isinwheel U8

isinwheel U8 Electric Bike Instruction Manual

Model: U8

1. Introduction

Welcome to the world of electric biking with your new isinwheel U8 Electric Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your e-bike. The isinwheel U8 is designed for adults, featuring a powerful 1000W peak motor, a long-range 48V 13AH/18AH battery, and robust 20-inch fat tires, making it ideal for both commuting and adventurous rides.
Key features include:

- **Powerful Motor:** Peak 1000W brushless motor for speeds up to 28 MPH and 65Nm torque.
- **Extended Range Battery:** Integrated 48V 13Ah/18Ah battery with IPX6 waterproof protection, offering 75+ miles per charge.
- **All-Terrain Capability:** 20"x3.0" 3-layer puncture-proof fat tires, full suspension, and 7-speed gearing.
- **Enhanced Safety:** 2000-lumen headlight with 80m beam, dual disc brakes, and UL2849 certification.
- **Comfort & Convenience:** Step-thru 6061 aluminum frame, 2" gel memory foam seat, and USB charging port.



The isinwheel U8 Electric Bike, ready for adventure.

2. Safety Information

Always prioritize safety when operating your e-bike. Wear a helmet, follow local traffic laws, and perform regular safety checks. The isinwheel U8 is UL2849 certified, indicating compliance with electrical system safety standards for electric bicycles.

- Always wear a certified helmet.
- Familiarize yourself with local e-bike regulations.
- Perform pre-ride checks on brakes, tires, and battery.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Avoid riding in extreme weather conditions.

3. Package Contents

Upon unboxing, ensure all components are present and undamaged:

- 1 x isinwheel U8 Electric Bike (main frame with integrated battery)
- 1 x Seat with Seatpost
- 1 x Handlebar
- 2 x Pedals
- 1 x Kickstand (pre-installed)
- 1 x Front Wheel
- 1 x Front Fender
- 1 x Headlight
- 1 x Charger
- Tools for assembly
- User Manual

The isinwheel U8 Electric Bike with key dimensions highlighted.

4. Setup & Assembly

The isinwheel U8 Electric Bike comes partially assembled. Follow these steps to complete the setup:

4.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Inspect for any signs of damage during transit.

4.2 Handlebar Installation

Attach the handlebar to the stem. Ensure all cables are properly connected and routed before tightening the bolts securely.

4.3 Headlight and Front Fender Installation

Mount the headlight and front fender to the front fork. Connect the headlight cable to the main wiring harness.

4.4 Brake Adjustment

Adjust the mechanical disc brakes for optimal stopping power. Ensure the brake levers are comfortable to reach and engage smoothly.

4.5 Pedal Installation

Identify the left (L) and right (R) pedals. Screw them into the corresponding crank arms. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise.

4.6 Seat and Reflector Installation

Insert the seat post into the frame and adjust to your preferred height. Attach the rear reflector to the seat post.

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Official isinwheel U8/Pro Commuting Ebike Unboxing and Assembly Video. This video demonstrates the step-by-step process of unboxing and assembling your new e-bike, including handlebar, headlight, brake, pedal, and seat installation.

5. Operating Instructions

5.1 Power On/Off

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

5.2 Display Functions

The LCD display provides real-time information:

- **Speed:** Current speed in MPH.
- **Battery Level:** Indication of remaining battery charge.
- **Odometer/Trip:** Total distance traveled or distance for the current trip.
- **Power Level:** Real-time power output from the motor.
- **Voltage/Current/Time:** Additional diagnostic information.

5.3 Speed Modes & Pedal Assist (PAS)

The U8 offers 4+1 smart riding modes (PAS/Electric/Cruise/Walk/Pedal). Adjust the pedal assist level using the '+' and '-' buttons on the display. The bike can be unlocked to reach speeds of up to 28 MPH by adjusting the P5 setting in the display menu.

5.4 Throttle Operation

The half-twist throttle provides instant power without pedaling. Twist the throttle towards you to accelerate.

5.5 Gearing

The 7-speed Shimano gearing system allows you to adjust resistance for different terrains and inclines. Use the shifter on the right handlebar to change gears.

5.6 Braking

The bike is equipped with Logan-branded mechanical disc brakes (180mm rotors) on both front and rear wheels for reliable stopping power. Squeeze the brake levers to engage.

5.7 Lights & Horn

Turn on the 2000-lumen headlight and taillight using the dedicated switch on the left handlebar. The integrated horn can also be activated from the same control cluster.



Smart, versatile, and convenient display with USB charging port.

6. Battery & Charging

The isinwheel U8 features a stealth-integrated 48V 13Ah/18Ah battery with IPX6 waterproof protection. The battery can be charged while installed on the bike or removed for convenience.

6.1 Battery Removal

To remove the battery, use the provided key to unlock it from the frame. The battery will slide out from the bottom of the frame.

6.2 Charging

Connect the 3A charger to the charging port located on the right side of the frame (under a rubber cover) or directly to the removed battery. The charger indicator light will change from red to green when fully charged.

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Battery Removal: This clip demonstrates how to safely remove the integrated battery from the e-bike frame.

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Charging Operation: This clip shows the process of connecting the charger to the e-bike's battery port.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your isinwheel U8 e-bike.

- **Tires:** Check tire pressure before each ride. The 20"x3.0" fat tires are puncture-proof, but inspect them regularly for wear.
- **Brakes:** Periodically check brake pads for wear and ensure proper brake lever tension.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes.
- **Cleaning:** Use a damp cloth to clean the bike. Avoid high-pressure washing directly on electrical components.
- **Storage:** Store the bike in a cool, dry place away from direct sunlight.

8. Troubleshooting

If you encounter issues with your isinwheel U8, refer to the following common troubleshooting tips:

- **Bike not powering on:** Check battery connection, ensure battery is charged, and verify the key is in the 'on' position.
- **Motor not assisting:** Check pedal assist level on the display, ensure throttle is engaged (if using), and verify brake levers are not partially squeezed.
- **Brakes feel weak:** Inspect brake pads for wear, adjust brake cable tension, or consult a professional for hydraulic brake bleeding if applicable.
- **Unusual noises:** Check for loose components, chain rubbing, or debris in the drivetrain.

9. Specifications

Feature	Specification
Bike Type	Electric Bike
Motor	Peak 1000W Brushless Motor
Battery	48V 13AH/18AH Integrated (62.4 Watt Hours)
Max Speed	20-28 MPH
Range	75-105 Miles (depending on battery option)
Tires	20"x3.0" Puncture-Resistant Fat Tires
Gearing	7-Speed Shimano
Brakes	Mechanical Disc Brakes (180mm rotors)
Frame Material	6061 Aluminum (Step-Thru)
Suspension	Dual Suspension
Headlight	2000-Lumen
Weight	67 LBS
Load Capacity	Max 330 LBS

10. Warranty & Support

isinwheel offers dedicated customer support for your U8 Electric Bike. For any inquiries or assistance, please contact us:

- **Call Center:** 1(888) 293-5788
- **Live Chat/Email:** support@isinwheel.com

We are committed to providing 24-hour after-sale support to ensure your satisfaction.



The integrated battery of the isinwheel U8 Electric Bike.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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