Aairsk X5

Aairsk X5 Electric Bicycle User Manual

Model: X5 | Brand: Aairsk

Introduction

Thank you for choosing the Aairsk X5 Electric Bicycle. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new e-bike. Please read it thoroughly before your first ride and keep it for future reference. The Aairsk X5 is an adult electric bicycle featuring 20x4 inch fat tires, a powerful 48V 15Ah removable battery, and a 250W motor, designed for versatile all-terrain use with a range of up to 80 km on pedal assist.



Figure 1: Aairsk X5 Electric Bicycle, showcasing its robust design and fat tires.

Safety Information

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

- **Wear a Helmet:** Always wear an approved bicycle helmet when riding.
- **Local Regulations:** Familiarize yourself with and obey all local traffic laws and regulations regarding electric bicycles.
- **Pre-Ride Checks:** Before each ride, inspect brakes, tires, battery, and all fasteners to ensure they are secure and functioning correctly.
- **Braking:** Practice using both front and rear brakes smoothly. Be aware that electric bikes can stop faster than traditional bikes due to their weight and power.
- **Night Riding:** Utilize the integrated LED headlight and taillights for visibility during low-light conditions. Consider additional reflective gear.
- **Weather Conditions:** Exercise caution when riding in wet or slippery conditions. Reduce speed and increase

braking distance.

- **Weight Limit:** Do not exceed the maximum recommended load of 200 kg (440 lbs).
- **Age Recommendation:** This e-bike is intended for adult riders.

Package Contents

Upon unpacking, please verify that all the following components are included:

- Aairsk X5 Electric Bicycle (partially assembled)
- 48V 15Ah Removable Battery
- Electric Bicycle Charger
- Tool Kit
- Bicycle Pump
- Cycling Bag (Front storage bag)
- NFC Key (for activation)

Setup and Assembly

The Aairsk X5 Electric Bicycle requires some assembly. While the process is generally straightforward, it is recommended to consult a professional bicycle mechanic if you are unsure about any steps. Please note that a detailed assembly instruction manual may not be included in the package.

1. **Unpack:** Carefully remove all components from the packaging.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely.
3. **Front Wheel:** Install the front wheel, making sure the disc brake rotor is correctly seated in the caliper.
4. **Pedals:** Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and they thread in opposite directions.
5. **Seat Post:** Insert the seat post and adjust the seat height for comfortable riding. Secure it firmly.
6. **Battery Installation:** Insert the fully charged battery into its compartment and secure it.
7. **Pre-Ride Check:** Before your first ride, double-check all bolts, nuts, and quick releases for tightness. Test the brakes and tire pressure.



Figure 2: Overview of the Aairsk X5 Electric Bicycle, illustrating key components that may require assembly or adjustment.

Operating Instructions

Familiarize yourself with the controls and display before riding.

Handlebar Control System



Figure 3: Integrated handlebar control system, showing the central display, headlight switch, horn button, E-Shift 3-speed control, and NFC key area.

- **Power On/Off:** Use the NFC key to activate the bike. The central display will illuminate.
- **Display:** The color display shows speed (km/h), battery level, current assist mode, and total distance.
- **Riding Modes:** The X5 features 3 riding modes (E-Shift 3 Velocità).
    - **Pedal Assist:** Provides motor assistance as you pedal. Select from 3 levels of assistance.
    - **Throttle Mode:** (If available and legal in your region) Allows propulsion without pedaling.
    - **Manual Mode:** Ride as a traditional bicycle without motor assistance.
- **Headlight Switch:** Use the dedicated button on the handlebar to turn the LED headlight on or off.
- **Horn Button:** Press the horn button to alert others.
- **Brakes:** The bike is equipped with dual disc brakes (front and rear). Apply both brakes gently and evenly for effective stopping.
- **Turn Signals:** The bike features front and rear turn signals for indicating turns.

