

Aipas C1 Plus

Aipas C1 Plus Electric Bike User Manual

Model: C1 Plus

Brand: Aipas

1. INTRODUCTION AND SAFETY GUIDELINES

Welcome to the Aipas C1 Plus Electric Bike user manual. This guide provides essential information for the safe operation, assembly, maintenance, and troubleshooting of your new electric bike. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

Important Safety Information:

- Always wear a helmet when riding.
- Familiarize yourself with local traffic laws and regulations.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions, especially heavy rain or snow, despite the IP65 waterproof rating for the battery.
- Ensure all components are securely fastened before riding.



The Aipas C1 Plus Electric Bike, featuring a step-through frame and rear rack.

2. COMPONENTS OVERVIEW

The Aipas C1 Plus Electric Bike is equipped with high-quality components designed for a comfortable and powerful riding experience.

- **1100W Peak Brushless Motor:** Provides strong acceleration and up to 90 Nm of torque, reaching speeds of 28 MPH or higher.
- **48V 12.8Ah Removable Battery:** Offers a long range of up to 62 miles and features an IP65 waterproof rating. Charging time is approximately 4-6 hours.
- **Step-Through Frame:** Designed for easy mounting and dismounting, suitable for riders of all ages and abilities.
- **Dual Suspension System:** Includes a lockable and adjustable front suspension fork and a transverse rear suspension for absorbing bumps and vibrations.

- **180mm Disc Brakes:** Dual Zoom disc brakes provide effective stopping power in various conditions.
- **7-Speed Gear System:** Allows for versatile riding across different terrains.
- **Smart LCD Display:** Shows real-time ride data including speed, mileage, battery level, and PAS level. Includes an integrated USB charging port.
- **26"x2.0" Resistant Tires:** Low-rolling resistance and puncture-resistant tires suitable for various terrains including snowfield, mountain road, gravel pavement, and flat road.
- **Integrated Lighting:** Front headlight for visibility and a tail light that flashes upon braking for enhanced safety.

Brushless Motor

1100W PEAK



Powered by a 1100W motor, the C1 offers fast acceleration, smooth handling, and reliable performance. With 90Nm of torque, it easily conquers city streets and rugged trails, ensuring a powerful and enjoyable ride.

-  **1100W**
Max Motor
-  **90Nm**
Max Torque
-  **15°-20°**
Up Hill

The powerful 1100W peak brushless motor provides robust performance.

High Performance Battery

Enjoy up to 62 miles of range with the 48V 12.8Ah battery, offering 6% more energy density for longer journeys. Its removable design makes charging easy, while waterproof protection ensures reliable performance in any weather.



-  **48V 12.8Ah**
Battery Capacity
-  **62Miles**
Per Charge
-  **4-6 Hours**
Charging Time

High-performance 48V 12.8Ah battery offers extended range and is IP65 waterproof.

Smart LCD Display & Integrated Controls

Effortlessly track your speed, mileage, battery level, and assist mode in real time with the ultra-clear LCD display. Charge your phone on the go with the built-in USB port, while the integrated control buttons let you operate the headlight and horn without taking your hands off the handlebar. All-in-one functionality designed for a safer, smoother, and more enjoyable ride.



-  **USB**
Charging Port
-  **5 Type**
PAS Levels
-  **HD**
Screen
-  **Display**
Control Button
-  **Lighting**
Button

The smart LCD display provides real-time data and includes a convenient USB charging port.

3. SETUP AND ASSEMBLY

Your Aipas C1 Plus Electric Bike is shipped 95% pre-assembled. The remaining assembly typically involves attaching the front wheel, handlebars, pedals, and seat. For detailed visual instructions, please refer to the assembly video available on the product page or consult the included user manual for step-by-step guidance.

Initial Setup Steps:

1. Carefully remove the bike and all components from the packaging.
2. Attach the front wheel, ensuring the quick-release skewer is properly secured.
3. Install the handlebars, aligning them correctly and tightening all bolts.
4. Attach the pedals (note: left and right pedals are often marked and have different thread directions).
5. Insert the seat post and adjust the seat height for a comfortable riding position.
6. Fully charge the battery before your first ride.
7. Perform a thorough safety check of all connections and functions.

4. OPERATING INSTRUCTIONS

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 same button again.

Pedal Assist System (PAS):

The C1 Plus features 5 levels of pedal assist. Use the '+' and '-' buttons on the control panel to adjust the assist level. Higher levels provide more motor assistance, making pedaling easier.

Throttle Operation:

The bike is equipped with a throttle for instant power without pedaling. Gently twist the throttle grip to engage the motor. Use with caution, especially at higher PAS levels.

Gear Shifting:

Utilize the 7-speed gear shifter to match your pedaling effort to the terrain. Shift to lower gears for climbing hills and higher gears for flat terrain or downhill riding.

Braking:

The bike is equipped with dual 180mm disc brakes. Apply both front and rear brakes simultaneously for balanced and effective stopping. Avoid sudden, hard braking, especially with the front brake, to prevent skidding.

Reliable Braking Power

The C1 brakes are equipped with Zoom calipers and metallic brake pads, paired with a high-temperature resistant brake rotor, delivering performance comparable to hydraulic disc brakes.



