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Wheelspeed ARIES

Wheelspeed ARIES 27.5" Electric Bike User Manual

Model: ARIES

1. INTRODUCTION

Welcome to the Wheelspeed ARIES 27.5" Electric Bike user manual. This guide provides essential information for the safe and efficient operation, assembly, and maintenance of your new electric bicycle. The ARIES electric bike is designed for adults, featuring a powerful 500W motor, a 48V 11.6Ah battery, and a 7-speed transmission system, making it suitable for commuting and various terrains.



Image: The Wheelspeed ARIES 27.5" Electric Bike, showcasing its design and features.



Image: Two individuals riding Wheelspeed ARIES electric bikes on a scenic mountain trail, highlighting its suitability for off-road use.

2. SAFETY INFORMATION

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

2.1 General Safety Guidelines

- Always wear a certified helmet and other protective gear (gloves, knee pads, elbow pads).
- Familiarize yourself with local e-bike laws and regulations.
- Perform a pre-ride safety check: inspect brakes, tires, battery, and all connections.
- Do not ride under the influence of alcohol or drugs.
- Adjust your speed to road conditions, weather, and your riding experience.
- Be aware of your surroundings and other road users.



Image: An electric bike being ridden on a paved path, emphasizing safe riding practices.

3. PACKAGE CONTENTS

Upon unpacking, ensure all components are present and undamaged. If any items are missing or damaged, please contact customer support.

- Wheelspeed ARIES Electric Bike (partially assembled)
- 48V 11.6Ah Removable Battery
- Battery Charger
- User Manual
- Assembly Tools (Allen keys, wrench)

4. ASSEMBLY INSTRUCTIONS

The Wheelspeed ARIES electric bicycle comes pre-assembled. Final assembly typically involves attaching the front wheel, handlebars, seat post, and pedals. Refer to the included user guide for detailed steps. Ensure all bolts are securely tightened before riding.

4.1 Handlebar Assembly

To attach the handlebars, align the handlebar with the stem, ensuring the arrow on the stem points forward. Secure

the bracket with the provided Allen key, tightening the bolts evenly.



Image: A partially assembled electric bike, illustrating the ease of quick assembly.

4.2 Assembly and Controls Overview Video

Watch this video for a visual guide on assembly steps and an overview of the bike's controls.

Video: A detailed review of the Isinwheel U1 Ebike, demonstrating unboxing, assembly, controls, and performance tests. Note: While the video features the U1 model, the assembly and control principles are similar to the ARIES.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To turn on the e-bike, first press the red button beside the battery to activate it. Then, long-press the 'M' button on the LCD display to power on the bike's system. To turn off, long-press the 'M' button again.

5.2 LCD Display Functions

The 5-level LCD display provides essential information such as current speed, battery level, assist level, and odometer. Use the '+' and '-' buttons to adjust the pedal assist level.

FINGERTIPS CONTROL

A

5 Levels LCD Display

B

Shimano 7 Speed Shifter

C

Dual Disc Brakes

D

Throttle

E

Horn



Image: A close-up view of the bike's handlebar, showing the 5-level LCD display, Shimano 7-speed shifter, dual disc brakes, throttle, and horn.



Image: The electric bike's LCD display, indicating current speed, battery charge, and pedal assist level.

5.3 Riding Modes

- **Pure Electric Mode:** Engage the throttle to propel the bike using only motor power.
- **Pedal Assist Mode:** The motor provides assistance as you pedal. The faster you pedal, the stronger the motor's boost. The default gear is 0; ensure you select a gear for motor engagement.

5.4 Gear Shifting

The bike is equipped with a professional 7-speed Shimano transmission system. Use the shifter on the handlebar to change gears according to terrain and desired speed.



Image: Close-up of the Shimano 7-speed gear system on the rear wheel of the electric bike.

5.5 Braking System

The ARIES features front and rear disc braking systems for reliable stopping power. Always apply both brakes smoothly and evenly.



Image: A detailed view of the electric bike's disc brake system, highlighting its robust design.

5.6 Lights and Horn

The bike is equipped with an ultra-bright LED headlight for visibility. To turn on the headlight, hold the 'up' arrow button on the display for a few seconds. Repeat to turn it off. The horn is integrated into the controls for signaling.



Image: The front of the electric bike, showcasing its bright LED headlight for enhanced visibility.

5.7 Cruise Control

To engage cruise control, maintain a set speed for approximately 5 seconds. An icon will appear on the display indicating activation. To disengage, simply press either brake lever.

5.8 Suspension

The lockable front suspension fork absorbs shocks and bumps, providing a smoother ride across varied terrains.

