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## LEONX Aipas M2 Pro

# LEONX M2 Pro Electric Bike User Manual

Model: Aipas M2 Pro

Brand: LEONX

## 1. INTRODUCTION

Thank you for choosing the LEONX M2 Pro Electric Bike. This manual provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new e-bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

The LEONX M2 Pro is an electric mountain bike designed for adults, featuring a powerful 1800W peak motor, 26" x 4.0" fat tires, and a 48V 17.5AH battery, offering a long range and high top speed.

## 2. SAFETY INFORMATION

Always wear a helmet and appropriate safety gear when riding. Ensure all components are securely fastened before each ride. Adhere to local traffic laws and regulations.

- Regularly check tire pressure, brake function, and battery charge level.
- Do not operate the e-bike under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in extreme weather conditions.
- Do not modify the e-bike's electrical system or motor.

## 3. COMPONENTS OVERVIEW

The LEONX M2 Pro Electric Bike is equipped with advanced features for a robust riding experience.

- **Motor:** 1800W high-speed brushless rear peak hub motor, providing up to 110Nm of torque.
- **Battery:** Removable 48V 17.5AH Lithium-ion battery, offering a range of 36-85 miles per charge.
- **Tires:** 26" x 4.0" fat tires designed for various terrains.
- **Suspension:** Dual suspension system, including a lockable and adjustable front suspension downhill fork.
- **Brakes:** 180mm dual disc brakes for reliable stopping power.
- **Display:** Smart M6 LCD display with USB charging port, showing real-time ride data (speed, power, PAS level, distance).

- **Gears:** 7-speed derailleur system.
- **Lighting System:** Integrated front and rear lights, horn, and turn signals for visibility.



Figure 3.1: Overview of the LEONX M2 Pro Electric Bike.

# 1800W PEAK

## POWERFUL BRUSHLESS MOTOR



**36 MPH**  
Max Speed



**110 N.M**  
Torque



**20°-30°**  
Climbing Ability

Figure 3.2: Illustration of the 1800W peak brushless motor, highlighting its 36 MPH max speed, 110 Nm torque, and 20-30 degree climbing ability.

# 85 MILES

## SEMI-INTEGRATED BATTERY



**48V 17.5Ah**  
Lithium-ion Battery



**85 Miles**  
Riding Range



**4-6 Hours**  
Charging Time



**IP65 Waterproof**  
No Fear Riding



Figure 3.3: Details of the 48V 17.5AH semi-integrated Lithium-ion battery, showing 85 miles riding range and 4-6 hours charging time.

# Adjustable Front Shock Suspension

Smooth out every bump with enhanced suspension for a more comfortable ride.



**Mechanical  
Fork**



**+80% Shock  
Absorption**



Figure 3.4: Close-up of the adjustable front shock suspension, indicating mechanical fork and 80% shock absorption.



Figure 3.5: Illustration of the upgraded full suspension system, showing mechanical fork, adjustable lockout, and 80% shock absorption.

# **26" RESISTANT TIRE ADAPTS TO ALL TERRAINS**



Figure 3.6: The 26" x 4.0" resistant fat tire, suitable for snowfield, mountain road, gravel pavement, and flat road conditions.

# SMART M6 USB CHARGING DISPLAY

*Real-Time Ride Data at a Glance - Speed, Power,  
PAS Level & Distance*

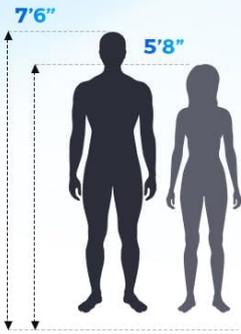


Figure 3.7: The Smart M6 USB charging display, showing real-time ride data and integrated lighting/horn controls.



Figure 3.8: The 360-degree lighting system, including large headlights, brake light, highlight LED, and taillight for enhanced visibility.

