Aairsk GT900

Aairsk GT900 Electric Mountain Bike User Manual

Model: GT900 | Brand: Aairsk

1. Introduction

Welcome to the user manual for your new Aairsk GT900 Electric Mountain Bike. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your e-bike. Please read it thoroughly before your first ride to ensure optimal performance and safety.

The Aairsk GT900 is designed for adults, featuring a powerful 750W peak brushless motor capable of reaching speeds up to 25 MPH. It is equipped with a 468Wh removable battery, offering a travel range of up to 40 miles on a single charge. Key features include an intuitive LCD display, 21-speed gears, dual suspension, and front and rear mechanical disc brakes for a comfortable and secure riding experience.



Figure 1.1: Aairsk GT900 Electric Mountain Bike with its LCD display.

2. Setup and Assembly

While the Aairsk GT900 is largely pre-assembled, some minor assembly and adjustments are required before your first ride.

2.1 Unpacking and Initial Inspection

- Carefully remove all components from the packaging.
- Inspect the bike for any visible damage that may have occurred during shipping. Contact customer support immediately if you find any damage.
- Verify all included components are present: fender, tire pump, charger, headlight, and tool kit.

2.2 Assembly Steps

1. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and the bolts are tightened securely.

2. **Front Wheel Installation:** Install the front wheel, ensuring the quick-release skewer or axle nuts are properly secured.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms. Note that the left pedal has a reverse thread. Tighten firmly with a wrench.
4. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame. Adjust the saddle height to ensure a comfortable and safe riding position. Your feet should be able to touch the ground when seated.



Figure 2.1: The adjustable seat allows for comfortable riding for various heights.

2.3 Battery Installation and Initial Charge

The Aairsk GT900 features a removable 36V 13Ah (468Wh) lithium-ion battery.

- Ensure the battery is securely installed in its compartment.
- Before your first ride, fully charge the battery. Connect the charger to the bike's charging port and then to a power outlet. The charging indicator on the charger will change when fully charged.
- A full charge typically takes 5-6 hours.



Figure 2.2: The 468Wh removable battery provides a long travel range.

3. Operating Your E-Bike

3.1 Powering On/Off

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

3.2 LCD Display Functions

The intuitive LCD display provides real-time information about your ride.

- **Speed:** Current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **Pedal Assist Level (PAS):** Shows the current level of motor assistance (0-5).
- **Travel Distance:** Displays trip distance or total odometer.

- **Headlight Indicator:** Shows if the headlight is on.



Figure 3.1: The LCD display provides essential riding data and includes a USB charging port.

3.3 Riding Modes and Pedal Assist

The GT900 offers three riding modes and five levels of pedal assist.

- **Pedal Assist Mode (PAS):** The motor provides assistance as you pedal. Use the '+' and '-' buttons on the display to adjust between 5 levels of assistance. Higher levels provide more motor power.
- **Throttle Mode:** Engage the thumb throttle for a fully electric ride without pedaling. This mode is ideal for quick acceleration or when you need a break from pedaling.
- **Normal Bike Mode:** Ride the e-bike like a traditional bicycle with no motor assistance.



Figure 3.2: Choose from three riding modes and five levels of pedal assist for a customized experience.

3.4 Gear Shifting

The e-bike is equipped with 21-speed gears (Shimano derailleur) to adapt to various terrains and riding conditions.

- Use the twist grip shifters on the handlebar to change gears.
- Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.
- Always pedal lightly when shifting gears to ensure smooth transitions and prevent damage to the drivetrain.

3.5 Braking System

The GT900 features front and rear mechanical disc brakes for reliable stopping power.

- Apply both brake levers simultaneously for effective and controlled braking.
- Avoid sudden, hard braking, especially at high speeds or on slippery surfaces, to prevent skidding.

4. Maintenance

Regular maintenance is crucial for the longevity and safe operation of your Aairsk GT900 e-bike.

4.1 Battery Care

- Charge the battery regularly, even if the bike is not in use, to maintain its health.
- Avoid fully discharging the battery before recharging.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use only the original charger provided with your e-bike.

4.2 Tire Maintenance

- Check tire pressure before each ride. Maintain the recommended pressure (usually indicated on the tire sidewall) for optimal performance and safety.
- Inspect tires for wear, cuts, or punctures regularly.

4.3 Brake Maintenance

- Regularly check brake pads for wear and replace them when necessary.
- Ensure brake levers are firm and responsive. Adjust brake cables if there is excessive slack.

4.4 General Cleaning and Inspection

- Clean your e-bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- Lubricate the chain periodically to ensure smooth operation and prevent rust.
- Check all bolts and fasteners for tightness before each ride.

5. Troubleshooting

This section addresses common issues you might encounter with your Aairsk GT900 e-bike.

Problem	Possible Cause	Solution
E-bike does not power on.	Battery is not charged or not properly installed. Loose electrical connection.	Ensure battery is fully charged and securely seated. Check all visible cable connections.
Motor not engaging.	Pedal assist level is 0. Brake levers are engaged. Motor or controller issue.	Increase PAS level. Release brake levers. If problem persists, contact support.
Battery not charging.	Charger not connected properly. Faulty charger or battery.	Ensure charger is firmly connected to bike and power outlet. Check charger indicator light. Contact support if issue continues.
Gears are not shifting smoothly.	Derailleur misalignment. Dirty or unlubricated chain.	Clean and lubricate the chain. Adjust derailleur if necessary (consult a bike mechanic if unsure).

For issues not listed here or if solutions do not resolve the problem, please contact Aairsk customer support.

6. Specifications

Feature	Detail
Model Name	GT900
Bike Type	Electric City Bike / Electric Mountain Bike
Motor	400W Rated, 750W Peak Brushless Motor
Max Speed	25 MPH
Battery	36V 13Ah (468Wh) Removable Lithium-Ion with BMS
Charging Time	5-6 hours
Travel Range	Up to 40 miles (PAS mode)
Number of Speeds	21 (Shimano)
Wheel Size	26 Inches
Tire Width	1.95 Inches
Frame Material	High Carbon Steel
Suspension Type	Front
Brake Style	Disc (Mechanical Front & Rear)
Load Capacity	Up to 330 lbs
Included Components	Fender, Tire pump, Charger, Headlight, Tool Kit

7. Warranty and Support

Aairsk provides comprehensive support for your GT900 Electric Mountain Bike.

7.1 Warranty Information

Your Aairsk GT900 e-bike comes with a**3-year manufacturer warranty** covering all parts of the e-bike. This warranty includes:

- Technical support and fault diagnosis.
- Free replacement parts, including shipping costs for the parts.
- Installation videos for replacement parts to assist with repairs.

7.2 Customer Support

For any technical assistance, warranty claims, or other inquiries, please contact Aairsk customer support. When contacting support, please provide a detailed description of the issue, and attach relevant videos and pictures if possible.

Email: support@aairsk.com

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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.

Submit question

Answered questions about this manual

What model of brake pads does the Aairsk GT900 use, and does it include a kickstand?

Based on the Aairsk GT900 user manual, here is the information regarding your request:Brake Pads: The manual specifies that the bike uses front and rear mechanical disc brakes. While it does not list a...

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