FREESKY Alaska Pro

FREESKY 2026 Alaska Pro Electric Bike User Manual

Model: Alaska Pro

Safety Information | Setup | Operation | Maintenance | Troubleshooting | Specifications | Warranty & Support

Introduction

Welcome to the FREESKY 2026 Alaska Pro Electric Bike user manual. This guide provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Regular inspections and maintenance are crucial for safe operation.

General Safety Guidelines:

- Perform a pre-ride check before each use, including brakes, tires, battery, and lights.
- Ensure all quick releases and fasteners are securely tightened.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and ride defensively.
- Avoid riding in extreme weather conditions or on excessively slippery surfaces.
- The FREESKY Alaska Pro is UL 2849 Certified by TÜV, ensuring compliance with safety standards for electric bicycles.

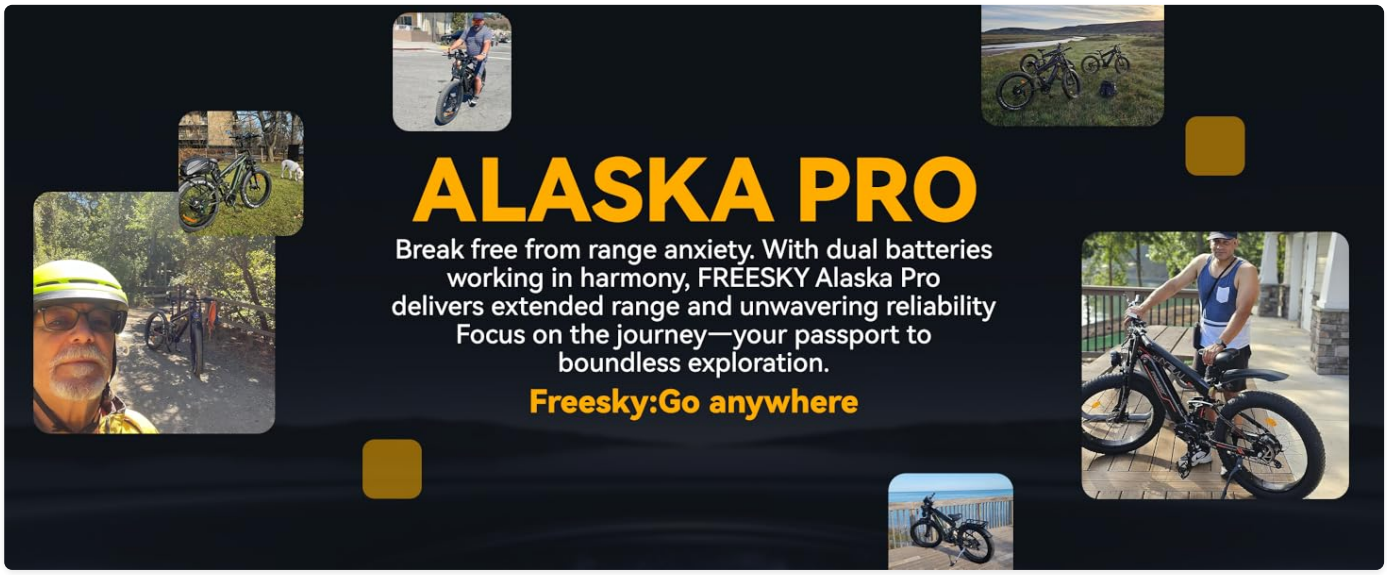


Image: UL Certified by TÜV with 6-way battery protection. This certification ensures the electric bike meets stringent safety standards, including protection against overvoltage, undervoltage, high temperature, low temperature, overcurrent, and short circuits.

Setup

Your FREESKY Alaska Pro electric bike arrives 85% pre-assembled, allowing for quick installation and preparation for your first ride.

