

isinwheel R6

Isinwheel R6 Retro Electric Bike User Manual

Model: R6 | Brand: isinwheel

1. IMPORTANT SAFETY INFORMATION

Before operating your Isinwheel R6 Retro Electric Bike, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or property damage.

- **Wear a Helmet:** Always wear an approved bicycle helmet when riding.
- **Obey Local Laws:** Familiarize yourself with and obey all local traffic laws and regulations for electric bicycles.
- **Pre-Ride Checks:** Before each ride, inspect the brakes, tires (pressure and condition), battery charge, and ensure all lights are functional.
- **Visibility:** Utilize the integrated R/L turn signals, headlight, and taillight, especially during low-light conditions or night riding, to enhance your visibility to others.
- **Battery Safety:** Charge the battery in a well-ventilated area, away from flammable materials. Do not expose the battery to extreme temperatures or puncture it. Use only the provided charger.
- **Avoid Impairment:** Do not operate the e-bike under the influence of alcohol or drugs.
- **Rider Weight Limit:** Do not exceed the maximum load capacity of 330 lbs (150 kg).

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Isinwheel R6 Electric Bike (80% pre-assembled)
- Battery Charger
- User Manual (this document)
- Isinwheel Brand Card

- Assembly Tools (if included)

3. ASSEMBLY INSTRUCTIONS

Your Isinwheel R6 electric bike is shipped 80% pre-assembled. Follow these steps to complete the assembly:

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or returns.
2. **Handlebar Installation:** Attach the handlebar to the stem. Ensure the cables are not twisted and the handlebar is centered. Tighten the stem bolts securely.
3. **Front Wheel Installation:** If the front wheel is separate, align it with the front fork and secure it using the quick-release skewer or axle nuts. Ensure the brake rotor is correctly seated in the caliper.
4. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Apply a small amount of grease to the threads and tighten them firmly with a wrench.
5. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the seat height for a comfortable riding position. Secure the seat post clamp.
6. **Battery Installation:** Insert the battery into its compartment on the frame and ensure it clicks into place. Lock the battery with the key for security.
7. **Initial Battery Charge:** Fully charge the battery before your first ride. Connect the charger to the battery and a power outlet. The indicator light on the charger will change when charging is complete (typically 4-5 hours).
8. **Final Checks:** Double-check all bolts and fasteners for tightness. Ensure the brakes are functioning correctly and the tires are inflated to the recommended pressure (refer to tire sidewall).



1500W(Peak) Brushless Motor

Unleash Unmatched Power, Experience the Ultimate Performance.

Figure 3.1: The Isinwheel R6 Retro Electric Bike after assembly, showcasing its robust frame and fat tires.

4. OPERATING YOUR ISINWHEEL R6

Understanding the controls and features of your e-bike is crucial for a safe and enjoyable ride.

4.1 Overview of Controls

- **LCD Display:** Provides real-time information including current speed, battery level, trip distance, total distance, and indicates left/right turn signals.
- **Throttle:** Located on the handlebar, twist to engage electric-only propulsion.

- **Pedal Assist System (PAS):** Adjusts the level of motor assistance while pedaling.
- **Gear Shifter:** A 7-speed Shimano gear system allows you to select appropriate gearing for various terrains and speeds.
- **Brakes:** Front and rear disc brakes provide reliable stopping power.



Figure 4.1: The intelligent LCD display provides essential riding data at a glance, including current speed, battery level, and trip distance.

4.2 Power On/Off

To power on the bike, press and hold the power button on the LCD display. To power off, press and hold the same button until the display turns off.

4.3 Riding Modes

The Isinwheel R6 features 4+1 working modes, selectable via the intelligent LCD panel:

- **Sport Mode:** Provides maximum motor assistance for high-speed riding.
- **Race Mode:** Offers aggressive power delivery for competitive or challenging terrains.
- **Eco Mode:** Optimizes battery life by providing moderate assistance.
- **Default Mode:** Standard pedal assist level for general riding.
- **Walk Assist Mode:** Provides a low-speed motor assist (approx. 6 km/h) to help you push the bike when walking.

