Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

ANCHEER AMAK00009

ANCHEER 27.5" Electric Mountain Bike User Manual

Model: AMAK00009

Introduction

This user manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your ANCHEER 27.5" Electric Mountain Bike. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your electric bicycle.
The ANCHEER Electric Mountain Bike is designed for adult riders, featuring a powerful 500W (peak 750W) motor, a 48V/10.4Ah removable battery, and a 21-speed transmission system, offering a range of up to 55 miles and speeds up to 22 MPH.



Figure 1: ANCHEER 27.5" Electric Mountain Bike. This image shows the complete electric bike, highlighting its robust frame, front suspension, disc brakes, and the integrated removable battery pack.

Safety Information

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

- **Helmet Use:** Always wear a certified bicycle helmet when riding.
- **Pre-Ride Check:** Before each ride, inspect tires, brakes, battery, and all fasteners to ensure they are secure and functioning correctly.
- **Traffic Laws:** Obey all local traffic laws and regulations.
- **Weather Conditions:** Exercise caution when riding in wet or adverse weather conditions. Mechanical disc brakes provide powerful braking even in rainy conditions, but stopping distances may increase.
- **Weight Limit:** Do not exceed the maximum weight capacity of 265 lbs (120 kg).

- **Battery Safety:**
  - Use only the original charger provided.
  - Do not expose the battery to extreme temperatures or direct sunlight.
  - Do not attempt to disassemble or modify the battery pack.
  - Ensure the battery is securely locked in place before riding.

Components Overview

Familiarize yourself with the main components of your ANCHEER Electric Mountain Bike:

- **Frame:** Lightweight Aviation Aluminum Alloy frame.
- **Motor:** 500W (Peak 750W) Brushless Motor, providing speeds up to 22 mph.
- **Battery:** 48V 10.4Ah Removable Lithium-Ion Battery, offering up to 55 miles range. Features overcharge, over-discharge, short circuit, and overcurrent protection.
- **Display:** Upgraded LCD display showing 5 speed modes, battery level, and mileage.
- **Transmission:** 21-speed gear system for varied terrain.
- **Brakes:** Front and rear mechanical disc brakes with power-off brake levers for precise stopping.
- **Suspension:** Front lockable suspension fork made of high-strength carbon steel.
- **Wheels:** 27.5" x 2.1" wheels with classic mountain tires for good shock absorption and stability.
- **Lighting:** Integrated headlight.
- **Connectors:** IP65 waterproof and dustproof detachable connectors for easy part replacement.



Figure 2: Removable Battery. This image illustrates the 48V 10.4Ah battery pack, highlighting its quick charge capability (3-4 hours) and integrated safety features such as overcharge, over-discharge, short circuit, and overcurrent protection.



Figure 3: Braking System. This image details the mechanical front and rear disc brakes, emphasizing their precise braking capability and the power-off brake levers for enhanced safety.

Setup and Assembly

Your ANCHEER Electric Bike arrives 90% pre-assembled. The following steps outline the completion of the assembly process for the main parts.

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Front Wheel Installation:**

   Attach the front wheel using the quick-release skewer. Ensure the wheel is centered and the skewer is tightened securely. Verify the safety hook is engaged to prevent accidental detachment.



Figure 4: Front Wheel Quick Release and Safety Hook. This image shows the components of the front wheel quick release skewer and the safety hook mechanism, crucial for secure wheel attachment.

3. **Handlebar Installation:** Attach the handlebar to the stem, ensuring all bolts are tightened evenly and securely. Adjust the angle for comfortable riding.
4. **Pedal Installation:** Identify left (L) and right (R) pedals. Thread them into the crank arms. Note that the left pedal has a reverse thread. Tighten firmly with a wrench.
5. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height for an ergonomic riding position. Ensure the quick-release clamp is securely fastened.
6. **Battery Installation:** Insert the fully charged battery into its compartment on the frame and lock it using the provided key.
7. **Pre-Ride Inspection:** Before your first ride, double-check all connections, brakes, tire pressure, and ensure the battery is fully charged.

