

Aovowheel AW2PRO

Aovowheel AW2PRO Electric Bike User Manual

Model: AW2PRO

1. INTRODUCTION

Thank you for choosing the Aovowheel AW2PRO Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your electric bike. Please read this manual thoroughly before your first ride and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your e-bike.

2. SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations regarding electric bikes.

2.1 General Safety Precautions

- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and all fasteners.
- Do not ride under the influence of alcohol or drugs.
- Maintain a safe speed and distance from other vehicles and pedestrians.
- Be aware of your surroundings and road conditions.
- Ensure headlights and taillights are functional, especially when riding at night or in low-light conditions.
- Do not exceed the maximum load capacity of 330 lbs (150 kg).

2.2 Battery Safety

- Use only the original charger provided with the bike.
- Do not expose the battery to extreme temperatures or direct sunlight.
- Avoid puncturing or damaging the battery pack.
- If the charging block becomes excessively hot, discontinue charging and contact support.

3. PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and undamaged:

- Aovowheel AW2PRO Electric Bike Frame
- Removable 48V 18Ah Battery
- Battery Charger
- Front Wheel
- Handlebar Assembly
- Pedals (Left and Right)
- Front Fender (if applicable)
- Tool Kit
- User Manual

4. ASSEMBLY INSTRUCTIONS

The Aovowheel AW2PRO electric bike requires some assembly. Follow these general steps. For detailed visual instructions, refer to any included assembly guides or videos from the manufacturer.

1. **Unpack the Bike:** Carefully remove all components from the packaging.
2. **Install the Front Wheel:** Secure the front wheel into the front fork using the quick-release skewer or axle nuts. Ensure it is centered and tightened correctly.
3. **Attach the Handlebar:** Insert the handlebar stem into the fork steerer tube and tighten the bolts. Adjust the handlebar to a comfortable riding position.
4. **Install the Pedals:** Identify the left (L) and right (R) pedals. The left pedal threads counter-clockwise, and the right pedal threads clockwise. Ensure they are securely tightened to prevent stripping.
5. **Install the Seat Post:** Insert the seat post into the frame and adjust the seat height for comfortable pedaling. Secure with the quick-release lever.
6. **Install the Battery:** Insert the fully charged battery into its designated compartment and lock it securely.
7. **Final Checks:** Double-check all bolts, nuts, and quick releases for tightness. Ensure brakes are functional and tires are inflated to the recommended pressure.

5. COMPONENT OVERVIEW

Familiarize yourself with the main components of your Aovowheel AW2PRO electric bike:



This image details the safety and comfort features of the

Aovowheel AW2PRO electric bike, including bright headlights and taillights, robust 20-inch tires, responsive front and rear disc brakes, an ergonomic wider seat, and a clear LCD display for real-time metrics.

- **Frame:** Durable aluminum frame providing structural integrity.
- **Motor:** Powerful 750W (1000W Peak) brushless motor for assistance.
- **Battery:** Removable 48V 18Ah battery, UL2849 certified.
- **Tires:** 20x4.0 inch fat tires for multi-terrain capability.
- **Suspension:** Dual suspension system with front forks and rear shock absorbers.
- **Brakes:** Front and rear dual disc brakes for reliable stopping power.
- **Display:** LCD display for speed, battery level, and other metrics.
- **Lights:** Integrated headlights and taillights for visibility.
- **Seat:** Enlarged and widened seat for enhanced comfort.

6. OPERATING YOUR E-BIKE

6.1 Powering On/Off

- To power on the bike, press and hold the power button on the LCD display for a few seconds.
- To power off, press and hold the power button again until the display turns off.

6.2 LCD Display Functions

The LCD display provides real-time information about your ride:

- **Speed:** Current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **Riding Mode:** Shows the currently selected assist level or mode.
- **Odometer/Trip Distance:** Tracks total distance or current trip distance.

6.3 Riding Modes

Your Aovowheel AW2PRO offers three distinct riding modes:



This image demonstrates the three available riding modes of the Aovowheel AW2PRO electric bike: Throttle Mode for fully electric propulsion, Pedal Assist for amplified pedaling, and standard Bicycle Mode for manual pedaling. Estimated ranges for each mode are also displayed.

1. **Pure Electric Mode (Throttle):** Engages the motor directly via the throttle, providing propulsion without pedaling. Range: approximately 50 miles.
2. **Electric Assist Mode (Pedal Assist):** The motor provides assistance as you pedal. You can adjust the level of assistance. Range: approximately 70 miles.
3. **Pedal Mode (Bicycle Mode):** The bike operates as a traditional bicycle with no motor assistance.

Switch between modes using the controls on the handlebar, typically indicated by '+' and '-' buttons or a mode button.

6.4 Gear Shifting

The bike features a 7-speed gear system. Use the gear shifter on the handlebar to change gears according to terrain and desired pedaling effort. Shift gears smoothly to avoid strain on the drivetrain.

6.5 Braking System

The Aovowheel AW2PRO is equipped with dual disc brakes (front and rear) for effective stopping. Apply both brakes simultaneously for balanced and controlled deceleration. Regularly check brake pad wear and cable tension.

6.6 USB Charging Port

A USB mobile phone holder with a charging port is integrated into the bike, allowing you to charge your devices while riding. Ensure your device is securely mounted before riding.

7. BATTERY MANAGEMENT

7.1 Charging the Battery



This image highlights the removable 48V 18Ah battery of the Aovowheel AW2PRO electric bike, emphasizing its UL 2849 certification for safety and its capacity to provide a range of 40-70 miles on a single charge.