## M2 Pro Sizing Guide



**5'8" - 7'6"**  
Recommend Height



**48V 17.5AH**  
Battery Capacity



**90 LBS**  
Ebike Weight



**500 LBS**  
Load Capacity



**36 MPH**  
Top Speed



**85Miles**  
Riding Range



Figure 3.9: M2 Pro Sizing Guide, including recommended height (5'8"-7'6"), ebike weight (90 lbs), load capacity (Max 500 lbs), top speed (36 MPH), and riding range (85 Miles).

## 4. SETUP AND ASSEMBLY

The LEONX M2 Pro Electric Bike comes 95% pre-assembled. The remaining assembly typically involves attaching the front wheel, handlebars, pedals, and seat.

### 4.1 Unpacking

- Carefully remove the bike and all components from the packaging.
- Check the included components against the packing list: Charger, Headlight, Kickstand, Tool Kit, User Manual.
- Inspect for any shipping damage.

### 4.2 Assembly Steps

For detailed assembly instructions, refer to the included user manual or search for assembly videos specific to the Aipas M2 Pro model online.

1. Attach the front wheel, ensuring the disc brake rotor is correctly aligned with the caliper.
2. Install the handlebars, making sure they are centered and tightened securely.
3. Screw in the pedals (note: left and right pedals are typically marked 'L' and 'R' and thread in opposite directions).
4. Adjust the seat post height for comfortable riding posture.
5. Install the kickstand if not already attached.
6. Connect the headlight and ensure all electrical connections are secure.

*Note:* It is recommended to have a qualified bicycle mechanic perform a final safety check after assembly.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Charging the Battery

- Locate the charging port on the battery.
- Connect the charger to the battery and then to a standard power outlet.
- The charging indicator on the charger will show the charging status.
- A full charge typically takes 4-6 hours. Do not overcharge.

### 5.2 Powering On/Off

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

### 5.3 Riding Modes

The M2 Pro offers 5 riding modes to suit various needs:

- **Electric Mode:** Pure electric power using the throttle.
- **Pedal Assist Mode (PAS):** Motor provides assistance as you pedal. Adjust assistance levels via the display controls.
- **Cruise Control Mode:** Maintain a constant speed without continuous throttle input (refer to display manual for activation).
- **Normal Riding Mode:** Ride as a traditional bicycle without motor assistance.
- **Walk Booster Mode:** Provides low-speed assistance for walking the bike (e.g., uphill).

### 5.4 Gear Shifting

Use the 7-speed trigger shifter to change gears according to terrain and desired speed. Shift smoothly to avoid strain on the drivetrain.

### 5.5 Display and Controls

The Smart M6 display provides essential ride data. Use the integrated buttons on the handlebars to control lighting, horn, and adjust PAS levels. The USB port allows for on-the-go charging of mobile devices.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your LEONX M2 Pro.

- **Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Tires:** Check tire pressure before each ride. Recommended pressure is typically indicated on the tire sidewall.

- **Brakes:** Inspect brake pads for wear and ensure brake levers provide firm and responsive braking. Adjust as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth shifting and prevent wear.
- **Battery Care:** Store the battery in a cool, dry place. If storing for extended periods, charge it to 50-70% every 2-3 months.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on critical components like handlebars, wheels, and seat post.
- **Suspension:** Keep suspension components clean. Refer to the suspension manufacturer's guidelines for specific maintenance.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not properly seated, loose electrical connection.	Charge battery, ensure battery is fully inserted, check all visible electrical connections.
Motor not assisting	PAS level too low, brake levers engaged, motor connection loose, sensor issue.	Increase PAS level, ensure brake levers are fully released, check motor cable connection, consult support if issue persists.
Brakes feel weak	Worn brake pads, contaminated rotors, cable tension issue.	Inspect and replace brake pads, clean rotors, adjust brake cable tension.
Gears are skipping or not shifting smoothly	Derailleur misalignment, stretched chain, dirty drivetrain.	Adjust derailleur, inspect chain for wear and replace if necessary, clean and lubricate drivetrain.

