FREESKY A-340

FREESKY Wildcat Ultra 3000W Electric Bike User Manual

Model: A-340

1. Introduction

This manual provides essential information for the safe and efficient operation of your FREESKY Wildcat Ultra 3000W Electric Bike. Please read this guide thoroughly before your first ride and retain it for future reference. This electric bicycle is designed for adults, featuring a powerful 3000W motor, a long-range 25Ah Samsung battery, and full suspension for a comfortable riding experience across various terrains.

2. What's in the Box

- 1x FREESKY Wildcat Ultra Electric Bike
- 1x Tool kit
- 1x User Manual
- 1x 3A Charger

3. Setup and Assembly

Your FREESKY Wildcat Ultra electric bike requires some assembly before its first use. Please follow the instructions carefully.

Your browser does not support the video tag.

Video Description: This video provides a step-by-step guide for unboxing and assembling your FREESKY electric bike. It covers unpacking components, attaching the front wheel, handlebars, pedals, and rear rack. The video also highlights the included tools and accessories.

3.1 Attaching the Front Wheel

Carefully remove all packaging materials from the front wheel and fork. Align the front wheel with the fork dropouts, ensuring the brake rotor slides correctly into the caliper. Secure the wheel using the quick-release lever.

3.2 Handlebar Installation

Attach the handlebars to the stem, ensuring they are centered and at a comfortable angle. Tighten the stem bolts securely. Organize all cables neatly using the provided zip ties.

3.3 Pedal Installation

Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Apply a small amount of grease to the pedal threads and screw them firmly into the crank arms.

3.4 Seat Post Adjustment

Insert the seat post into the frame. Adjust the seat height so that your feet can comfortably touch the ground when stopped. Secure the quick-release clamp firmly.

3.5 Rear Rack and Fenders

Attach the rear rack and fenders using the provided bolts and tools. Ensure they are securely fastened and do not interfere with wheel rotation or braking.

4. Operating Instructions

4.1 Powering On/Off the Ebike

To power on your FREESKY Wildcat Ultra, first ensure the battery is securely inserted and the physical power switch on the battery is in the 'ON' position. Then, press and hold the power button on the handlebar display for 3 seconds. To turn off, press and hold the power button again.

Your browser does not support the video tag.

Video Description: This video demonstrates how to power on and off the ebike using the physical battery switch and the handlebar display. It also shows how to use the NFC smart key or password for activation.

4.2 Unlocking Top Speed

The ebike comes with a default speed limit. To unlock the top speed:

1. Press and hold the [Right Turn] button on the handlebar control to disable the speed limiter. The speed display will flash for 3 seconds to confirm.
2. To restore the speed limit, press and hold the [Right Turn] button again.

Note: The speed limit will automatically reactivate every time the system is powered on.

Your browser does not support the video tag.

Video Description: This video illustrates the process of unlocking and re-engaging the top speed limit on the ebike's display using the handlebar controls.

4.3 Display Functions and Smart Key

The large LCD screen displays real-time stats such as speed, battery level, pedal assist mode, and trip distance. It adapts to lighting conditions for easy readability. The ebike can be unlocked effortlessly via NFC smart key, phone tap (copy NFC information to the phone for use), or password.



Image Description: A close-up of the ebike's large LCD display showing various metrics like speed, battery, and pedal assist level. The image also illustrates the NFC smart key and phone tap functionality for unlocking the bike.

4.4 Riding Modes

The Wildcat Ultra offers five versatile riding modes:

- **Pedal Assist (PAS):** Provides motor assistance as you pedal. Adjust the assist level using the '+' and '-' buttons on the handlebar control.
- **Pure Electric (Throttle):** Engage the throttle for motor power without pedaling.
- **Cruise Control:** Maintain a constant speed without continuous throttle input.
- **Walking Assist:** Provides low-speed motor assistance for pushing the bike while walking.
- **Manual Biking:** Ride the bike like a traditional bicycle without any motor assistance.

4.5 Shifting Gears

Your ebike is equipped with a 7-speed Shimano gear shifting system. Use the shifter on the handlebar to change gears according to terrain and desired pedaling effort.

4.6 Lights and Horn

The ebike features an 800LM bright headlight, rear brake lights, and turn signals for enhanced visibility and safety. A horn is also integrated for alerting others.



Image Description: This image highlights the dual hydraulic disc brakes with 4-piston calipers, emphasizing their superior stopping power compared to mechanical brakes.

5. Battery Information

The FREESKY Wildcat Ultra is powered by a high-capacity 48V 25Ah Samsung Cells Removable Battery, offering up to 105 miles on a single charge. The battery is UL2271 Certified by TÜV SÜD for safety.



Image Description: A visual representation of the 48V 25Ah Samsung battery cells and the UL2271 certification logo, emphasizing safety and long range.

5.1 Charging the Battery

Use the provided 3A fast charger. The battery can be charged directly on the bike via the charging port or removed for charging indoors. A red light on the charger indicates charging, and a green light indicates a full charge. Full charge typically takes 6-8 hours.

5.2 Battery Voltage Sag

During periods of high power demand (e.g., accelerating, climbing hills), the battery's displayed percentage may temporarily drop. This phenomenon, known as 'voltage sag', is a normal characteristic of batteries under load. The percentage will typically recover once the load decreases. While a slight sag is normal, a significant drop (e.g., 9.4% or more) may indicate the battery is being pushed beyond its optimal capacity for sustained periods, potentially affecting its long-term health if consistently overstressed.

6. Safety and Maintenance

Your FREESKY Wildcat Ultra is UL2849 Certified by TÜV (e-bike) and UL2271 Certified by TÜV (battery), ensuring high safety standards. Regular maintenance is crucial for optimal performance and longevity.

- Regularly check tire pressure, brake function, and all bolted connections.

- Keep the battery in a cool, dry place and charge it every two months if not in use for extended periods.
- Avoid exposing the battery to high temperatures or strong sunlight.
- Do not submerge the battery in liquid.
- The intelligent self-diagnosis system can help simplify troubleshooting.

7. Specifications

Bike Type	Electric Bike
Model Number	A-340
Motor Power	3000W (Peak)
Top Speed (Pedal Assist)	37 MPH
Battery	48V 25Ah Samsung Cells Removable Lithium Battery
Max Range	Up to 105 miles
Charger	3A Fast Charger
Frame Material	Aluminum
Suspension Type	Dual (Full Suspension with Hydraulic Shocks)
Wheel Size	26 Inches Fat Tire
Number of Speeds	7
Brake Style	Hydraulic Disc Brakes
Max Weight Recommendation	400 Pounds
Minimum User Height	5'4"
Special Feature	LCD-Display, NFC Smart Key, Type-C Charging Port

8. Warranty and Support

The motor and battery of your FREESKY Wildcat Ultra are covered by an 18-month warranty. For technical support, maintenance inquiries, or any issues, please contact FREESKY customer service.

- **Text/Video Support:** 626901128
- **Email Support:** support@freeskycycle.com
- **Operating Hours:** Monday to Saturday, PST 10:00 am - 11:00 pm

You can also join the FREESKY community for additional support and information by scanning the QR code below:

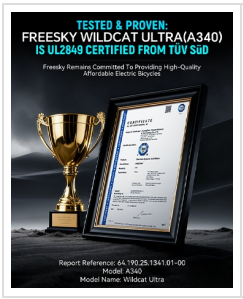


Image Description: A QR code linking to the FREESKY community, likely on Facebook, for customer engagement and support.

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