- Connect the charger to the charging port on the battery or directly to the battery if removed.

- Plug the charger into a standard wall outlet.
- The charging indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
- A full charge takes approximately 5 hours. Do not overcharge.

7.2 Removing and Installing the Battery

The battery is removable for convenient charging or storage:

- To remove, unlock the battery using the provided key and slide it out of its compartment.
- To install, slide the battery back into the compartment until it clicks into place, then lock it with the key.

7.3 Battery Care and Safety

- 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.
- Do not immerse the battery in water.
- Dispose of old batteries according to local regulations.

8. SMART FEATURES (APP CONTROL & GPS)

The Aovowheel AW2PRO electric bike can connect to a smart application for enhanced control and security features.

8.1 Connecting to the App

- Download the official Aovowheel app from your device's app store.
- Follow the in-app instructions to pair your e-bike via Bluetooth.
- The app allows you to view real-time GPS location, remotely control the motor, and track cycling trajectory.

8.2 GPS Anti-Theft Function

- Utilize the app to set terminal zones for your bike.
- Receive abnormal alerts if the bike moves outside designated areas.
- The app allows you to remotely cut power to the motor for added security.

9. MAINTENANCE

Regular maintenance ensures the safety and longevity of your electric bike.

9.1 Regular Checks

- **Before Each Ride:** Check tire pressure, brake function, and ensure all quick releases and bolts are tight.
- **Weekly:** Inspect tires for wear or damage. Check chain tension and lubrication.
- **Monthly:** Check for loose spokes, inspect brake pads, and ensure all electrical connections are secure.

9.2 Cleaning

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

9.3 Tire Care



This image illustrates the versatility of the 20-inch pneumatic fat tires, highlighting their durable, slip-resistant, and puncture-resistant design suitable for diverse environments including snow, mountains, beaches, and urban roads.

- Maintain recommended tire pressure for optimal performance and to prevent punctures.
- Inspect tires for cuts, cracks, or embedded objects.

9.4 Brake Adjustment

If brakes feel spongy or less responsive, they may need adjustment. Consult a professional bike mechanic if you are unsure how to adjust disc brakes.

9.5 Lubrication

Regularly lubricate the chain and other moving parts with appropriate bicycle lubricant to ensure smooth operation and prevent wear.

10. TROUBLESHOOTING

This section addresses common issues you might encounter with your Aovowheel AW2PRO electric bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly installed; loose connection.	Ensure battery is fully charged and securely locked in place. Check all electrical connections.
Motor not assisting	Low battery; incorrect riding mode; sensor issue.	Charge battery. Switch to Pedal Assist or Pure Electric mode. Check for error codes on LCD.
Charging block gets very hot	Faulty charger; battery issue; poor ventilation.	Discontinue charging immediately. Ensure charger is in a well-ventilated area. Contact customer support for a replacement charger or battery inspection.

Problem	Possible Cause	Solution
Pedal comes loose or strips	Improper installation; cross-threading; wear and tear.	Ensure pedals are threaded correctly (left pedal counter-clockwise, right pedal clockwise) and tightened securely. If threads are stripped, professional repair or replacement of the crank arm may be necessary.
Brakes feel weak	Worn brake pads; loose cables; air in hydraulic system (if applicable).	Inspect and replace worn brake pads. Adjust brake cable tension. For hydraulic brakes, bleeding may be required by a professional.

11. SPECIFICATIONS



This image provides a visual representation of the Aovowheel AW2PRO electric bike's dimensions and capacity, including its overall length and height, maximum load capacity, bicycle weight, and the recommended rider height range for optimal use.



This image showcases the advanced 6-layer shock absorption system of the Aovowheel AW2PRO electric bike, featuring dual

suspension front forks, 20x4-inch fat tires, and dual rear shock absorbers, designed for a comfortable ride on rough terrain.

Model:

AW2PRO

Bike Type:

Electric Bike, Electric Fat Bike

Motor:

750W (1000W Peak) Brushless Motor

Battery:

48V 18Ah (864Wh) Removable Lithium Battery, UL2849 Certified

Charging Time:

Approximately 5 hours

Range:

Up to 70 miles (Pedal Assist Mode), Up to 50 miles (Pure Electric Mode)

Wheel Size:

20 inches

Tires:

20x4.0 inch Fat Tires

Frame Material:

Aluminum

Suspension Type:

Dual (Front Forks X2, Rear Shock Absorber X2)

Brakes:

Dual Disc Brakes (Front and Rear)

Number of Speeds:

7

Maximum Load:

330 lbs (150 kg)

Bicycle Weight:

88 lbs (40 kg)

Recommended Rider Height:

5'4" - 6'5" (65 inches minimum)

Special Features:

LCD Display, USB Mobile Phone Holder, APP Control, GPS Anti-Theft, Headlights, Taillights, Waterproof

Intended Riding Terrain:

Mountain Terrain, Unpaved Trails, Urban Terrain

12. WARRANTY AND SUPPORT

For warranty information, technical support, or replacement parts, please contact Aovowheel customer service. Keep your purchase receipt and product serial number handy when contacting support.

Contact Information:

- Refer to your purchase documentation or the official Aovowheel website for the most current contact details.
- Online support resources may also be available.

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

Answered questions about this manual

What is the compatible thumb throttle for the Aovowheel AW2PRO electric bike and where can I purchase one?

The Aovowheel AW2PRO comes standard with a throttle for its "Pure Electric Mode." While the manual does not list a specific part number for a replacement thumb throttle, these components are typically standard 3-pin...

[Read full answer](#)