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## isinwheel U1 Pro

# isinwheel U1 Pro Electric Bike User Manual

Model: U1 Pro

## 1. INTRODUCTION

Thank you for choosing the isinwheel U1 Pro Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new e-bike. Please read this manual thoroughly before your first ride and keep it for future reference.



The isinwheel U1 Pro Electric Bike, designed for urban commuting and leisure rides.

## 2. SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Perform a pre-ride inspection before each use.

- **Helmet Use:** Always wear a certified helmet.
- **Pre-Ride Check:** Inspect brakes, tires, battery level, and all quick releases.
- **Traffic Laws:** Obey all road signs and traffic signals.
- **Weather Conditions:** Exercise caution in wet or slippery conditions.

- **Weight Limit:** Do not exceed the maximum load capacity of 264 lbs.

## 3. INITIAL SETUP AND ASSEMBLY

The isinwheel U1 Pro is designed for quick and easy setup. It features a foldable design for convenient storage and transport.

### 3.1 Unfolding the Bike

Carefully remove the bike from its packaging. Unfold the main frame, handlebars, and pedals. Ensure all locking mechanisms are securely engaged before riding.



The U1 Pro features a 10-second quick fold design, allowing for compact storage in car trunks, elevators, or apartments.

### 3.2 Adjusting Seat and Handlebars

Adjust the seat post and handlebar stem to a comfortable riding height. Ensure the quick-release levers are tightened securely after adjustment.



The height-adjustable seat allows for customization to individual rider height and preferences.

### 3.3 Battery Charging

Before your first ride, fully charge the 36V 10.4Ah battery. The battery is integrated into the frame for protection. Charging typically takes 4-5 hours.



## Adapt to You

The motor features adaptive power technology, instantly delivering extra assistance when facing inclines, headwinds, or additional weight



500W  
Motor



15°  
Uphill



20  
Mph

The 36V 10.4Ah battery is seamlessly integrated into the frame, offering up to 40 miles of range in pedal assist mode.

## 4. OPERATING YOUR ELECTRIC BIKE

The U1 Pro offers multiple riding modes and intelligent features for a versatile experience.

### 4.1 Powering On/Off and Display

Press and hold the power button on the handlebar display to turn the bike on or off. The display shows speed, battery level, pedal assist (PAS) level, trip distance, and odometer.



The intelligent display provides key information such as speed, battery bar, PAS level, cruiser control status, trip distance, and odometer.

### 4.2 Riding Modes

Switch between four distinct riding modes:

- **Normal Bike Mode (PAS 0):** No electric assistance; ride like a traditional bicycle.
- **Pedal Assist Mode (PAS 1-3):** The motor provides assistance as you pedal. Choose from 3 assist levels.
- **Pure Electric Mode:** Use the throttle for motor power without pedaling.
- **Walk Assist Mode:** Long press the appropriate button to engage low-speed assistance for walking the bike.



Visual representation of the four available riding modes, including Normal Bike, Pure Electric, Pedal Assist (PAS 1-3), and Walk Assist.

### 4.3 Smart Uphill Feature

The 500W motor, combined with intelligent algorithms, automatically detects inclines and adjusts power assistance to maintain speed and ease of climbing up to 15° hills.



The motor adapts to provide extra assistance when facing inclines, headwind, or additional weight, ensuring a smooth ride.

### 4.4 Cargo Basket

The integrated rear basket provides convenient storage for carrying essentials. Ensure items are securely placed and do not exceed the 11 lbs maximum load.



The standard rear basket offers convenient storage for carrying groceries, bags, and other essentials, with a maximum load of 11 lbs.

### 4.5 Riding Experience Video

Your browser does not support the video tag.

This video demonstrates a first-person riding experience on an electric bike, showcasing the smooth operation and road view. While titled for a different model, it illustrates general e-bike riding dynamics.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your isinwheel U1 Pro.

### 5.1 General Care

- **Cleaning:** Wipe the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** Regularly lubricate the chain and moving parts.
- **Tire Pressure:** Maintain recommended tire pressure for optimal performance and safety.

### 5.2 Battery Care

- Charge the battery regularly, even if not in use, to prolong its lifespan.
- Avoid fully discharging the battery.
- Store the bike and battery in a cool, dry place.

### 5.3 Brake System

The U1 Pro is equipped with dual disc brakes. Regularly check brake pads for wear and ensure brake levers are responsive.



Dual disc brakes provide reliable stopping power, making every ride effortless and safe.

### 5.4 Suspension System

The central suspension system helps reduce the effects of bumps and vibrations for a smoother ride. Inspect for any visible damage or leaks periodically.



The central suspension reduces the effects of bumps and vibrations, contributing to a quiet ride and reduced back pressure.

## 6. TROUBLESHOOTING

This section addresses common issues you might encounter with your U1 Pro electric bike.

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|         |                |          |

| Problem                | Possible Cause  | Solution   |
|------------------------|---|--|
| Bike does not power on | Low battery; loose battery connection; power button issue             | Charge battery; check battery seating; contact support if issue persists.                                    |
| Motor not assisting    | PAS level too low; brake lever engaged; motor connection issue        | Increase PAS level; ensure brake levers are fully released; check motor cable connections.                   |
| Brakes feel weak       | Worn brake pads; loose cable; air in hydraulic system (if applicable) | Inspect and replace brake pads; adjust brake cable tension; seek professional service for hydraulic systems. |
| Unusual noises         | Loose components; dry chain; foreign object                           | Check all bolts and fasteners; lubricate chain; inspect for obstructions.                                    |

## 7. SPECIFICATIONS

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Key technical specifications for the isinwheel U1 Pro Electric Bike.

| Feature              | Detail         |
|----------------------|----------------|
| Bike Type            | Electric Bike  |
| Motor Power          | 500W           |
| Top Speed            | 20 mph         |
| Battery              | 36V 10.4Ah     |
| Range (Pedal Assist) | Up to 40 miles |
| Charging Time        | 4-5 hours      |
| Wheel Size           | 16 Inches      |
| Frame Material       | Alloy Steel    |
| Suspension Type      | Rear           |
| Max Load             | 264 lbs        |
| Bicycle Weight       | 53.5 lbs       |
| Color                | White          |

## 4 BIKE MODES+Cruiser Control



Detailed dimensions and weight specifications for the isinwheel U1 Pro electric bike.

## 8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official isinwheel website. isinwheel offers a 30-day easy return policy and dedicated customer support.

- **Returns:** 30-day easy returns.
- **Protection Plans:** Optional 2-Year Protection Plan and Complete Protect plans may be available for purchase.
- **Manufacturer:** Shenzhen Xincheng Times Technology Co.,Ltd.