Assembly (15-30 minutes):

1. **Unpacking:** Carefully remove the bike and all components from the packaging. Retain packaging for future transport or storage.
2. **Handlebar Installation:** Attach the handlebar to the stem, ensuring proper alignment and tightening all bolts securely.
3. **Front Wheel Installation:** Install the front wheel, making sure the brake rotor is correctly seated in the caliper and the quick release or axle nuts are tightened.
4. **Pedal Installation:** Identify left (L) and right (R) pedals. Thread the pedals into the crank arms. Note that the left pedal is reverse-threaded. Tighten firmly.
5. **Seat Post Installation:** Insert the seat post into the frame and adjust to a comfortable riding height. Secure with the quick release lever.
6. **Battery Installation:** Your Alaska Pro features a dual-battery system. Ensure both batteries are securely seated in their compartments.
7. **Final Checks:** Before riding, double-check all bolts, connections, and tire pressure.



Image: The FREESKY Alaska Pro arrives 85% pre-installed, with key components like the frame, wheels, pedals, and seat requiring final assembly. A toolkit is included for convenience.

Battery Charging:

Before your first ride, fully charge both 48V 45Ah batteries. Use only the charger provided by FREESKY. The smart BMS (Battery Management System) ensures optimal charging and battery longevity (5000+ cycles).

- Connect the charger to a standard wall outlet.
- Connect the charger to the bike's charging port or directly to the removed batteries.
- The indicator light on the charger will show charging status (typically red for charging, green for fully charged).
- Charging time may vary. Do not overcharge.

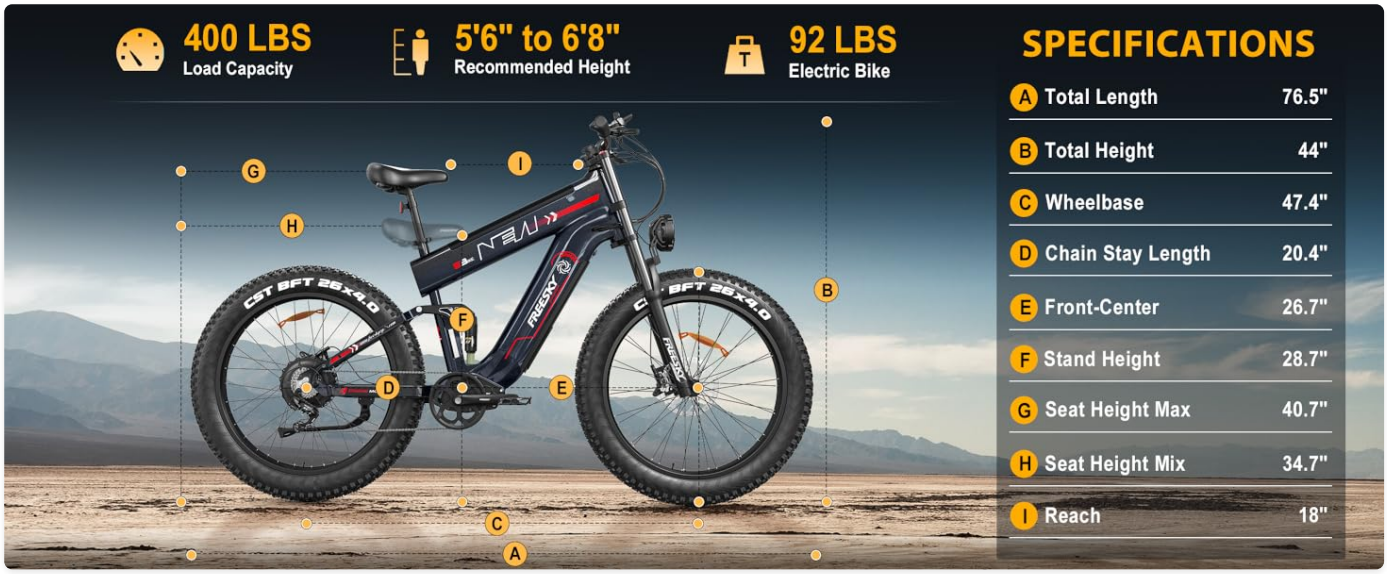


Image: The EasySwap Dual-Battery System allows you to easily remove one battery for charging while continuing to use the other, ensuring extended ride times and convenience.

Operation

The FREESKY Alaska Pro offers multiple riding modes and advanced controls for a versatile riding experience.

