Aairsk GT900

Aairsk GT900 Electric Bike User Manual

Model: GT900 | Brand: Aairsk

1. Introduction

Welcome to the Aairsk GT900 Electric Bike User Manual. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure proper assembly, safe usage, and optimal performance.
The Aairsk GT900 is a 26-inch electric mountain bike designed for adults, featuring a powerful 750W peak motor, a long-range battery, 21-speed Shimano gears, and a full suspension system, making it suitable for various terrains including commuting, touring, gravel, road, snow, and trail riding.

2. Safety Information

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

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local traffic laws and regulations regarding electric bicycles.
- 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.
- Be aware of your surroundings and ride defensively.
- Ensure the battery is securely locked in place before riding.
- Avoid riding in extreme weather conditions.
- Do not exceed the maximum load capacity of 330 lbs.

3. Package Contents

Upon opening the package, please verify that all components are present and undamaged:

- 1x Aairsk 26" Electric Bike (GT900 Model)
- 1x Charger
- 1x Tool Kit
- 1x User Manual (this document)
- 1x Card Key for Keyless Unlock



Image: The Aairsk GT900 Electric Bike, as it appears upon unboxing. This is the main product included in the package.

4. Setup and Assembly

The Aairsk GT900 electric bike comes 90% pre-assembled. Follow these steps for final assembly:

1. **Handlebar Installation:** Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding.
2. **Front Wheel Installation:** Install the front wheel, ensuring the disc brake rotor is correctly aligned with the caliper. Secure the quick-release skewer or axle nuts.
3. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Apply a small amount of grease to the threads before installation.
4. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height to ensure your feet can comfortably touch the ground when stopped. Secure the quick-release clamp.
5. **Battery Installation:** Ensure the detachable battery is fully inserted into the frame and locked securely. The battery can be charged while installed or removed.
6. **Pre-Ride Checks:** Before your first ride, double-check all bolts and quick releases for tightness. Verify brake functionality,

tire pressure, and ensure the display powers on.

An installation video is typically available on the product page for visual guidance.

5. Operating Instructions

5.1 Powering On/Off and Keyless Unlock

To power on the e-bike, use the provided card key. Simply touch the card key to the LCD display. The display will power on. To power off, touch the card key to the LCD display again.



Image: The smart LCD display and the card key used for keyless unlock. The display shows speed, battery level, and assistance mode.

5.2 LCD Display Functions

The intuitive LCD display provides real-time data to keep you informed during your ride:

- **Speed:** Current riding speed.

- **Battery Level:** Indicates remaining battery charge.
- **Distance:** Tracks trip distance.
- **Assistance Mode:** Shows the current pedal assist level.

5.3 Riding Modes

The GT900 offers three distinct riding modes to suit your preference and terrain:

- **Classic Bike Pedal Mode:** Ride as a traditional bicycle without electric assistance.
- **Throttle Mode:** Engage the thumb throttle for a fully electric experience, providing power without pedaling. Range: 18-23 miles.
- **Pedal Assist (PAS) Mode:** The motor provides assistance as you pedal. There are 5-speed assistance levels. Range: 25-40 miles.



Image: Visual representation of the three driving modes: Classic Bike Pedal Mode, Throttle Mode, and Pedal Assist Mode, illustrating their typical range capabilities.

5.4 Shifting Gears (21-Speed Shimano)

The 21-speed Shimano transmission allows you to adapt to various terrains and inclines. Use the shifters on the handlebar to change gears smoothly. The left shifter controls the front derailleur (3 speeds), and the right shifter controls the rear derailleur (7 speeds).



Image: Close-up of the Shimano gear shifters and rear derailleur, highlighting the 21-speed transmission system for versatile riding.

5.5 Braking System (Dual Disc Brakes)

The GT900 is equipped with front and rear disc brakes for reliable stopping power. Apply both brakes simultaneously for effective and controlled deceleration. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.



Image: Detail of the front disc brake, illustrating the braking mechanism for improved stopping performance.

5.6 Suspension System

The GT900 features a dual suspension system with an adjustable and lockable front suspension fork and a high-quality rear shock absorber. This system is designed to absorb bumps and provide a smoother, more stable ride on various terrains, from city streets to rough trails.

