

SWFT SWFT Edge

# SWFT Edge Electric Mountain Bike User Manual

Model: SWFT Edge | Brand: SWFT

## 1. INTRODUCTION

The SWFT Edge Electric Bicycle is engineered for versatility, offering a robust and efficient riding experience for various terrains, from city streets to mountain trails. This manual provides essential information for the safe assembly, operation, and maintenance of your e-bike.



Figure 1.1: SWFT Edge Electric Mountain Bike

The SWFT Edge is designed for multi-use riders, featuring high-tread tires and disc brakes for enhanced stopping power. It is equipped with a 350W motor and a 36V 7.5AH battery, providing a maximum range of 44 miles and a top speed of 20 MPH.



# EDGE

44 <sup>MI</sup>	20 <sup>MPH</sup>	350 <sup>W</sup>	4.5 <sup>H</sup>	6
MAX RANGE	TOP SPEED	MOTOR	CHARGE	SPEED

Figure 1.2: Key Performance Specifications

Experience adventures with up to 44 miles of range and a top speed of 20 MPH, powered by a 350W motor. The battery fully charges in approximately 4.5 hours and offers 6 levels of speed assistance.

## 2. SAFETY GUIDELINES

Your safety is paramount. Always adhere to the following guidelines to ensure a safe riding experience:

- **Wear a Helmet:** Always wear a properly fitted helmet that meets safety standards.
- **Obey Local Laws:** Familiarize yourself with and obey all local traffic laws and regulations for e-bikes.
- **Pre-Ride Check:** Before each ride, check tire pressure, brake function, battery level, and ensure all bolts and quick releases are secure.
- **Weather Conditions:** Avoid riding in adverse weather conditions such as heavy rain, snow, or ice. Wet conditions can reduce braking effectiveness.
- **Battery Safety:** Do not tamper with the battery. Use only the provided charger. Avoid exposing the battery to extreme temperatures or direct sunlight.

- **Visibility:** Use the built-in headlight and consider additional reflective gear, especially when riding at dusk or night.
- **Rider Age and Weight:** This e-bike is designed for adults. Adhere to the maximum weight recommendation of 220 pounds.

### 3. PACKAGE CONTENTS

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Upon unboxing your SWFT Edge Electric Mountain Bike, please verify that all components are present and undamaged. The package should include:

- SWFT Edge Electric Mountain Bike (main frame with rear wheel)
- Front Wheel
- Handlebar Assembly
- Seat Post with Saddle
- Pedals (Left and Right)
- Front and Rear Fenders
- Removable Rechargeable Battery
- Battery Charger
- LCD Display Unit
- Headlight
- Reflectors (Front and Rear)
- Assembly Tools (Allen wrenches, spanners, screwdriver)
- User Manual and Documentation





1. 26" PERFORMANCE TIRE  
 2. 350W MOTOR  
 3. DISC-BRAKE  
 4. SADDLE  
 5. FRAME  
 6. MONITOR DISPLAY  
 7. HANDLEBAR STEM  
 8. HANDLEBAR

9. HEADLIGHT  
 10. BATTERY  
 11. CHAIN  
 12. KICKSTAND  
 13. FOOT PEGS  
 14. CRANK & PEDAL  
 15. FORK  
 16. FENDER

Figure 3.1: Exploded View of Bike Components

This diagram illustrates the main components of the SWFT Edge Electric Mountain Bike, aiding in identification during assembly and maintenance.

## 4. SETUP AND ASSEMBLY

Follow these steps to assemble your SWFT Edge Electric Mountain Bike. For a visual guide, please refer to the official installation video below.

Your browser does not support the video tag.

Video 4.1: SWFT Edge E-Bike Installation Guide

This video provides a comprehensive step-by-step guide for unboxing and assembling your SWFT Edge Electric Mountain Bike, including handlebar, wheel, and accessory installation.

- 1. Unboxing and Inspection:** Carefully open the box and remove all packaging materials. Inspect all components for any signs of damage.
- 2. Handlebar Installation:** Attach the handlebar to the stem using the provided Allen wrenches. Ensure it is

centered and securely tightened.