Powering On/Off:

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

Riding Modes:

Your e-bike features 5 riding modes:

- **Throttle:** Provides power directly from the motor without pedaling.
- **Pedal Assist System (PAS):** Provides motor assistance while you pedal. Adjust the assist level (1-5) via the display.
- **Cruise Control:** Maintains a set speed without continuous throttle input.
- **Normal:** Rides like a traditional bicycle with no motor assistance.
- **Walk Assist:** Provides low-speed motor assistance for walking the bike.

Speed Settings:

The default speed limit is 20 mph. To unlock pedal assist to 40 mph, briefly press the circle button on the display after turning on the bike. Note that the throttle may require a controller upgrade to match this speed.



Image: The Smart Command Center features an HD LCD display showing speed, battery level, riding mode, wattage, and total mileage. Controls for throttle, horn, and brake are integrated into the handlebar.

Braking System:

The Alaska Pro is equipped with dual 4-piston hydraulic disc brakes for reliable stopping power. These brakes offer a 50% shorter stopping distance compared to mechanical discs.

- Apply both front and rear brakes simultaneously for controlled stopping.
- Avoid sudden, hard braking, especially at high speeds, to prevent skidding.



Image: The advanced 4-Piston Hydraulic Brakes with 180mm large discs provide superior stopping power and control in all conditions, including wet weather.

Suspension System:

The full suspension system, featuring adjustable air shocks and dual hydraulic dampers, adapts to your weight and terrain, absorbing impacts for a smooth ride.

- Adjust the air pressure in the shocks according to your weight and riding preference.
- The adjustable stiffness feature allows customization for different loads or terrains.



Image: The dual hydraulic dampers provide up to 300% more travel and 80% more comfort than standard suspension systems, ensuring smooth rides over rough trails.

Lighting System:

The integrated lighting system enhances visibility and safety.

- **800 Lumen Headlight:** Provides powerful illumination for night riding.
- **Turn Signals:** Clearly indicate your turning intentions to others.
- **Brake Light:** Activates when brakes are applied, alerting traffic behind you.



Image: The comprehensive lighting system, including an 800 lumen headlight, turn signals, and a brake light, ensures 360° visibility and safety during day and night rides.

Maintenance

Regular maintenance will prolong the life of your FREESKY Alaska Pro and ensure safe operation.

Battery Care:

- Charge batteries regularly, even if not in use, to maintain optimal health.
- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid fully discharging the batteries frequently.

Tire Care:

- Maintain recommended tire pressure for optimal performance and safety.
- Inspect tires regularly for wear, punctures, or damage.
- The 26" x 4.0" fat tires are designed for various terrains, including sand and snow.

Brake Maintenance:

- Check brake pads for wear and replace as needed.
- Ensure brake levers are firm and responsive. Bleed hydraulic brakes if they feel spongy.
- Keep brake rotors clean and free of oil or grease.

General Cleaning:

- Clean the bike regularly with a damp cloth and mild soap. Avoid high-pressure washing directly on electrical components.
- Lubricate the chain periodically to ensure smooth operation and prevent rust.

Frame Care:

The 6061 aluminum frame is designed for durability and strength. Inspect the frame periodically for any signs of damage or stress cracks.