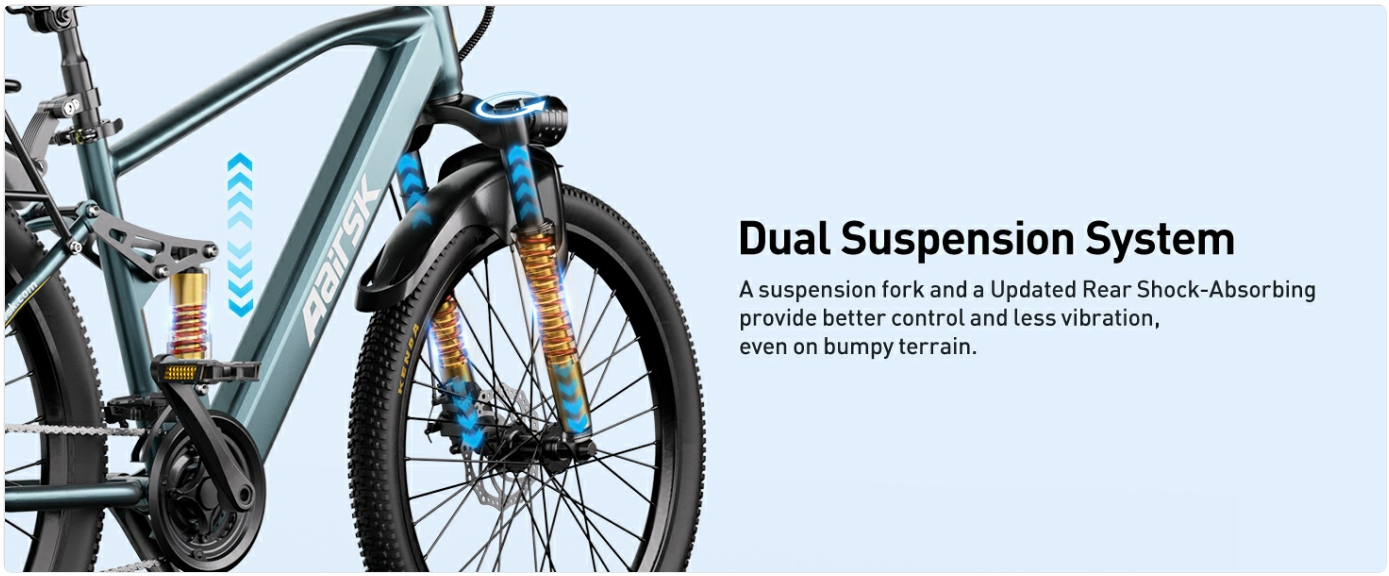


Image: Diagram showing the front and rear suspension components, highlighting their function in absorbing shocks for a comfortable ride.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your Aairsk GT900 e-bike.

- **Battery Care:**
  - Charge the 36V 13Ah (468WH) lithium battery fully (5-6 hours) before first use and after each ride.
  - Do not allow the battery to fully discharge for extended periods.
  - Store the battery in a cool, dry place when not in use.

- The battery can be disassembled and replaced, but cannot be charged separately from the bike.
- The BMS system provides overcharge and overheating protection.

- **Tire Pressure:** Check tire pressure regularly. The 1.95" x 26" wider tires offer versatile terrain handling, increased comfort, better traction, and enhanced stability. Maintain recommended pressure for optimal performance and safety.
- **Brakes:** Inspect brake pads and rotors for wear. Adjust brake cables as needed to ensure responsive braking.
- **Chain and Drivetrain:** Keep the chain clean and lubricated. Regularly check the 21-speed Shimano gears for smooth operation and adjust if shifting becomes imprecise.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.



Image: Diagram showing the integrated 468Wh lithium battery within the bike frame, highlighting its detachable and replaceable nature.

7. Troubleshooting

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

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, battery not properly seated, card key not detected.	Ensure battery is charged. Re-seat the battery firmly. Touch the card key to the LCD display.
Motor not assisting.	PAS level set to 0, battery low, motor connection loose.	Increase PAS level on the display. Charge the battery. Check motor cable connections.
Brakes feel weak.	Worn brake pads, loose brake cable, air in hydraulic system (if applicable).	Inspect and replace brake pads if worn. Adjust brake cable tension. Consult a professional bike mechanic for hydraulic brake issues.
Gears are not shifting smoothly.	Derailleur out of adjustment, dirty chain, bent hanger.	Clean and lubricate the chain. Adjust derailleur limits and cable tension. If hanger is bent, seek professional repair.

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

8. Specifications

Feature	Detail
Model	GT900
Bike Type	Electric Mountain Bike
Motor	750W Peak Brushless Motor
Max Speed	20-23 mph (approx. 32-37 km/h)
Battery	36V 13Ah (468WH) Lithium-Ion, Detachable
Charging Time	5-6 hours
Max Range (PAS Mode)	40+ miles (approx. 64+ km)
Max Range (Throttle Mode)	18-23 miles (approx. 29-37 km)
Gears	21-Speed Shimano Transmission
Brakes	Front and Rear Disc Brakes
Suspension	Dual Suspension (Adjustable Front, Rear Shock Absorber)
Wheel Size	26 Inches
Tire Size	1.95" x 26"
Frame Material	High Carbon Steel
Item Weight	28.25 kg (approx. 62.28 lbs)
Max Load Capacity	330 lbs (approx. 150 kg)
Dimensions (L x W x H)	170 x 65.5 x 100 cm (approx. 67 x 25.8 x 39.4 inches)
Recommended Height	61.5 - 73 inches (approx. 5'1" - 6'1")
Special Features	Adjustable Seat, Digital Display, Dual Suspension, Headlight, Lightweight, Keyless Unlock
Usage Terrain	Gravel, Road, Snow, Trail

