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# 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

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### 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.

# LCD DISPLAY

Smart LCD Dashboard



Shimano 7-Speed Derailleur



Non-Slip Grip

Accelerator



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

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### 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.