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## airwest 750W Peak 1000W Bafang Motor 26" Fat Tire Electric Mountain Bike

# airwest Electric Bike User Manual

Model: 750W Peak 1000W Bafang Motor 26" Fat Tire Electric Mountain Bike

## 1. INTRODUCTION

Welcome to the airwest Electric Bike user manual. This document provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

## 2. IMPORTANT SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Regular inspection and maintenance are crucial for safe operation.

- Always wear a certified helmet.
- Perform a pre-ride check before each use.
- Understand and obey all local traffic laws.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and other road users.
- Ensure lights and reflectors are clean and functional, especially when riding at night.

## 3. PACKAGE CONTENTS

Upon unboxing, please verify that all components are present and undamaged. The airwest Electric Bike is 85% pre-assembled for your convenience. The package includes:

- airwest Electric Bike (main frame, wheels, pre-installed components)
- Removable 48V 15Ah Samsung Lithium Battery
- 54.6V 3.0A Fast Charger
- Instruction Manual
- Installation Tool Kit

- Bell
- Front and Rear Lights
- Rear Reflector

## 4. ASSEMBLY AND INITIAL SETUP

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Your airwest Electric Bike arrives 85% pre-assembled. The remaining assembly steps are straightforward and can be completed using the provided tools and instructions. An installation guide video is available to assist you with the process.

### 4.1. Unboxing and Inspection

Carefully remove the bike and all components from the packaging. Inspect for any shipping damage. If any parts are missing or damaged, contact customer service immediately.

### 4.2. Handlebar Installation

Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding posture.

### 4.3. Pedal Installation

Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand first, then tighten securely with a wrench. Note that the left pedal has a reverse thread.

### 4.4. 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 lever or bolt.

### 4.5. Battery Installation and Charging

Insert the fully charged battery into its compartment and lock it securely. Ensure the battery is fully charged before your first ride. Refer to the 'Battery and Charging' section for detailed instructions.

### 4.6. Pre-Ride Safety Check

Before your first ride, and before every subsequent ride, perform a thorough safety check:

- **Brakes:** Test front and rear brakes for proper function and responsiveness.
- **Tires:** Check tire pressure and ensure tires are free from damage.
- **Quick Releases:** Ensure all quick-release levers (wheels, seat post) are securely closed.
- **Bolts & Nuts:** Verify all critical bolts and nuts are tightened.
- **Lights & Reflectors:** Confirm lights are working and reflectors are clean.

## 5. OPERATING INSTRUCTIONS

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The airwest Electric Bike offers multiple riding modes and features for a versatile riding experience.

### 5.1. Powering On/Off

To power on the bike, press and hold the power button on the LCD display. To power off, press and hold the power button again.

## 5.2. Riding Modes

Your electric bike features 4 distinct working modes:

- **Normal Bike Mode:** The motor assistance is off. Ride the bike like a traditional bicycle using pedal power only.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. There are 5 levels of pedal assistance (PAS levels) that can be adjusted via the LCD display. Higher PAS levels provide more motor assistance.
- **Throttle Mode:** Engage the throttle to propel the bike without pedaling. This mode provides instant power.
- **Walk Mode:** When activated, the bike moves at a slow walking speed (typically 3-4 mph) to assist you when pushing the bike uphill or through crowded areas.

## 5.3. LCD Display Functions

The LCD display provides real-time riding data:

- **Speed:** Current riding speed.
- **Mileage:** Total distance traveled.
- **Power:** Battery charge level indicator.
- **Riding Mode:** Indicates the currently selected riding mode (PAS level, throttle, etc.).
- **Error Codes:** Displays diagnostic codes if an issue is detected.

Consult the display's specific manual for detailed navigation and setting adjustments.

## 5.4. Gear Shifting

The bike is equipped with professional 7-speed Shimano gears. Use the gear shifter on the handlebar to select appropriate gears for different terrains and speeds. Shift to a lower gear for climbing hills and a higher gear for flat terrain or downhill riding.

## 5.5. Adjustable Components

The seat and handlebar are adjustable to accommodate different rider heights and preferences, ensuring a comfortable riding posture and reducing strain.

# 6. BATTERY AND CHARGING

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The airwest Electric Bike is powered by a removable 48V 15Ah Samsung lithium battery, providing a range of 25-60 miles depending on riding conditions and assistance level.

## 6.1. Charging the Battery

The battery can be charged either on or off the bike. Use the provided 54.6V 3.0A fast charger. A full charge typically takes 4 hours.

- **Charging On-Bike:** Locate the charging port on the battery (or bike frame if integrated). Connect the charger to the port, then plug the charger into a standard wall outlet.
- **Charging Off-Bike:** Unlock and remove the battery from the bike. Connect the charger directly to the battery's charging port, then plug into a wall outlet.

