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> [Aipas M1 Pro Electric Bike User Manual](#)

Aipas M1 Pro

Aipas M1 Pro Electric Bike User Manual

Model: M1 Pro

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your Aipas M1 Pro Electric Bike. Please read this manual thoroughly before your first ride and retain it for future reference. Understanding the features and proper handling procedures will ensure a safe and enjoyable riding experience.

The Aipas M1 Pro is an electric mountain bike designed for various terrains, featuring a powerful motor, long-range battery, and dual suspension system.

2. SAFETY INFORMATION

- Always wear a helmet and appropriate safety gear when riding.
- Familiarize yourself with local e-bike regulations and traffic laws.
- Perform a pre-ride inspection before each use, checking brakes, tire pressure, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on excessively slippery surfaces.
- Ensure all components are securely fastened before riding.
- Do not exceed the maximum weight recommendation of 450 pounds.

3. PACKAGE CONTENTS

Your Aipas M1 Pro Electric Bike package includes the following items:

- Aipas M1 Pro Electric Bike (95% pre-assembled)
- Battery Charger
- User Manual
- Assembly Tools (if applicable)
- Fenders (may require attachment)
- Headlight (may require attachment)

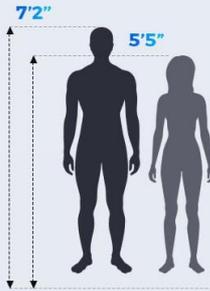
- Rear Light (may require attachment)

4. SETUP AND ASSEMBLY

The Aipas M1 Pro Electric Bike arrives 95% pre-assembled. Follow these steps to complete the assembly:

1. **Unpacking:** Carefully remove the bike and all components from the packaging.
2. **Handlebar Installation:** Attach the handlebars to the stem, ensuring they are centered and tightened securely.
3. **Front Wheel Installation:** Install the front wheel, making sure the disc brake rotor is correctly aligned with the caliper.
4. **Headlight and Fenders:** Attach the front headlight and both front and rear fenders as per the instructions.
5. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms by hand, then tighten with a wrench. Note that the left pedal is reverse-threaded.
6. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the seat height for comfortable riding, ensuring the quick-release lever is securely closed.
7. **Battery Installation/Charging:** Ensure the 48V 17.5Ah battery is fully charged before your first ride. Insert the battery securely into its compartment.
8. **Final Inspection:** Double-check all bolts, quick releases, and connections for tightness. Verify brake functionality and tire pressure.

M1 Pro Sizing Guide



5'5" - 7'2"
Recommend Height



48V 17.5AH
Battery Capacity



88 LBS
Ebike Weight



500 LBS
Load Capacity



36 MPH
Top Speed



85 Miles
Riding Range



Figure 4.1: Aipas M1 Pro Sizing Guide. This image illustrates the recommended rider height (5'5" - 7'2"), e-bike weight (88 lbs), max load capacity (500 lbs), top speed (36 MPH), and riding range (85 miles). Detailed dimensions for seat height (max 39", min 33"), seat tube (16"), stand height (19"), handlebar height (44"), head tube length (10"), wheelbase (52"), and total length (80") are also provided.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

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

5.2 LCD Display and Controls

SMART M6 USB CHARGING DISPLAY

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



Figure 5.1: Smart M6 USB Charging Display. This image shows the bike's handlebars with the LCD display, control buttons for lighting and horn, and a USB charging port. The display provides real-time data such as speed, power, PAS level, and distance.

The Smart M6 LCD display provides real-time ride data including speed, distance, battery level, and current riding mode. Use the integrated buttons on the handlebars to control the lighting, horn, and navigate display settings. A convenient USB charging port is available to charge your devices while riding.

5.3 Riding Modes

The Aipass M1 Pro offers 5 distinct riding modes:

- **Throttle Mode:** Provides power without pedaling.
- **Pedal Assist Mode (PAS):** Provides motor assistance while you pedal. There are multiple PAS levels to adjust the level of assistance.
- **Cruise Mode:** Maintains a set speed without continuous throttle input.
- **Normal Mode:** Operates as a traditional bicycle without motor assistance.
- **Walk Mode:** Provides low-speed assistance for walking the bike.

