-speed derailleur shifter on the right handlebar to change gears.
- Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

Lights and Horn

- Press the light button on the handlebar controls to turn the front headlight and rear tail light on/off.
- The rear tail light also functions as a brake light, illuminating brighter when brakes are applied.
- Press the horn button to alert pedestrians or other riders.



STURDY REAR RACK



**Other
90 lbs**

**isinwheel
330 lbs**



Image: Close-up of the e-bike's smart LCD display showing speed, battery level, and assist mode, alongside the non-slip grip and accelerator on the handlebar.

5. BATTERY AND CHARGING

The isinwheel U7 features a removable 48V 10.4Ah battery for convenient charging.

Battery Removal and Installation

- To remove the battery, unlock it with the provided key and use the seat lever to tilt the seat forward. Gently slide the battery out of its compartment.
- To install, slide the battery back into the compartment, ensuring it clicks into place, then lock it with the key.

Charging the Battery

- Connect the charger to the battery's charging port (located under a safety cover).
- Plug the charger into a standard wall outlet. The indicator light on the charger will show charging status (red for charging, green for fully charged).
- A full charge typically takes 3-4 hours.

FASTER CHARGE



**54.6V 2A
Charge**



**Single Charge
3-4 Hours**



**BMS
Protection**

Image: Close-up of the removable 48V 10.4Ah battery, highlighting its integrated handle and charging port.



Image: The e-bike battery connected to its charger, with the charger plugged into a wall outlet, indicating the charging process.

6. MAINTENANCE

Tire Pressure

- Regularly check tire pressure. Maintain approximately 35 PSI for optimal performance and safety.
- The 20" x 3" fat tires are designed for various terrains, but proper inflation is crucial.

Brake System

- Inspect the dual disc brakes regularly for wear and proper function.
- Ensure brake levers are responsive and provide adequate stopping power.

General Care

- Keep your e-bike clean by wiping it down with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- Store the e-bike in a dry, cool place, away from direct sunlight and extreme temperatures.



Image: A detailed cross-section view illustrating the anti-puncture, inner tube, and outer tire layers of the 20" x 3" fat tire, designed for durability across various terrains.

7. TROUBLESHOOTING

If you encounter issues with your isinwheel U7 E Bike, refer to the following common problems and solutions:

- **E-bike not powering on:** Ensure the battery is fully charged and properly installed. Check that the key is turned to the 'on' position.
- **Motor not assisting:** Verify that pedal assist is enabled on the LCD display and set to a level above zero. Check all cable connections for looseness.
- **Flat tire:** Inspect the tire for punctures. If a puncture is found, repair or replace the inner tube. Ensure proper tire pressure is maintained.
- **Brakes not responsive:** Check brake cables for tension and ensure brake pads are not worn out. Adjust as necessary.

8. SPECIFICATIONS

Feature	Detail
Bike Type	Electric Bike
Motor	500W (1000W Peak) Brushless Motor
Battery	48V 10.4Ah Removable Lithium Battery
Max Speed	20 mph
Range	Up to 55 miles (pedal-assist mode)
Charging Time	3-4 hours
Wheel Size	20 Inches
Tires	20" x 3" Fat Tires
Gear System	7-Speed Shimano Gear
Brakes	Dual Disc Brakes
Frame Material	Alloy Steel (Step-Through Frame)
Weight Capacity	330 Pounds
Special Features	Adjustable Seat, Front & Rear Cargo Racks, USB Charging Port, Smart LCD Display



Image: Visual guide illustrating the dimensions of the isinwheel U7 Electric Bike and recommended rider height range (5'3"-6'3").

9. WARRANTY AND SUPPORT

Limited Warranty

The isinwheel U7 Electric Bike comes with a limited warranty. Please refer to the warranty card included in your package for specific terms and conditions.

Customer Support

For any questions, technical assistance, or warranty claims, please contact isinwheel customer support. Manufacturer contact information: Shenzhen Xincheng Times Technology Co.,Ltd.