Battery Information

The Aairsk X5 is powered by a removable 48V 15Ah lithium-ion battery.



Figure 4: The removable 48V 15Ah lithium battery, shown charging separately from the bicycle.

- **Charging:** Use only the provided charger. Connect the charger to the battery, then plug it into a standard power outlet.
- **Charging Time:** A full charge typically takes 5-6 hours. The charger indicator light will change when charging is complete.
- **Removal:** The battery is designed to be removable for convenient charging or storage. Follow the manufacturer's instructions for safe removal and re-installation.
- **Battery Care:**
    - Avoid fully discharging the battery.
    - Store the battery in a cool, dry place when not in use.
    - Charge the battery at least once every two months if not used regularly.

- Do not expose the battery to extreme temperatures or direct sunlight.

Maintenance

Regular maintenance ensures the longevity and safe operation of your Aairsk X5.

- **Tires:** Maintain correct tire pressure for the 20x4 inch fat tires. Check regularly with a pressure gauge.
- **Brakes:** Inspect brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to prevent rust and ensure smooth operation.
- **Fasteners:** Periodically check all bolts, nuts, and screws for tightness.
- **Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Suspension:** Check the front suspension fork for proper function and ensure it is free of dirt and debris.

Troubleshooting

If you encounter issues with your Aairsk X5, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not installed correctly, battery discharged, NFC key not used.	Ensure battery is fully seated and charged. Use the NFC key to activate.
Motor not assisting.	Low battery, pedal assist level set to zero, brake lever engaged.	Charge battery. Increase pedal assist level on display. Ensure brake levers are fully released.
Brakes feel weak.	Worn brake pads, loose cable, air in hydraulic system (if applicable).	Inspect and replace brake pads. Adjust brake cable tension. Consult a professional if issues persist.
Unusual noises during ride.	Loose components, dry chain, rubbing brakes.	Check all fasteners. Lubricate chain. Inspect brake calipers for rubbing.

If you encounter any problems not listed here or if the suggested solutions do not resolve the issue, please contact Aairsk customer support for assistance.

Specifications

Feature	Detail
Model Number	X5
Brand	Aairsk
Motor Power	250 Watts (Hub Motor)
Battery	48V 15Ah Removable Lithium-ion
Max Speed	25 km/h
Range (Pedal Assist)	Up to 80 km
Wheel Size	20 inches (50.8 cm)
Tire Width	4 inches (10.16 cm) Fat Tyre

Feature	Detail
Frame Material	High-strength Steel Alloy
Suspension Type	Full Suspension (Front Fork Suspension)
Brake Type	Dual Disc Brakes (Front and Rear)
Number of Speeds	3 (Electronic Shift)
Max Load Capacity	200 Kilograms (440 lbs)
Item Weight	35 Kilograms (77 lbs)
Minimum User Height	1.55 Meters (5.1 feet)
Intended Riding Terrain	Asphalt paths, unpaved trails, mountainous terrain (Road, Gravel, Snow, Sand, Mountain)
Special Features	75 Nm high-speed motor, front and rear turn signals, removable rear seat, front fork suspension.



Figure 5: Detailed view of the 250W high-speed hub motor, highlighting its robust construction.



Figure 6: The 20x4 inch fat tires, designed for stability and conquering diverse terrains including mountain, urban, snowy, and sandy roads.



Figure 7: Key dimensions of the Aairsk X5 Electric Bicycle, along with details on the high-intensity headlight and front and rear disc brakes.

Warranty and Support

Aairsk is committed to providing quality products and customer satisfaction.

- **Customer Support:** If you encounter any problems during the use of your electric mountain bike, please contact us immediately. We are dedicated to assisting you.
- **Manufacturer:** Douma Technology (Huizhou) Co., Ltd.
- **Warranty Information:** Specific warranty details are not provided in this manual. Please refer to your purchase documentation or contact Aairsk customer service for comprehensive warranty terms and conditions.

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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