5.4 Gear Shifting

The bike is equipped with a 7-speed derailleur system. Use the thumb shifter on the handlebars to change

gears, adapting to different terrains and riding conditions for optimal efficiency and comfort.

5.5 Braking System



Figure 5.2: Aipas M1 Pro Electric Bike. This image shows the overall design of the bike, highlighting its robust frame and the visible front and rear disc brakes, which provide reliable stopping power.

The Aipas M1 Pro features 180mm mechanical disc brakes on both the front and rear wheels. Apply both brakes simultaneously for effective and controlled stopping. Regularly check brake pads and cables for wear and proper adjustment.

5.6 Suspension System

Adjustable Front Shock Suspension

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



Figure 5.3: Adjustable Front Shock Suspension. This image details the front fork suspension, indicating it's a mechanical fork with adjustable lockout and providing over 80% shock absorption for a smoother ride.

The bike is equipped with a dual suspension system, including a lockable front fork and a rear shock absorber. This system is designed to absorb shocks and vibrations, providing a smoother and more comfortable ride over varied terrain. The front fork allows for adjustment of firmness.

5.7 Battery Usage

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 5.4: Semi-Integrated Battery. This image highlights the 48V 17.5Ah Lithium-ion battery, noting its 85-mile riding range, 4-6 hour charging time, and IP65 waterproof rating for reliable performance.

The 48V 17.5Ah removable battery provides a riding range of 25-85 miles per charge, depending on terrain, assist level, and rider weight. Charging time is approximately 4-6 hours. Always use the provided charger. The battery is IP65 waterproof, offering protection against dust and water splashes.

6. MAINTENANCE

- **Tires:** Regularly check tire pressure (26" x 4.0" fat tires) and inspect for wear or damage. Maintain recommended pressure for optimal performance and safety.
- **Brakes:** Inspect brake pads for wear and replace as needed. Ensure brake levers are responsive and cables are free from fraying.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.
- **Battery:** Store the battery in a cool, dry place. Charge it regularly, even if not in use, to maintain its lifespan. Avoid fully discharging the battery.
- **Fasteners:** Periodically check all bolts and fasteners for tightness, especially on critical components like handlebars, wheels, and seat post.

- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure washers directly on electrical components.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or improperly installed; loose connections.	Ensure battery is fully charged and correctly seated. Check all electrical connections.
Motor not assisting	PAS level set to 0; brake levers engaged; motor connection issue.	Increase PAS level. Release brake levers. Check motor cable connections.
Brakes feel weak	Worn brake pads; loose brake cables; contaminated rotors.	Inspect and replace brake pads. Adjust brake cable tension. Clean rotors with disc brake cleaner.
Unusual noises during ride	Loose components; dry chain; misaligned gears.	Check all fasteners. Lubricate chain. Adjust derailleur.

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

8. SPECIFICATIONS

Feature	Detail
Model Name	M1 Pro
Bike Type	Electric Mountain Bike
Motor Power (Peak)	1800W Brushless Motor
Torque	110Nm
Top Speed	36 MPH
Climbing Ability	Up to 23°
Battery	48V 17.5Ah Lithium-ion (Removable)
Riding Range	25-85 Miles per charge
Charging Time	4-6 Hours
Waterproof Rating	IP65
Wheel Size	26" x 4.0" Fat Tires
Frame Material	Aluminum
Suspension Type	Dual (Lockable Front Fork & Rear Shock Absorber)
Brake Style	180mm Mechanical Disc Brakes (Front & Rear)
Number of Speeds	7-Speed Derailleur

Feature	Detail
Display	Smart LCD Display (Speed, Distance, Battery, Mode)
Special Features	USB Charging Port, Step-Thru Frame, Adjustable Comfort Saddle
Recommended Rider Height	5'5" – 7'2" (165 cm minimum)
Maximum Weight Recommendation	450 Pounds
Ebike Weight	88 lbs

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Aipas M1 Pro Electric Bike comes with a **1 Year Limited Warranty**. Please refer to the warranty card included with your purchase or contact customer support for detailed terms and conditions.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact Aipas Customer Service:

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

Email Support: service@aipasbike.com (Responses within 24 hours)