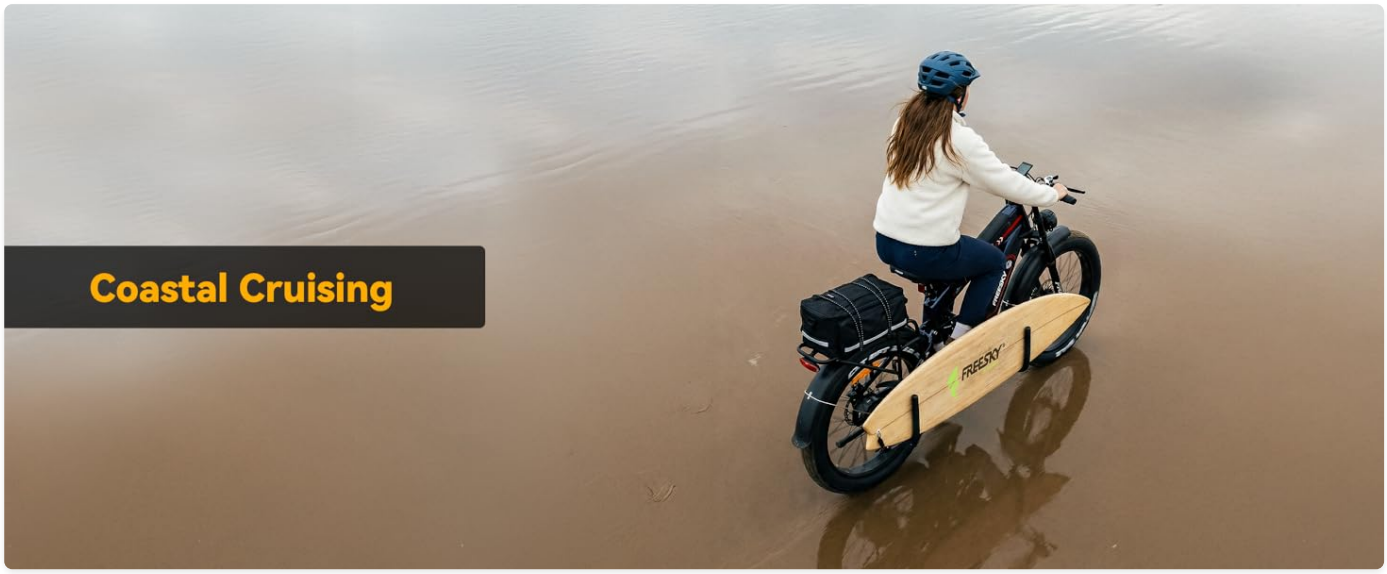


Image: The 6061 aluminum frame excels in structural rigidity, welding integrity, corrosion resistance, impact resistance, and weight-to-strength ratio, ensuring long-term durability.

Troubleshooting

This section addresses common issues you might encounter with your FREESKY Alaska Pro electric bike.

Common Issues and Solutions:

- **Bike does not power on:**
  - Check if batteries are properly installed and charged.

- Ensure the battery power switch is in the 'ON' position.
- Verify all electrical connections are secure.

- **Motor not assisting/working:**
  - Check if the PAS level is set above '0'.
  - Ensure brake levers are not engaged, as they cut motor power.
  - Inspect motor cable connections for damage.

- **Brakes feel weak or spongy:**
  - Check brake pad wear and replace if necessary.
  - Inspect brake lines for leaks or damage.
  - Hydraulic brakes may need bleeding by a qualified technician.

- **Display not showing information:**
  - Ensure the display cable is securely connected.
  - Check for any error codes displayed and refer to the full manual for their meaning.

For issues not covered here or if problems persist, please contact FREESKY customer support.

Specifications

Feature	Detail
Model	FREESKY Alaska Pro
Motor	4000W Peak Brushless Motor, 160Nm Torque
Battery	Dual 48V 45Ah (2000Wh) UL 2271 Certified
Range	200+ Miles per charge
Top Speed	Up to 40 MPH+ (unlockable, 20 mph default)
Wheels	26" x 4.0" Fat Tires
Suspension	Full Suspension (Dual Hydraulic Dampers, Adjustable Air Shocks)
Brakes	Dual 4-Piston Hydraulic Disc Brakes (180mm Large Disc)
Frame Material	6061 Aluminum Alloy
Load Capacity	400 lbs
Recommended Rider Height	5'6" to 6'8"
Bike Weight	92 lbs
Certification	UL 2849 Certified by TÜV

Feature	Detail
Gear Shifter	Twist Grip, Shimano 7-speed
Electric Assist Type	Pedal Assist



Image: Detailed diagram illustrating the dimensions and key specifications of the FREESKY Alaska Pro Electric Bike, including total length, total height, wheelbase, and seat height ranges.

Warranty & Support

FREESKY is committed to providing high-quality products and excellent customer service.

Warranty Coverage:

- **24-Month Coverage:** Motor, Battery, and Controller.
- **12-Month Full Warranty:** Covers other components against manufacturing defects.

Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage from misuse, accidents, unauthorized modifications, or normal wear and tear.

Customer Support:

For any questions, technical assistance, or warranty claims, please contact FREESKY customer support. We offer rapid support to assist you with your electric bike needs.
Refer to the official FREESKY website or your purchase documentation for the most current contact information.

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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