If you encounter issues not listed here or if solutions do not resolve the problem, please contact LEONX customer support.

## 8. SPECIFICATIONS

Feature	Detail
Bike Type	Electric Bike
Model Name	Aipas M2 Pro
Motor Wattage	1800W Peak
Battery	48V 17.5AH Lithium-ion (17500 Milliampere Hour)
Top Speed	Up to 36 MPH
Range per Charge	36-85 Miles
Torque	Up to 110 Nm
Climbing Ability	Up to 30°

Feature	Detail
Wheel Size	26 Inches (4.0" Fat Tire)
Frame Material	Aluminum
Suspension Type	Dual (Lockable and Adjustable Front)
Brake Style	180mm Dual Disc
Number of Speeds	7
Recommended Age Range	Adult
Ebike Weight	90 lbs
Max Load Capacity	500 lbs
Assembly Required	Yes (95% pre-assembled)
UPC	786833205439

## 9. WARRANTY AND SUPPORT

LEONX (Aipas) provides a 1-year warranty for quality-related issues and lifetime technical guidance for the M2 Pro Electric Bike.

### 9.1 Warranty Information

- **Warranty Period:** 1 Year from date of purchase for quality issues.
- **Coverage:** Covers manufacturing defects and component failures under normal use.
- **Exclusions:** Does not cover wear and tear, damage from misuse, accidents, or unauthorized modifications.

### 9.2 Customer Support

For technical assistance, warranty claims, or any inquiries, please contact LEONX customer service:

**Call Center:** 1(844) 777-0681 (Mon.- Fri. 9:00 am-5:30 pm PST)

**Email Support:** [service@aipasbike.com](mailto:service@aipasbike.com) (Response within 24 hours)

Please have your model name (Aipas M2 Pro) and purchase information ready when contacting support.

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### Related Documents - Aipas M2 Pro

	<p><a href="#">Aipas-M2 Electric Bike Instruction Manual</a></p> <p>Comprehensive instruction manual for the Aipas-M2 electric bike, covering setup, operation, safety, maintenance, and troubleshooting.</p>
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	<p><a href="#">Aipas AIPAS-C2 PRO Electric Bike: Instruction Manual and User Guide</a></p> <p>Comprehensive instruction manual for the Aipas AIPAS-C2 PRO Electric Bike, covering setup, operation, safety, specifications, functions, maintenance, and troubleshooting. Includes detailed guidance on battery care, charging, and legal compliance.</p>
	<p><a href="#">Heybike Ranger 3.0 Pro User Manual - Comprehensive Guide to Your Fat Tire Ebike</a></p> <p>Official user manual for the Heybike Ranger 3.0 Pro fat tire electric bicycle. This guide covers safety precautions, assembly, operation, maintenance, troubleshooting, and detailed specifications for your ebike.</p>
	<p><a href="#">E-BYCCO E-BIKE USER MANUAL: Safety, Operation, and Maintenance Guide</a></p> <p>Your essential guide to the E-BYCCO electric bicycle. Learn about safe operation, pre-ride checks, component adjustments, troubleshooting, and maintenance for your E-BYCCO e-bike.</p>
	<p><a href="#">Aipas Cityscape Electric Bike Instruction Manual - Safety, Setup, and Specifications</a></p> <p>Comprehensive instruction manual for the Aipas Cityscape electric bike (Model AIPAS-C1). Covers safety guidelines, assembly, setup, specifications, LCD display controls, functions, troubleshooting, maintenance, and warranty information.</p>
	<p><a href="#">Aipas-C2 Pro Electric Bike Instruction Manual</a></p> <p>Comprehensive instruction manual for the Aipas-C2 Pro Electric Bike, covering setup, operation, safety, maintenance, and troubleshooting.</p>