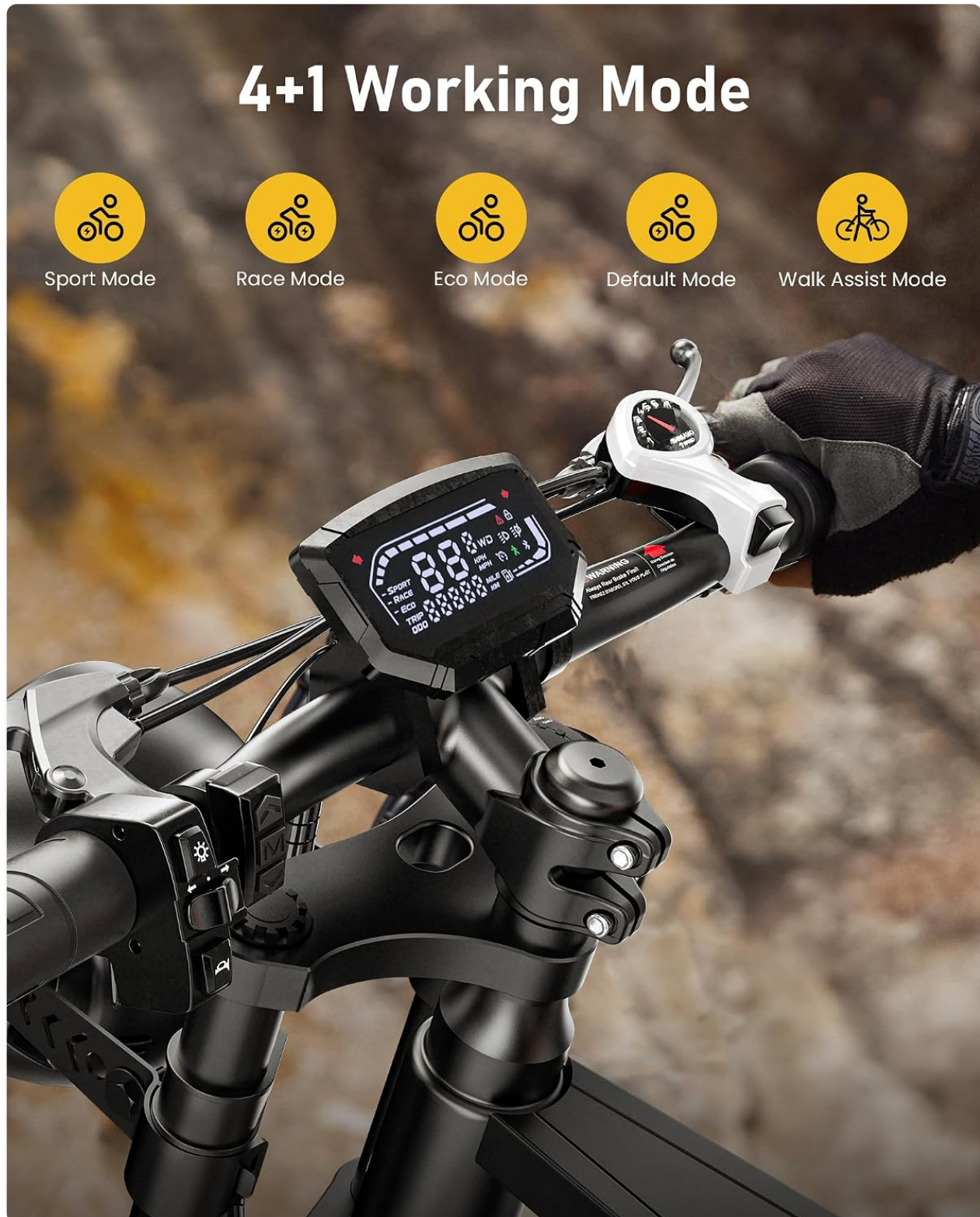


Figure 4.2: The display interface for selecting between the 4+1 riding modes, allowing customization of the riding experience.