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

Operating Instructions

Charging the Battery

The 48V 10.4Ah battery can be charged on or off the bike. A full charge takes approximately 3-4 hours.

1. Connect the charger to the battery charging port.
2. Plug the charger into a standard wall outlet.
3. The charger indicator light will change (e.g., red to green) when charging is complete.
4. Disconnect the charger from the outlet, then from the battery.



Figure 5: Battery Charging. This image demonstrates the process of charging the electric bike's removable battery, highlighting the 4-hour charge time and the 1-year guarantee.

Using the LCD Display

The upgraded LCD display provides real-time information and allows you to control the bike's electric assist levels.

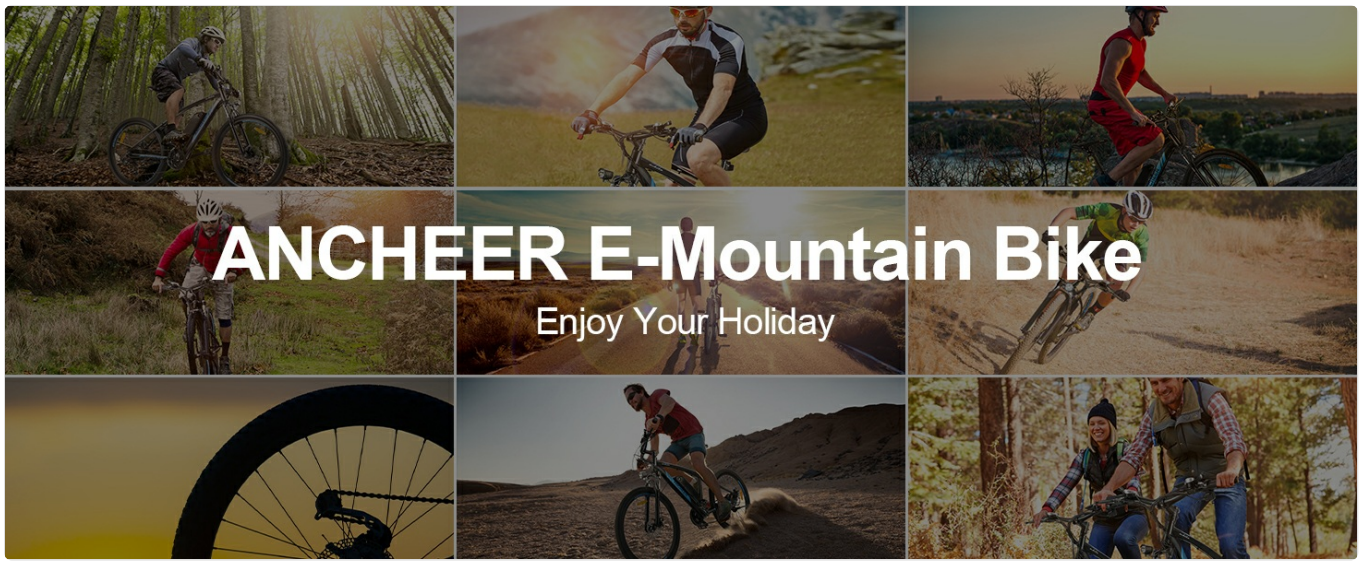


Figure 6: LCD Display. This image provides a detailed view of the LCD display, indicating battery level, current speed, total mileage, and the selected Pedal Assist System (PAS) level. It also shows the backlit screen feature.

- **Power On/Off:** Press and hold the power button (usually 'M' or a dedicated power button) to turn the display and bike's electrical system on or off.
- **Pedal Assist Levels (PAS):** Use the '+' and '-' buttons to cycle through the 5 pedal assist modes. Higher levels provide more motor assistance.
- **Information Display:** The display shows current speed, battery charge level, and trip mileage.

