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Aipas C1 Plus

Aipas C1 Electric Bike User Manual

Model: C1 Plus

1. INTRODUCTION

Welcome to the Aipas C1 Electric Bike user manual. This guide provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference.



Figure 1: Aipas C1 Electric Bike (Black model) with front and rear baskets, showcasing its step-through frame and full suspension.

2. SAFETY GUIDELINES

Always prioritize safety when operating your electric bike. Adhere to local traffic laws and wear appropriate safety gear, including a helmet. Regularly inspect your bike for any signs of wear or damage before each ride.

- Wear a certified helmet and other protective gear.
- Perform a pre-ride inspection of brakes, tires, battery, and lights.
- Be aware of your surroundings and ride defensively.
- Do not operate the bike under the influence of alcohol or drugs.
- Ensure the battery is securely locked before riding.

3. SETUP AND ASSEMBLY

The Aipas C1 Electric Bike arrives approximately 95% pre-assembled. The following steps outline the final assembly and initial setup required before your first ride.

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for potential future transport or returns.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring all bolts are tightened securely. Adjust the angle for comfortable riding.
3. **Front Wheel Installation:** Install the front wheel, ensuring the quick-release skewer or axle nuts are properly secured. Verify the brake rotor aligns correctly with the caliper.
4. **Pedal Installation:** Identify the left (L) and right (R) pedals. Thread the pedals into the crank arms. Note that the left pedal has a reverse thread. Tighten firmly.
5. **Seat Post and Saddle Adjustment:** Insert the seat post into the frame and adjust the saddle height for comfortable leg extension while pedaling. Secure the quick-release clamp.
6. **Basket Attachment:** Securely attach the front and rear baskets using the provided hardware. Ensure they are stable and do not interfere with steering or wheel rotation.
7. **Battery Installation and Charging:** Insert the removable 48V 11Ah battery into its compartment and lock it securely. Fully charge the battery before the first use. Charging typically takes 4-6 hours.



Figure 2: Key dimensions of the Aipas C1 Electric Bike, including seat height, handlebar width, and recommended rider height range (4'5" - 6'5").

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the bike, press and hold the power button on the Smart M6 LCD display. To power off, press and hold the same button until the display turns off.

4.2 Display Functions (Smart M6 LCD)

The Smart M6 LCD display provides real-time information about your ride. It shows speed, mileage, battery level, and Pedal Assist System (PAS) level. The display also features an integrated USB charging port for your mobile devices.

SMART M6 USB CHARGING DISPLAY

*Rejuvenate Your Phone While Embarking
on Your Riding*



Figure 3: The Smart M6 LCD display with integrated USB charging port, showing speed, battery level, and other ride data.

4.3 Pedal Assist System (PAS)

The C1 Electric Bike features 5 levels of pedal assist. Use the control buttons near the display to cycle through PAS levels 1 to 5. Higher levels provide more motor assistance. At PAS level 5, the bike can reach speeds of 28 MPH or higher.

4.4 Throttle Operation

The bike is equipped with a twist-grip throttle. Gently twist the throttle to engage the motor without pedaling. The throttle provides immediate power, useful for starting or climbing hills.

4.5 Gear Shifting (7-Speed Derailleur)

The 7-speed gear system allows you to adjust your pedaling effort to different terrains. Use the twist-grip shifter on the handlebar to change gears. Shift to lower gears for climbing and higher gears for flat terrain or downhill riding.



Figure 4: Illustration of the 7-speed gear system and twist-grip shifter, enabling smooth transitions across various terrains.

4.6 Braking System (180mm Disc Brakes)

The C1 features dual 180mm disc brakes for reliable stopping power. Apply both brake levers simultaneously for effective and controlled braking. The rear tail light flashes when braking, enhancing visibility.

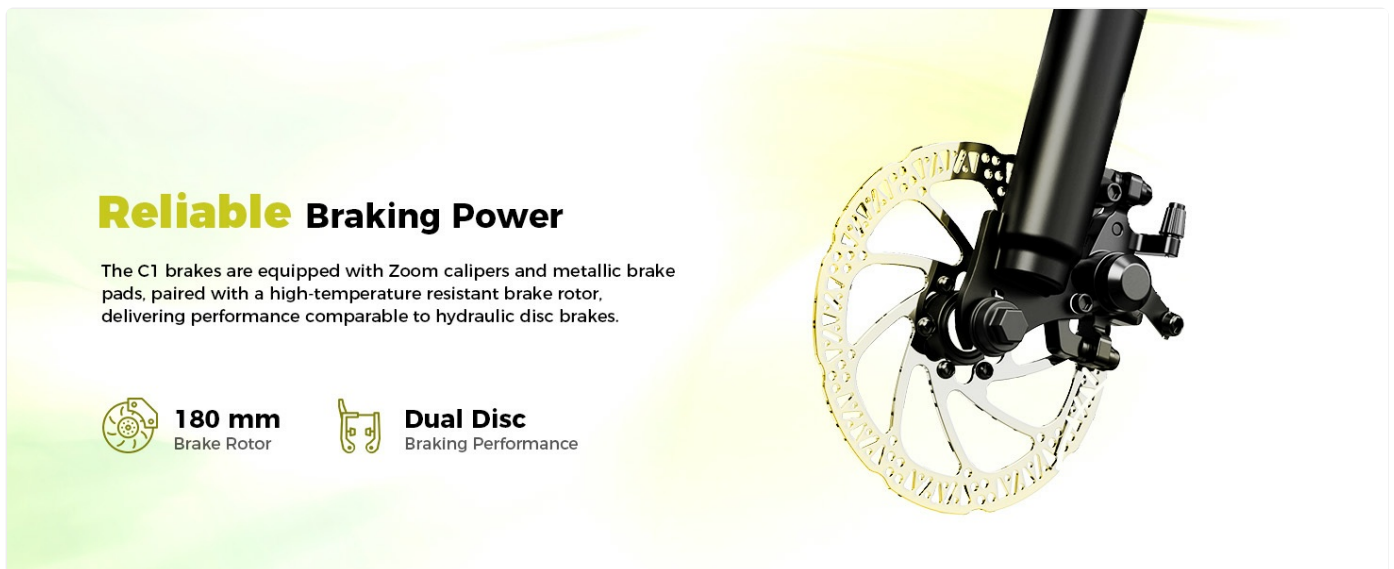


Figure 5: Close-up view of the 180mm disc brake system, highlighting its robust design for reliable stopping performance.