4.4 Battery Usage and Charging

The R6 is equipped with a removable 48V 13Ah battery. It takes approximately 4-5 hours to fully charge. A full charge can provide a maximum range of 120 km (75 miles) with pedal assist, or 48-80 km (30-50 miles) in electric-only mode, depending on terrain and rider weight.



Figure 4.3: The removable 48V 13Ah battery, offering a substantial range and convenient charging.

4.5 Lights and Signals

The R6 features a retro R/L turn signals headlight and taillight for enhanced safety. Activate the headlight for night riding and use the turn signals to indicate your intentions to other road users.

Guarantee Your Safety

Super safe combo illuminate complex night roads



Figure 4.4: The retro-styled headlight and integrated taillight with turn signals provide essential illumination and communication for safe riding.

5. MAINTENANCE AND CARE

Regular maintenance ensures the longevity and optimal performance of your Isinwheel R6.

- **Cleaning:** Wipe down the bike with a damp cloth. Avoid using high-pressure water directly on electrical components.
- **Tire Pressure:** Check the pressure of the 20"x4.0" fat tires regularly. Maintain pressure within the range specified on the tire sidewall for optimal performance and safety.

- **Brake Inspection:** Periodically inspect brake pads and rotors for wear. Ensure brake levers are responsive and provide adequate stopping power. Adjust or replace components as needed.
- **Chain Lubrication:** Clean and lubricate the chain regularly, especially after riding in wet or dusty conditions, to prevent rust and ensure smooth gear changes.
- **Battery Care:** Charge the battery regularly, even if the bike is not in use, to maintain its health. If storing for an extended period, keep the battery partially charged (50-70%) in a cool, dry place.
- **Suspension Checks:** Inspect the hydraulic front damping and oil spring damping for any leaks or damage. Keep suspension components clean.
- **Fasteners:** Periodically check and tighten all bolts, nuts, and quick-release levers to ensure they are secure.

6. TROUBLESHOOTING

Here are some common issues and their potential solutions:

Problem	Possible Cause	Solution
Bike does not power on	Battery not connected, low charge, or power button issue.	Ensure battery is fully inserted and locked. Check battery charge level. Press and hold power button firmly.
Motor not assisting	Low battery, PAS level set to zero, or throttle/PAS sensor issue.	Charge battery. Increase PAS level on display. Check for any loose cable connections.
Brakes feel weak or squeal	Worn brake pads, contaminated rotors, or cable adjustment needed.	Inspect brake pads and rotors. Clean rotors with isopropyl alcohol. Adjust brake cable tension or seek professional service.
Display not working	Loose connection, battery issue, or display damage.	Check all display cable connections. Ensure battery is charged and properly installed.

7. SPECIFICATIONS

Detailed technical specifications for the Isinwheel R6 Retro Electric Bike:

Feature	Specification
Motor	1500W Peak Brushless Motor
Battery	48V 13Ah Removable Lithium-ion
Max Speed	45 KM/H (28 MPH)
Max Range (PAS)	Up to 120 KM (75 miles)
Max Range (Electric)	48-80 KM (30-50 miles)
Charging Time	4-5 hours
Tires	20" x 4.0" Fat Tires

Feature	Specification
Suspension	Dual (Hydraulic Front Damping & Oil Spring Damping)
Gears	7-Speed Shimano
Brakes	Disc Brakes (Front & Rear)
Product Dimensions	161 x 63 x 104 cm
Bicycle Weight	83.69 lbs (38 kg)
Max Load	330 lbs (150 kg)
Recommended Rider Height	5'4" - 6'1"



Figure 7.1: Visual representation of the Isinwheel R6's key dimensions and recommended rider height for optimal fit.

8. WARRANTY AND SUPPORT

Isinwheel provides a warranty for its products. The R6 Electric Bike comes with a warranty of one year or 180 days for different parts, as specified by the manufacturer.

For warranty claims, technical support, or any product-related inquiries, please refer to the contact information provided on the Isinwheel Brand Card included in your package or visit the official Isinwheel website.