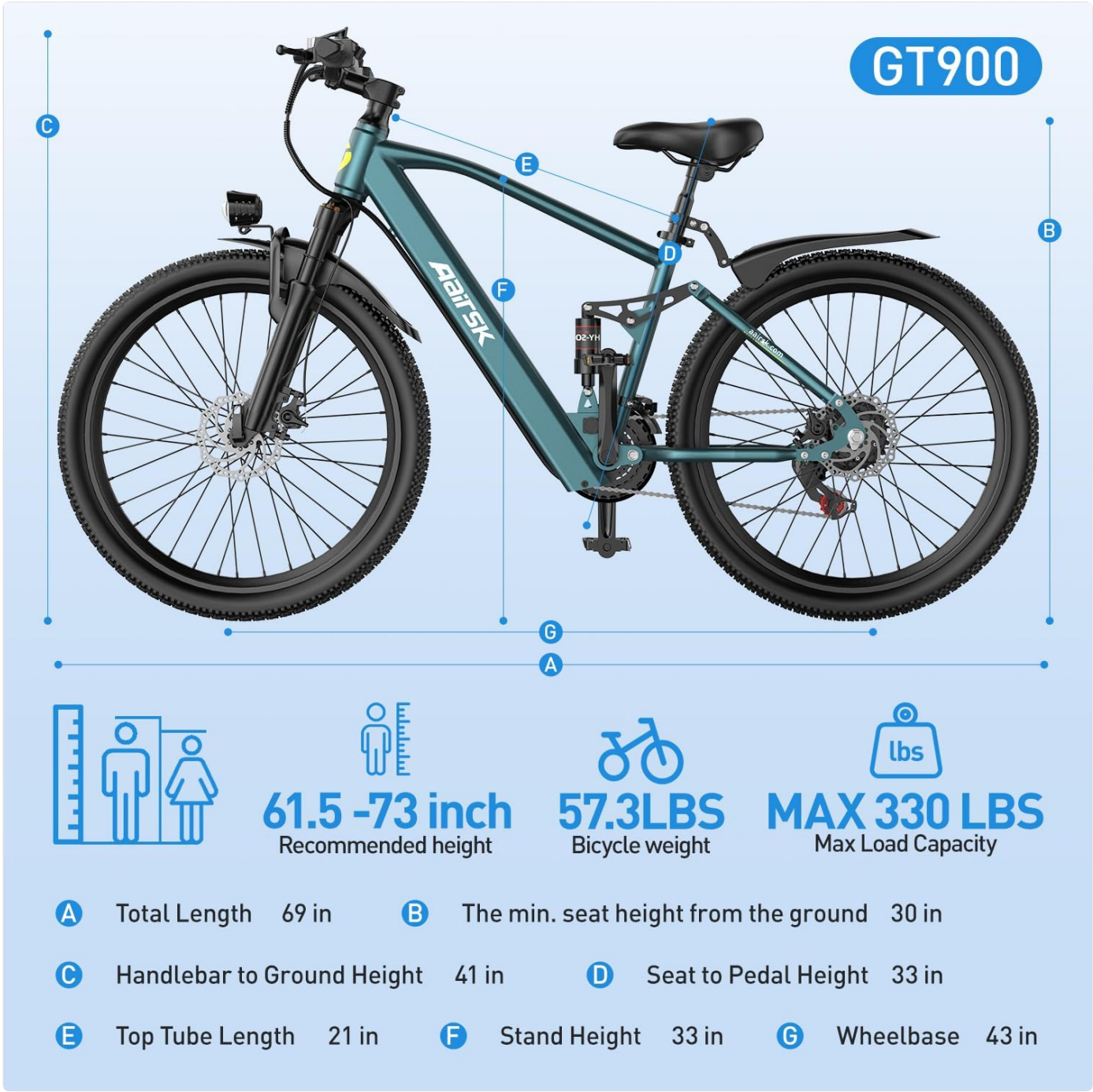


Image: Detailed diagram of the GT900 electric bike with key dimensions and specifications, including recommended rider height and maximum load capacity.

9. Warranty and Support

Aairsk provides a **12-month manufacturer warranty** for the GT900 electric bike, which includes free replacement parts. Additionally, lifetime technical support is available.

For any issues with the bike, please contact customer support via email with video or picture evidence. The contact email is support@aairsk.com.

In case of a return, please retain the original packaging for one month from the date of purchase.

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Manufacturer: Douma Technology (Huizhou) Co., LTD

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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