FREESKY Swift Horse Pro

FREESKY Swift Horse Pro 2025 Electric Bike User Manual

Model: Swift Horse Pro

1. Setup

1.1 Battery Installation and Removal

The FREESKY Swift Horse Pro is equipped with a hidden, removable 48V 30Ah Samsung cells battery. Proper handling ensures longevity and safety.

- **Removal:** Insert the key into the battery lock and turn counter-clockwise to unlock. Hold the battery with one hand and push the battery switch upward with the other hand to release it from the frame.
- **Installation:** Align the battery with the slot in the frame and gently push it down until it clicks into place. Lock the battery using the key by turning it clockwise.
- **Activating Battery:** After installation, locate the power switch on the battery itself and turn it on. An indicator light will illuminate, confirming the battery is active.

For a visual guide on battery handling, please refer to the instructional video below:

Your browser does not support the video tag.

Video: Getting Started with Your Swift Horse Pro eBike. This video demonstrates battery removal, installation, and initial power-on procedures.

1.2 Initial Assembly

The FREESKY Swift Horse Pro electric bike arrives approximately 85% pre-installed. Final assembly typically takes 15-30 minutes.

- Attach the handlebar securely.
- Install the front wheel and fender.
- Attach the pedals (note left and right pedal threading).
- Mount the headlight and electronic display.
- Ensure all bolts and quick releases are tightened according to the included tool kit instructions.

Refer to the detailed assembly instructions provided in the box for specific steps.



Image: The FREESKY Swift Horse Pro 2025 Electric Bike, showcasing its full assembly.

2. Operating the Electric Bike

2.1 Turning On/Off the Bike

The bike can be turned on using two methods:

1. **Using NFC Card:** Swipe the smart key card over the bottom of the display to activate or deactivate the bike. Two cards are provided with the same function.
2. **Using Password:** Hold the "power" button on the handlebar controls to turn on the display. Use the "+" and "-" buttons to choose numbers and the "Power" button to switch between digits and confirm. Enter the default code "1212". Short press "Power" to confirm. To turn off, hold the "power" button.

2.2 Display Functions and Controls

The high-definition colorful display provides essential riding information and controls.

- **Headlight:** Short press the "headlight" button on the handlebar controls to turn the headlight on or off. The 800-lumen headlight ensures visibility.

- **Horn:** Press the horn button to activate the bike's horn.
- **Type-C Charging Port:** A Type-C charging port is located under the display, allowing you to charge mobile devices while riding.



Image: The bike's LCD color digital display, showing smart key functionality and the Type-C charging port.

2.3 Riding Modes

The bike features 5 riding modes to suit various needs and terrains:

- **Electric Mode:** Full throttle, no pedaling required.
- **Pedal-assist Mode (PAS):** Provides motor assistance while pedaling. The higher the PAS level (1-5), the faster the speed. Adjust PAS levels using the "+" and "-" buttons.
- **Cruise Mode:** To activate, hold the throttle for approximately 15 seconds until the cruise icon appears on the display. To deactivate, press the throttle again or squeeze one of the brake levers.
- **Manual Mode:** Ride the bike like a traditional bicycle without motor assistance.
- **Walk Mode:** Hold the "-" button for 3 seconds to enter walk mode, which provides low-speed assistance for walking alongside the bike. Release the button to deactivate.



Image: Visual representation of the five riding modes: Electric, Pedal-assist, Cruise, Manual, and Walk.

2.4 Gear Shifting

The bike is equipped with a SHIMANO 7-Speed Gear System.

- When moving up or down in gears, always pedal at the same time to ensure smooth transitions and prevent damage to the drivetrain.
- Do not shift more than two gears at a time.

Image: Close-up of the SHIMANO 7-Speed gear shifter and rear cassette.

3. Maintenance

3.1 Battery Care

The 48V 30Ah Samsung cells battery is UL 2271 certified, ensuring safety and performance. To maximize battery lifespan:

- Charge the battery using the provided 54V 3A charger. Full charge typically takes 6-8 hours.
- Avoid fully discharging the battery regularly.
- Store the battery in a cool, dry place when not in use.
- Do not expose the battery to extreme temperatures.



Image: Illustration of the 48V 30Ah Samsung Cells Battery and its features.

3.2 Brake System

The bike features dual 180mm hydraulic disc brakes with 4-piston calipers for reliable stopping power in various conditions.

- Regularly check brake pads for wear and replace as needed.
- Ensure brake levers have proper tension and respond smoothly.

- If braking performance degrades, consult a qualified technician for hydraulic fluid checks or bleeding.



Image: Visual of the dual hydraulic disc brakes, highlighting their performance features.

3.3 Suspension System

The bike is equipped with a lockable hydraulic suspension system, including a double crown fork and rear suspension, designed to absorb bumps for a smoother ride.

- Periodically inspect the suspension components for any signs of damage or leaks.
- Keep suspension components clean to prevent dirt buildup that could affect performance.



Image: Illustration of the bike's double shoulder fork and full suspension system.

3.4 Tires

The bike features CST 26"x4" fat tires, enhancing comfort and stability.

- Maintain recommended tire pressure for optimal performance and safety.
- Regularly inspect tires for wear, punctures, or damage.

4. Troubleshooting

This section provides general guidance for common issues. For complex problems, contact customer support.

- **Bike Not Turning On:** Ensure the battery is properly installed, locked, and turned on. Check the display connections.

- **Motor Not Assisting:** Verify the PAS level is set above 0. Check battery charge. Ensure no error codes are displayed on the screen.
- **Brakes Squealing/Ineffective:** Inspect brake pads for wear. Clean rotors. If issues persist, professional adjustment or bleeding may be required.
- **Gear Shifting Issues:** Ensure you are pedaling while shifting. Check for bent derailleur hanger or stretched chain.

5. Specifications

Feature	Specification
Bike Type	Mountain Bike
Age Range (Description)	Adult
Brand	FREESKY
Number of Speeds	7
Color	Black
Wheel Size	26 Inches
Frame Material	Aluminum
Suspension Type	Dual
Special Feature	800 Lumen Headlight & Turn and brake lights, Digital Display, Dual Disc Brake, Dual Suspension, Quick Release Wheels
Included Components	Charger, Manual, Tool Kit
Size	Medium
Brake Style	Disc
Specific Uses For Product	Mountain
Style	Standards
Model Name	Swift Horse Pro
Power Source	Electric motor
Wheel Material	Aluminum
Year	2025
Lithium Battery Energy Content	1440 Watt Hours
Warranty Type	Limited

Feature	Specification
Maximum Weight Recommendation	300 Pounds
Assembly Required	Yes
Bicycle Gear Shifter Type	Thumb
Bicycle Drivetrain Type	Derailleur 7-speed
Electric Assist Type	Electric Assist
Manufacturer	FREESKY
Battery Life	6.83 Hours



Image: Detailed dimensions and load capacity of the Swift Horse Pro model.

6. Warranty and Support

FREESKY provides a professional warranty on every electric bike:

- **Motor, Battery, and Controller:** 18-month warranty.
- **Other Parts:** 12-month warranty.

The battery of FREESKY electric bikes has passed stringent UL 2849 and UL 2271 certifications by TÜV SÜD, ensuring enhanced reliability and safety.

For any questions or support, please contact FREESKY customer service.

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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