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› LANKELEISI RV800 Plus Electric Mountain Bike User Manual

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LANKELEISI RV800 Plus Electric Mountain Bike User Manual

Model: RV800 Plus

1. INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and care of your LANKELEISI RV800 Plus Electric Mountain Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize your riding experience. This electric bicycle combines advanced technology with high-quality components, including a 48V 20Ah Samsung lithium battery and a powerful 48V BAFANG brushless rear motor, offering reliable performance for various terrains.



Image 1.1: A rider navigating a winding path on the LANKELEISI RV800 Plus Electric Mountain Bike, demonstrating its agility and suitability for varied terrain.

2. SAFETY INFORMATION

Always prioritize safety when operating your electric bicycle. Failure to follow safety guidelines can result in serious injury or damage to the bike.

- Always wear a helmet that meets safety standards.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery.
- Obey all local traffic laws and regulations.
- Do not ride under the influence of alcohol or drugs.
- Adjust your speed to suit road conditions, weather, and your riding ability.
- Ensure the battery is securely locked in place before riding.
- Avoid riding in heavy rain or through deep puddles to prevent damage to electrical components.

3. PACKAGE CONTENTS AND INITIAL CHECKS

Your LANKELEISI RV800 Plus Electric Mountain Bike is delivered largely pre-assembled. Please verify the following components and perform initial checks:

- LANKELEISI RV800 Plus Electric Mountain Bike frame with integrated battery.
- Charger for the 48V battery.
- User Manual (this document).
- Basic tool kit (may vary).

Initial Checks:

1. **Unpacking:** Carefully remove the bike from its packaging. Retain packaging for future transport or storage.
2. **Handlebar Adjustment:** Ensure the handlebar is securely tightened and aligned. Adjust the angle for comfortable riding.
3. **Seat Adjustment:** Adjust the seat height so your feet can comfortably touch the ground when stopped, and your legs have a slight bend at the knee when pedaling. Secure the quick-release lever.
4. **Tire Inflation:** Check tire pressure. The recommended pressure is usually indicated on the tire sidewall. Inflate if necessary.
5. **Brake Check:** Squeeze both brake levers. Ensure they engage smoothly and firmly, and the wheels stop effectively.
6. **Battery Installation/Charge:** Confirm the battery is properly seated and locked. Fully charge the battery before the first ride.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the bike, press and hold the power button on the display unit (usually located on the handlebar) for a few seconds. The display will illuminate, indicating the system is active. To power off, press and hold the same button until the display turns off.

4.2 Pedal Assist System (PAS)

The RV800 Plus features a pedal assist system. As you pedal, the motor provides assistance. You can typically select different levels of assistance using the '+' and '-' buttons on the display unit. Higher levels provide more motor power, while lower levels offer less assistance, conserving battery life.



Image 4.1: A detailed view of the pedal assist system, highlighting the components that engage the motor when pedaling.

4.3 Gear Shifting

The bike is equipped with a 7-speed gear system. Use the shifter on the handlebar to change gears. Shift to a lower gear for easier pedaling on inclines and a higher gear for faster speeds on flat terrain. Shift gears smoothly and avoid shifting under heavy load.