4.7 Suspension System

The bike is equipped with a dual suspension system, including a lockable and adjustable front suspension fork and a transverse rear suspension. This system absorbs shocks and vibrations, providing a smoother and more comfortable ride over varied terrain.



Figure 6: Detailed view of the adjustable front fork suspension, designed to reduce impact on the rider's arms and upper body.

5. MAINTENANCE

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

- **Tire Pressure:** Check tire pressure before each ride. The 26"x2.0" resistant tires are designed for various terrains; maintain recommended pressure for optimal performance and safety.
- **Brakes:** Inspect brake pads for wear and ensure brake levers provide firm and responsive braking. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Battery Care:**
 - Charge the battery regularly, even when not in use, to maintain its health.
 - Store the battery in a cool, dry place.
 - Avoid fully discharging the battery frequently.
 - The battery has an IP65 waterproof rating, but avoid submerging it.
- **General Cleaning:** Clean the bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Fasteners:** Periodically check all bolts and fasteners for tightness, especially on critical components like handlebars, wheels, and seat post.



Figure 7: Illustration of the 48V 11Ah removable battery, highlighting its IP65 waterproof rating, UL 2271 certification, and typical range of 40-68 miles.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged or not properly seated; loose electrical connection.	Ensure battery is fully charged and securely locked in place. Check all visible cable connections.
Motor not assisting	PAS level set to 0; brake levers engaged; motor cable disconnected.	Increase PAS level on the display. Release brake levers. Check motor cable connection.
Brakes feel weak	Worn brake pads; air in hydraulic system (if applicable); misaligned caliper.	Inspect and replace brake pads if worn. Consult a professional for brake bleeding or caliper alignment.

Problem	Possible Cause	Solution
Gears are not shifting smoothly	Dirty or unlubricated chain; misaligned derailleur; stretched cable.	Clean and lubricate the chain. Adjust derailleur limits and cable tension.
Unusual noises during riding	Loose components; rubbing brakes; dry chain; worn bearings.	Inspect all parts for looseness. Check brake alignment. Lubricate chain. If noise persists, seek professional inspection.

7. SPECIFICATIONS

Feature	Detail
Model Name	C1 Plus
Motor	1100W Peak Brushless Motor (90 Nm Max Torque)
Top Speed	Up to 28 MPH (PAS Level 5)
Battery	48V 11Ah Removable Lithium-ion (21700 cells)
Battery Certification	UL 2271 Certified
Waterproof Rating	IP65 (Battery)
Estimated Range	40-68 Miles per charge
Charging Time	4-6 Hours
Frame Material	Alloy Steel (Step-Through Design)
Wheel Size	26 Inches
Tires	26"x2.0" Resistant Tires
Suspension	Dual (Lockable/Adjustable Front Fork, Transverse Rear)
Brakes	Dual 180mm Disc Brakes
Gears	7-Speed Derailleur
Display	Smart M6 LCD with USB Charging Port
Load Capacity	Max 400 LBS
Ebike Weight	63 LBS
Recommended Rider Height	4'5" - 6'5"
Included Components	Basket (Front and Rear)

8. WARRANTY AND SUPPORT

Aipas provides a **1-year quality-issue warranty** for your C1 Electric Bike. We also offer **lifetime technical guidance** to assist you with any questions or issues you may encounter.

For customer service and technical support, please contact us:

Call Center: 1(833)532-5966 (Mon-Fri, 9:00 am-5:30 pm PST)

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

Please have your model number (C1 Plus) and purchase information ready when contacting support.









Figure 8: Aipas customer service details, including phone number, email, and warranty information.



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Related Documents - C1 Plus

	<p>Aipas-C2 Electric Bike Instruction Manual</p> <p>Comprehensive instruction manual for the Aipas-C2 electric bike, covering setup, safety, specifications, controls, functions, maintenance, and warranty information.</p>
	<p>Aipas C1 Xpress ST User Manual: Sleek Urban Commuter Ebike Guide</p> <p>Comprehensive user manual for the Aipas C1 Xpress ST electric bike, detailing assembly, operation, safety, maintenance, and specifications for this 1100W urban commuter ebike.</p>
	<p>Aipas-A2 Electric Bike Instruction Manual</p> <p>Comprehensive instruction manual for the Aipas-A2 electric bike, covering setup, operation, safety, maintenance, and specifications. Learn how to assemble, charge, and safely operate your e-bike.</p>
	<p>Aipas AIPAS-C2 PRO Electric Bike: Instruction Manual and User Guide</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>Aipás-F3 Electric Bike Instruction Manual</p> <p>Comprehensive instruction manual for the Aipás-F3 Electric Bike, covering setup, safety, operation, maintenance, and specifications.</p>
	<p>Aipás V1 Electric Bike Instruction Manual</p> <p>Comprehensive instruction manual for the Aipás V1 Electric Bike, covering setup, safety, operation, maintenance, and specifications.</p>

Documents - Aipás – C1 Plus

no relevant documents