The battery features an anti-theft design and is lockable and waterproof, allowing for secure charging at home or in the office.

## 6.2. Battery Care and Maintenance

- Avoid fully discharging the battery regularly.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge the battery to 50-70% every 2-3 months.
- Only use the original charger provided with the bike.

## 7. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your airwest Electric Bike.

### 7.1. Cleaning

Clean your bike regularly with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components, bearings, or seals.

### 7.2. Brakes

The bike is equipped with front and rear hydraulic brakes for smooth and reliable stopping power. Regularly check brake pads for wear and replace them when necessary. Ensure brake levers are responsive and provide adequate stopping force. If brakes feel spongy or ineffective, they may need bleeding or adjustment by a qualified technician.

### 7.3. Tires

The 4-inch Kenda fat tires provide stability across various terrains. Maintain recommended tire pressure as indicated on the tire sidewall. Inspect tires regularly for cuts, punctures, or excessive wear.

### 7.4. Suspension

The lockable hydraulic front suspension forks provide cushioning on bumpy roads. Keep the suspension stanchions clean. If the suspension feels stiff or unresponsive, it may require servicing.

### 7.5. Chain and Drivetrain

Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear. Regularly inspect the chain, cassette, and chainrings for wear or damage.

### 7.6. Electrical Components

Keep all electrical connections clean and dry. Avoid submerging the bike in water. If you suspect an issue with the motor, battery, or controller, contact customer service.

## 8. TROUBLESHOOTING

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This section addresses common issues you might encounter with your airwest Electric Bike.

| <b>Problem</b>                  | <b>Possible Cause</b>   | <b>Solution</b>  |
|---------------------------------|---|--|
| Bike does not power on          | Battery not charged; Battery not properly seated; Loose electrical connection; Display issue        | Charge battery; Ensure battery is fully inserted and locked; Check all visible connections; Contact customer service if issue persists.                            |
| Motor not assisting             | PAS level set to 0; Battery low; Brake levers engaged; Motor connection issue                       | Increase PAS level on display; Charge battery; Ensure brake levers are fully released; Check motor cable connection.   |
| Short battery range             | High PAS level usage; Frequent throttle use; Low tire pressure; Heavy load; Headwinds; Cold weather | Use lower PAS levels; Pedal more; Maintain correct tire pressure; Reduce load; Avoid riding into strong headwinds; Battery performance is reduced in cold weather. |
| Brakes squealing or ineffective | Contaminated brake pads/rotors; Worn brake pads; Air in hydraulic system                            | Clean brake pads and rotors; Replace worn brake pads; Have hydraulic system bled by a professional.  |
| Gears not shifting smoothly     | Dirty or unlubricated chain; Derailleur out of adjustment; Damaged cable                            | Clean and lubricate chain; Adjust derailleur limits and indexing; Replace damaged cable.   |

If you encounter an issue not listed here, or if the suggested solutions do not resolve the problem, please contact airwest customer service for further assistance.

## 9. SPECIFICATIONS

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| Feature               | Specification  |
|-----------------------|--|
| Bike Type             | Electric Mountain Bike   |
| Motor                 | 48V 750W Bafang Motor (Peak 1000W)                                     |
| Top Speed             | Up to 28 MPH   |
| Torque                | 80 Nm  |
| Hill Climbing Ability | 30° Gradient   |
| Battery               | 48V 15Ah Removable Samsung Lithium Battery                             |
| Range per Charge      | 25-60 Miles (depending on mode and conditions)                         |
| Charger               | 54.6V 3.0A Fast Charger  |
| Charging Time         | Approximately 4 hours  |
| Gears                 | Shimano 7-Speed  |
| Wheel Size            | 26 inches  |
| Tires                 | 4-inch Kenda Fat Tires   |
| Brakes                | Front and Rear Hydraulic Brakes  |
| Suspension            | Lockable Hydraulic Front Suspension Forks                              |
| Frame Material        | Aluminum   |
| Special Features      | LCD Display, Adjustable Seat & Handlebar, Bell, Lights, Rear Reflector |

## 10. WARRANTY AND CUSTOMER SUPPORT

### 10.1. Warranty Information

airwest provides the following warranty for your electric bike:

- **1 Year Warranty:** Applies to the motor, battery, and controller.
- **6 Months Warranty:** Applies to most other parts.

Please retain your proof of purchase for warranty claims. The warranty covers manufacturing defects and does not cover damage due to misuse, accidents, or normal wear and tear.

### 10.2. Customer Service

The airwest Electric Bike is 85% pre-assembled and includes an instruction manual and installation tools. An installation guide video is also available to assist you. If you have any questions, require assistance with assembly, or need help with troubleshooting, please do not hesitate to contact our reliable customer service team. We are committed to providing support and ensuring your satisfaction.

For support, please visit the airwest store on Amazon or use the contact information provided with your purchase.