RIDE IN COMFORT

Lockable front fork suspension can absorb most of shock and bumpy



Image: A detailed view of the electric bike's lockable front suspension fork, designed to absorb shocks for a comfortable ride.



Image: The front wheel and suspension of an electric bike, illustrating its shock-absorbing capabilities.

6. BATTERY INFORMATION

The ARIES is equipped with a 48V 11.6Ah large capacity removable battery, offering a range of 80-90km (50-56 miles) with pedal assist or 40-48km (25-30 miles) with electric power only. The battery can be charged directly on the bike or removed for charging indoors. A full charge takes approximately 6 hours.

6.1 Charging the Battery

- Connect the charger to the battery charging port.
- Plug the charger into a standard wall outlet.
- The charger indicator light will show charging status (typically red for charging, green for fully charged).
- Do not overcharge the battery. Disconnect once fully charged.

6.2 Battery Protection System

The battery features a comprehensive Battery Management System (BMS) for protection against overcharge, over-discharge, overcurrent, short circuit, and temperature fluctuations, ensuring safety and extending battery life.



GO ANYWHERE YOU WANT
High capacity battery with safe BMS for long range travel

56 Miles Max Travel Distance	48V 11.6AH Removable & Lockable Battery	Safe BMS Extend Battery Life
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Image: A detailed view of the electric bike's removable and lockable 48V 11.6Ah battery pack.



Image: The electric bike's battery, emphasizing its long-range capabilities for extended rides.



Image: A diagram illustrating various icons representing the battery's protection system, including overcharge, over-discharge, and temperature protection.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bike.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tires:** Check tire pressure before each ride. Recommended pressure is typically found on the tire sidewall.
- **Brakes:** Regularly inspect brake pads and rotors for wear. Adjust brakes as needed to ensure proper stopping power.
- **Chain:** Keep the chain clean and lubricated for smooth gear changes and to prevent rust.
- **Fasteners:** Periodically check all bolts and fasteners for tightness.
- **Battery Care:** Store the battery in a cool, dry place and charge it regularly, even if not in use, to maintain its health.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Wheelspeed ARIES electric bike.

- **Bike Not Turning On:** Ensure the battery's red button is pressed to activate it, then long-press the 'M' button on the display. Check battery charge level.
- **Motor Not Engaging:** In Pedal Assist Mode, ensure a gear level (1-5) is selected on the display, as the default

is 0. Check all cable connections.

- **Reduced Range:** Battery range can be affected by terrain, rider weight, assist level, and temperature. Ensure the battery is fully charged.
- **Display Issues:** If the display is showing missing characters or not functioning correctly, ensure all connections are secure. Contact customer support if the issue persists.
- **Pedals Not Fitting:** Ensure you are using the correct pedals and that they are threaded correctly into the crank arms.

9. SPECIFICATIONS

Detailed technical specifications for the Wheelspeed ARIES Electric Bike.



Recommended Height
5.6-6.8FT



Load Capacity
MAX 265LBS



Bicycle Weight
49.6 LBS

A. Total Length	68.9"	F. Chainstay Length	17.7"
B. Handlebar Height	40.6"	G. Seat Tube	18.5"
C. Wheelbase	42.5"	H. Top Tube Length	22.8"
D. Minimum Seat Height	35.6"	I. Head Tube Length	9.4"
E. Maximum Seat Height	40.9"	J. Handlebar Length	25"

Image: A diagram illustrating the key dimensions of the Wheelspeed ARIES electric bike, including total length, handlebar height, wheelbase, and seat heights.

Feature	Specification
Model Number	ARIES

Feature	Specification
Product Dimensions	175 x 63 x 106 cm
Item Weight	23 kg
Age Range	Adult
Bike Type	Electric Mountain Bike
Brake Type	Disc
Colour	Black
Wheel Size	27.5 Inches
Frame Material	Aluminum
Number of Speeds	7
Power Source	Battery
Wattage	500 watts
Suspension	Front Suspension Fork
Max Speed	32 km/h (20 mph)
Battery Capacity	48V 11.6Ah
Range (Pedal Assist)	80-90 km (50-56 miles)
Range (Electric Only)	40-48 km (25-30 miles)
Charging Time	Approx. 6 hours
Max Load	120 kg (265 lbs)
Suitable Height	167-204 cm (5.5-6.7 ft)

10. WARRANTY AND SUPPORT

For any questions, concerns, or warranty claims regarding your Wheelspeed ARIES electric bike, please contact Wheelspeed customer support. Refer to your purchase documentation for specific warranty terms and contact information.