180 mm
Brake Rotor



Dual Disc
Braking Performance



The 180mm disc brakes provide reliable stopping power.



7-Speed Gear System

With the 7-speed gear system, you can conquer any terrain, shift gears effortlessly, and enjoy a seamless, fun riding experience.

7-Speed Derailleur

The 7-speed gear system allows for smooth and efficient riding.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Aipas C1 Plus Electric Bike.

Battery Care:

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery before recharging.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Use only the original charger provided with the bike.

General Bike Maintenance:

- Keep tires inflated to the recommended pressure (check sidewall for details).
- Regularly clean the bike frame and components with a damp cloth. Avoid high-pressure washing directly on electrical components.
- Lubricate the chain periodically to ensure smooth gear changes and prevent rust.
- Check brake pads for wear and replace them when necessary.

- Inspect all bolts and fasteners for tightness before each ride.
- Have your bike professionally inspected at least once a year.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Aipas C1 Plus Electric Bike.

Common Issues and Solutions:

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged, battery not properly seated, power button issue.	Charge battery, ensure battery is fully inserted, contact support if issue persists.
Motor not assisting	PAS level too low, throttle not engaged, brake levers engaged, motor connection issue.	Increase PAS level, check throttle, ensure brake levers are fully released, inspect motor cables.
Short battery range	Under-inflated tires, riding in high assist levels, frequent hills, cold weather.	Inflate tires to recommended pressure, use lower PAS levels, pedal more, charge fully.
Brakes squealing	Contaminated brake pads/rotors, worn pads, loose caliper.	Clean pads/rotors, replace worn pads, tighten caliper bolts.

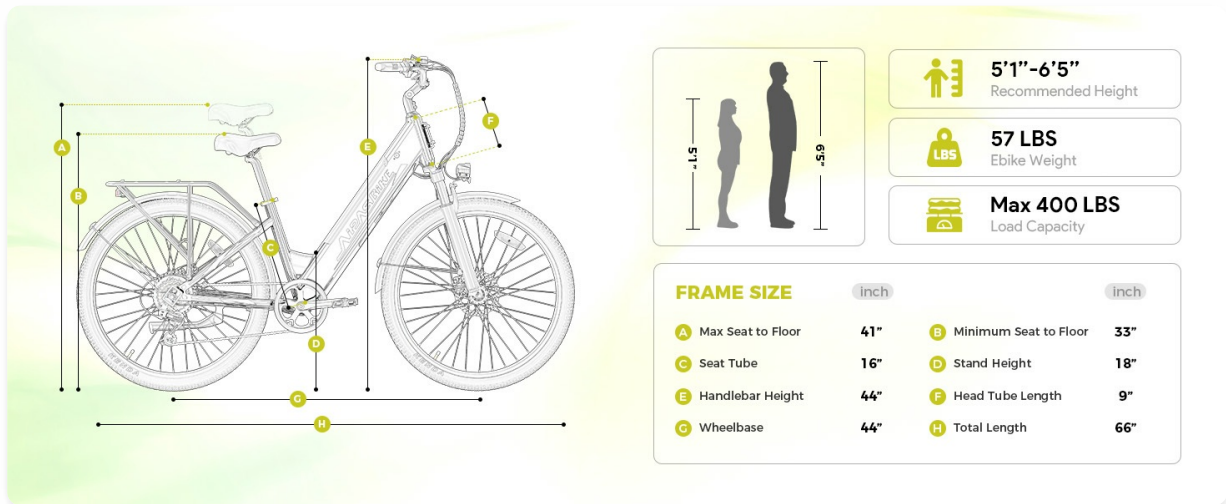
If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact Aipas customer service for assistance.

7. SPECIFICATIONS

Detailed technical specifications for the Aipas C1 Plus Electric Bike.

Feature	Specification
Bike Type	City Bike
Motor	1100W Peak Brushless Motor
Max Torque	90 Nm
Top Speed	28 MPH
Battery	48V 12.8Ah (21700 battery cell)
Battery Waterproof Rating	IP65
Riding Range	Up to 62 Miles

Feature	Specification
Charging Time	4-6 Hours
Frame Material	Aluminum
Wheel Size	26 Inches
Tire Size	26"x2.0"
Suspension Type	Dual (Front Fork & Rear Transverse)
Brake Style	Disc (180mm)
Number of Speeds	7
Recommended Height	5'1" - 6'5"
Ebike Weight	57 LBS
Load Capacity	Max 400 LBS



Detailed dimensions and recommended rider height for the C1 Plus.

8. WARRANTY AND SUPPORT

Aipas is committed to providing excellent customer service and support for your electric bike.

Warranty Information:

Your Aipas C1 Plus Electric Bike comes with a **1-year quality-issue warranty** from the date of purchase. This warranty covers manufacturing defects and significant quality issues. Please retain your proof of purchase for warranty claims.

Technical Guidance and Customer Service:

Aipas provides lifetime technical guidance to assist you with any questions or issues you may have regarding your electric bike.

- **Call Center:** 1(833)532-5966 (Mon.- Fri. 9:00 am-5:30 pm PST)
- **Email Support:** service@aipasbike.com (Responses typically within 24 hours)

For further assistance or to activate your warranty, please reach out to our support team.

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Documents - Aipas – C1 Plus

no relevant documents