

Aairsk RS5

Aairsk RS5-48V20AH Foldable Electric Bike User Manual

Model: RS5-48V20AH

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Aairsk RS5-48V20AH Foldable Electric Bike. Please read it thoroughly before your first ride and keep it for future reference. The Aairsk RS5-48V20AH is a 14-inch foldable electric bike designed for urban commuting and recreational use. It features a 748W peak brushless motor, a 48V 20Ah removable lithium battery, and offers a maximum speed of 22 MPH with a range of up to 45 miles in pedal-assist mode. Its foldable design enhances portability and storage convenience.

2. SAFETY INFORMATION

Your safety is paramount. Always adhere to the following guidelines:

- Wear a helmet and appropriate safety gear at all times.
- Familiarize yourself with local traffic laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Ensure the battery is securely locked in place before riding.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Do not exceed the maximum load capacity of 330 pounds (150 kg).
- Use the integrated lighting system (headlight, taillight, turn signals) for visibility, especially during low-light conditions.

3. PACKAGE CONTENTS

Upon unpacking, verify that all items are present and undamaged:

- Aairsk RS5-48V20AH Foldable Electric Bike
- 48V 20Ah Lithium Battery (pre-installed or separate)
- Power Adapter/Charger
- Keys (for battery lock)
- Tool Kit
- Mudguards (if not pre-installed)
- User Manual (this document)
- Mobile Phone Holder



Image: The Aairsk RS5-48V20AH electric bike shown with its various components and included accessories such as keys, a phone holder, and a coiled lock.

4. SETUP AND FIRST USE

4.1 Unfolding the Bike

1. Place the folded bike on a flat, stable surface.
2. Release the frame latch (usually located near the center of the frame) and carefully unfold the main frame until it locks into place.
3. Adjust the handlebar stem: Release the handlebar latch, raise the stem to the desired height, and secure the latch. Ensure the handlebar is aligned with the front wheel.
4. Adjust the seat post: Release the seat post clamp, raise or lower the seat to a comfortable riding height (suitable for riders 5'0" to 5'9"), and secure the clamp.
5. Unfold the pedals if they are foldable.



Image: The Aairsk RS5-48V20AH electric bike folded and stored in the trunk of a car, demonstrating its compact size (35x26 inches folded).

4.2 Battery Installation and Charging

- If the battery is separate, insert it into its compartment and lock it using the provided key.
- Before first use, fully charge the battery. Connect the power adapter to the charging port on the bike or directly to the battery if removable.
- Plug the adapter into a standard wall outlet. The indicator light on the charger will typically turn red during charging and green when fully charged.
- Charging time is approximately 4-6 hours for a full charge.



Image: A detailed view of the 48V 20Ah removable lithium battery, highlighting its intelligent safety features (BMS) and lockable design, offering a maximum range of 45 miles in pedal-assist mode.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off and Display

- To power on, press and hold the power button on the LCD display.
- The smart LCD display shows real-time data including speed, battery level, and riding mode. It features auto-backlight and key anti-theft functions.
- To power off, press and hold the power button again.



Image: Close-up of the smart LCD display on the handlebar, showing features like auto-backlight, real-time data monitoring, 3-speed levels, and key anti-theft functionality. A phone holder with a charging cable is also visible.

5.2 Riding Modes

The Aairsk RS5 offers three riding modes:

- **Pure Electric Mode:** Engage the twist throttle for motor-only propulsion.

- **Pedal-Assisted (PAS) Mode:** The motor provides assistance as you pedal. This mode extends battery range.
- **Classic Bicycle Mode:** Ride without motor assistance, using pedals only.

Switch between modes using the controls on the handlebar.

5.3 Speed Adjustment

The bike features 3 adjustable speed gears:

- Speed 1: Approximately 16 MPH
- Speed 2: Approximately 21 MPH
- Speed 3: Approximately 23 MPH (Maximum speed)

Press the "M" button next to the LCD display to cycle through the speed gears. Alternatively, use the twist throttle for direct acceleration.

5.4 Braking System

The Airsk RS5 is equipped with front and rear disc brakes, complemented by an electronic brake for enhanced stopping power and safety.

SAFE AND CONSIDERATE DESIGN

Digital Display



Phone holder and USB Charge Port



Headlight and Auto brake taillight



E-ABS Front And Rear Disc Brakes



Image: A composite image showcasing the bike's safety and convenience features, including the digital display, phone holder with USB charge port, bright headlight and auto brake taillight, and E-ABS front and rear disc brakes.

6. MAINTENANCE

6.1 Regular Checks

- **Tires:** Check tire pressure regularly. The 14" x 2.12" fat tires are designed for various terrains but proper inflation is crucial for performance and safety.
- **Brakes:** Inspect brake pads and cables for wear. Ensure brakes respond effectively.
- **Chain:** Keep the chain clean and lubricated to ensure smooth operation and prevent rust.
- **Fasteners:** Periodically check all bolts and nuts for tightness.

6.2 Battery Care

- Charge the battery fully after each ride, or at least once a month if not in use, to prolong its lifespan.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not expose the battery to water or moisture.

6.3 Cleaning and Storage

- Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- Store the folded bike in a dry, secure location. Its compact size (35x26 inches folded) allows for easy storage in small spaces.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bike does not power on	Battery is low or not connected; Power button not pressed correctly.	Charge the battery; Ensure battery is securely installed and locked; Press and hold the power button firmly.
Motor not assisting (PAS mode)	PAS level set to zero; Battery low; Sensor issue.	Increase PAS level on display; Charge battery; Contact support if issue persists.
Brakes feel weak	Worn brake pads; Loose brake cable; Air in hydraulic system (if applicable).	Inspect and replace brake pads; Adjust brake cable tension; Seek professional service.
Unusual noises during ride	Loose components; Dry chain; Debris in moving parts.	Check all fasteners; Lubricate chain; Inspect for foreign objects.

8. SPECIFICATIONS

Feature	Detail
Model	Aairsk RS5-48V20AH
Motor	500W Brushless Hub Motor (748W Peak)
Battery	48V 20Ah Lithium Battery (720Wh)
Max Speed	22 MPH (35 km/h)
Max Range	Up to 30 miles (Pure Electric), Up to 45 miles (PAS Mode)

Feature	Detail
Wheel Size	14 Inches (14" x 2.12" Fat Tires)
Frame Material	High-Carbon Steel
Brakes	Front and Rear Disc Brakes + Electronic Brake
Suspension	Dual Suspension
Max Load Capacity	330 lbs (150 kg)
Net Weight	66 lbs (25 kg)
Folded Dimensions	35 x 26 Inches (approx. 89 x 66 cm)
Recommended Rider Height	5'0" to 5'9" (152 cm to 175 cm)
Special Features	Digital Display, Phone Holder, USB Charge Port, Adjustable Headlight, Responsive Taillight, Turn Signals

POWERFUL BRUSHLESS MOTOR



Peak 748W
500W Hub Motor



20-22 MPH
Max Speed



25°
Up Hill



500 TIMES
Upgrade Motor



Image: An exploded view of the powerful 500W (748W Peak) brushless hub motor, illustrating its internal components and highlighting its capability for speeds up to 22 MPH and climbing inclines of 25 degrees.

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact the manufacturer directly.

- Manufacturer: Douma Technology (Huizhou) Co., Ltd
- Email: foreversanmi@163.com
- For returns, the buybox winner indicates a 30-day refund/replacement policy.