Riding Modes

- **Pedal Assist Mode:** The motor provides assistance as you pedal. Choose from 5 levels of assistance. This mode offers the longest range (50-55 miles).
- **Throttle Mode:** Engage the throttle (if equipped) for motor power without pedaling. This mode typically offers a shorter range (26-30 miles).
- **Normal Bicycle Mode:** Turn off the electric assist and ride the bike like a traditional bicycle.



Figure 7: 21-Speed Drivetrain. This image highlights the bike's 21-speed gear system, which allows for greater terrain adaptability and efficient power transfer from the motor.

Adjusting Riding Position

The adjustable saddle allows for an ergonomic riding position, designed to reduce strain on your hips and spine.



Figure 8: Adjustable Riding Position. This diagram illustrates how the saddle can be adjusted to achieve an ergonomic riding posture, suitable for both long-distance comfort and short-distance agility.

Maintenance

Regular maintenance is crucial for the longevity and safe operation of your electric bike.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Lubrication:** Lubricate the chain and other moving parts periodically to ensure smooth operation and prevent rust.
- **Tire Pressure:** Check tire pressure before each ride. Maintain recommended pressure for optimal performance and safety.

- **Brake Inspection:** Regularly inspect brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Battery Care:**
  - Store the battery in a cool, dry place when not in use.
  - If storing for extended periods, charge the battery to 50-70% every 2-3 months.
- **Fastener Check:** Periodically check all bolts and nuts for tightness, especially on the handlebars, seat post, wheels, and crank arms.

Troubleshooting

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged, battery not properly seated, power button not pressed correctly.	Charge battery, ensure battery is fully inserted and locked, press and hold power button for 3 seconds.
Motor not assisting.	PAS level set to 0, battery low, brake levers engaged, motor connection loose.	Increase PAS level, charge battery, release brake levers, check motor cable connections.
Brakes feel weak.	Worn brake pads, loose brake cable, disc rotor dirty.	Inspect and replace brake pads, adjust brake cable tension, clean disc rotor with rubbing alcohol.
Unusual noises from drivetrain.	Dry chain, misaligned gears, loose components.	Lubricate chain, check gear alignment, tighten any loose bolts.

For issues not listed here, please contact ANCHEER customer support.

Specifications

Feature	Specification
Model Name	AMAK00009
Bike Type	Electric Mountain Bike
Motor	500W (Peak 750W) Brushless Motor
Max Speed	22 MPH
Battery	48V 10.4Ah Removable Lithium-Ion
Charging Time	3-4 Hours

Feature	Specification
Max Range	55 Miles (Pedal Assist Mode)
Frame Material	Aluminum Alloy
Wheel Size	27.5 inches
Number of Speeds	21 Speed
Brake Style	Mechanical Disc Brakes (Front & Rear)
Suspension Type	Front (Lockable)
Max Load Capacity	265 lbs (120 kg)
Included Components	Bell, Kickstand, Lock, Reflectors, Tool Kit



Figure 9: Product Dimensions and Rider Suitability. This image provides key dimensions of the bike (e.g., wheel size, frame length) and indicates the recommended rider height range (4.92-5.75 ft) and maximum weight capacity (265 lbs).

Warranty and Support

ANCHEER provides a one-year warranty for all parts of your electric bike. This warranty covers manufacturing defects and material faults under normal use.

Warranty Coverage:

- **Frame:** 1 Year
- **Motor:** 1 Year
- **Battery:** 1 Year
- **Controller & Display:** 1 Year
- **Other Components:** 1 Year (excluding wear and tear parts like tires, brake pads, chain)

For warranty claims or technical support, please contact ANCHEER customer service. Have your model number (AMAK00009) and purchase date ready when contacting support.

You can visit the official ANCHEER Store on Amazon for additional resources and contact information:ANCHEER Store

© 2024 ANCHEER. All rights reserved.
This manual is subject to change without notice.

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

Email

you@example.com

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

Open the live page

https://manuals.plus/asin/B0DJW3XP4H

More documents and user manuals: **https://manuals.plus/**