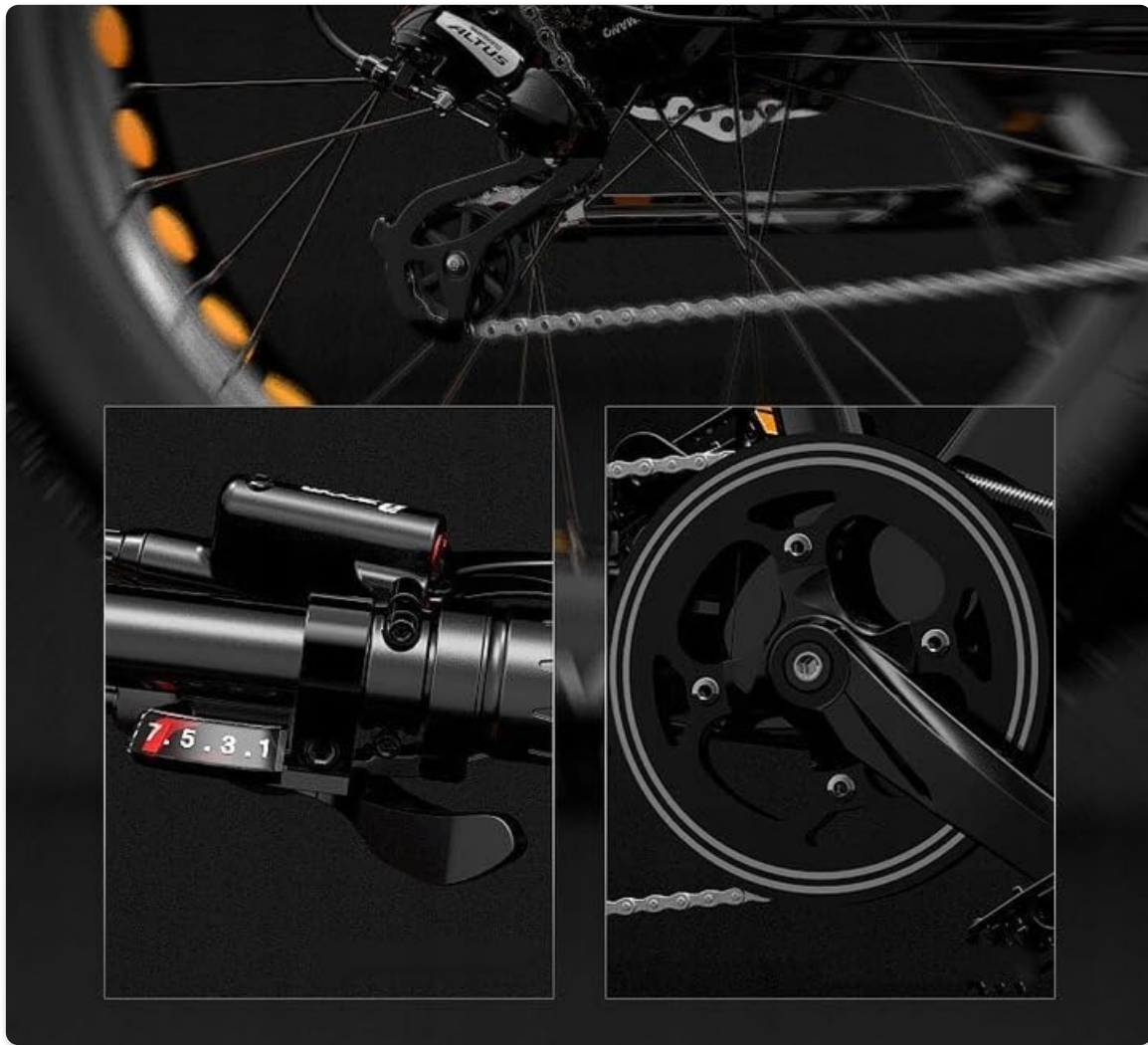


Image 4.2: The 7-speed shifter and crankset, illustrating the mechanism for changing gears to adapt to different riding conditions.

4.4 Braking

The RV800 Plus features Zoom HB-876 hydraulic disc brakes for reliable stopping power. The right lever typically controls the rear brake, and the left lever controls the front brake. Apply both brakes simultaneously for effective and controlled stopping. Avoid sudden, hard braking, especially with the front brake, to prevent skidding.



Image 4.3: A detailed view of the hydraulic disc brake system, showing the rotor and caliper for powerful and consistent braking.

4.5 Headlight Operation

The bike is equipped with a 4.5-inch high-brightness LED headlight for improved visibility. The headlight can typically be turned on or off via a button on the display unit or a dedicated switch. Use the headlight during low-light conditions or at night.



Image 4.4: The bright LED headlight, designed to provide excellent illumination for night riding or low-light conditions.

4.6 Battery Usage and Charging

The 48V 20Ah Samsung lithium battery provides reliable power. To charge, connect the charger to the bike's charging port and then to a standard electrical outlet. An indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged). Do not overcharge the battery. Always use the original charger provided.



Image 4.5: An internal view of the battery compartment, illustrating the arrangement of the 21700 cells within the 48V 20Ah Samsung lithium battery.

4.7 BAFANG Motor

The bike is powered by a 48V BAFANG brushless rear motor, delivering up to 100 Nm of torque. This motor provides strong acceleration and assists in climbing inclines. The motor engages when the pedal assist system is active.



Image 4.6: An exploded view of the BAFANG rear hub motor, showcasing its internal brushless components responsible for powerful assistance.

5. 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, especially near electrical components.
- **Tires:** Check tire pressure before each ride. Inspect tires for wear, cuts, or punctures.
- **Brakes:** Regularly check brake pads for wear and ensure brake levers operate smoothly. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every few months.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on critical components like handlebars, seat

post, and wheels.

6. TROUBLESHOOTING

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

- **Bike Not Turning On:** Check if the battery is fully charged and properly seated. Ensure the power button is pressed correctly.
- **Motor Not Assisting:** Verify that the pedal assist system is activated and set to a desired level. Check if the battery has sufficient charge. Ensure all electrical connections are secure.
- **Brakes Squealing/Ineffective:** Brake pads might be worn or contaminated. Clean the rotors and pads, or replace pads if necessary. Ensure brake cables/hoses are properly routed and tensioned.
- **Gears Not Shifting Smoothly:** The derailleur might need adjustment, or the chain might be dirty or unlubricated. Clean and lubricate the chain, and consider professional adjustment if issues persist.
- **Unusual Noises:** Stop riding immediately and inspect the bike for loose components, rubbing parts, or damaged bearings.

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

7. SPECIFICATIONS

Feature	Specification
Brand	LANKELEISI
Model Name	RV800 Plus
Bike Type	Mountain bike, Electric bike
Wheel Size	26 Inches
Suspension Type	Dual Suspension
Number of Speeds	7
Brake Model	Disc brake (Zoom HB-876 Hydraulic)
Power Source	Electric Motor
Motor	48V BAFANG Brushless Rear Motor (100 Nm max torque)
Battery	48V 20Ah Samsung Lithium Battery (21700 cells)
Specific Product Uses	Gravel, Trail, Road
Anticipated Riding Terrain	Mountain Terrain
Electric Assist Type	Pedal Assist
Wheel Material	Alloy
Assembly Required	No
ASIN	B0DJBTQK85

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or service inquiries, please reach out to the LANKELEISI customer service department through the contact information provided on their official website or through your point of purchase.

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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.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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