3. **Front Wheel Installation:** Insert the front wheel into the fork. Align the disc brake rotor with the caliper. Secure the wheel using the quick-release skewer or axle nuts.
4. **Fender and Headlight Attachment:** Attach the front and rear fenders to their designated mounting points. Install the headlight onto the front fork or handlebar as instructed.
5. **Seat Post and Saddle:** Insert the seat post with the saddle into the bike frame's seat tube. Adjust the height to a comfortable riding position and secure it with the quick-release clamp.
6. **Pedal Installation:** Identify the left (L) and right (R) pedals. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise. Thread them into the crank arms and tighten securely with a spanner.
7. **Battery Insertion:** Carefully slide the removable battery into its compartment on the bike frame until it clicks into place. Ensure it is locked securely.
8. **LCD Display and Controls:** Mount the LCD display unit and any additional control modules onto the handlebar. Connect the necessary cables.
9. **Brake Adjustment:** Check the brake levers for proper tension and engagement. Adjust the brake calipers if necessary to ensure smooth and effective braking without rubbing.

## 5. OPERATING YOUR E-BIKE

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The SWFT Edge Electric Mountain Bike offers intuitive controls for a seamless riding experience.

### 5.1 Powering On/Off

- To power on the e-bike, press and hold the power button on the LCD display until the screen illuminates.
- To power off, press and hold the power button again until the display turns off.

### 5.2 Pedal Assist Modes

Your SWFT Edge features 3 pedal assist modes, providing varying levels of motor assistance as you pedal. Use the '+' and '-' buttons on the control panel to cycle through these modes:

- **Level 1 (Eco):** Minimal assistance, ideal for conserving battery and light exercise.
- **Level 2 (Standard):** Balanced assistance for general riding and moderate hills.
- **Level 3 (Sport):** Maximum assistance for steep inclines or when you need a significant boost.



**THROTTLE CONTROL & 3 PEDAL ASSIST MODES**  
**RANGE: 44 MILE AVG. RANGE ON PEDAL ASSIST LEVEL 1**

Figure 5.1: Rider utilizing pedal assist modes.

The bike's pedal assist system provides a smooth and effortless ride, adapting to various riding conditions.

### 5.3 Throttle Control

The e-bike is equipped with a throttle for instant power without pedaling. Gently twist the throttle on the handlebar to engage the motor. The amount of twist controls the speed.

### 5.4 LCD Display Functions

The premium LCD display provides real-time information about your ride:

- **Speed:** Current riding speed.
- **Throttle Level:** Indicates the current throttle output.
- **Light Indicator:** Shows if the headlight is on or off.
- **Battery Level:** Displays the remaining battery charge.
- **Odometer/Trip Distance:** Tracks total distance or current trip distance.



Figure 5.2: Close-up of the LCD Display.

The backlit LCD display serves as your command center, providing essential ride data at a glance.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your SWFT Edge Electric Mountain Bike.

### 6.1 Battery Care and Charging

- The 36V 7.5AH Lithium-Ion Battery fully charges in approximately 4.5 hours.
- Always use the original charger provided with your e-bike.
- Charge the battery in a dry, well-ventilated area, away from flammable materials.
- Do not leave the battery charging unattended for extended periods.
- For long-term storage, charge the battery to about 50-70% and store it in a cool, dry place. Recharge every 2-3 months to maintain battery health.
- The battery has a 500-cycle lifespan.



Figure 6.1: Removable Rechargeable Battery.

The battery is easily removable for convenient charging and storage.

### 6.2 Tire Pressure



- Maintain proper tire pressure as indicated on the tire sidewall. Incorrect pressure can affect ride quality, range, and tire lifespan.
- Check tire pressure before each ride using a reliable gauge.

### 6.3 Brake Inspection

- Regularly inspect the disc brakes for wear on the pads and rotors.
- Ensure brake levers are firm and responsive. Adjust cable tension if necessary.
- If you notice any grinding noises or reduced braking performance, have the brakes inspected by a qualified technician.



Figure 6.2: Front Disc Brake System.

The robust disc brakes provide reliable stopping power in various conditions.

### 6.4 General Cleaning

- Clean your e-bike regularly with a damp cloth and mild soap. Avoid high-pressure washers, which can damage electrical components.
- Lubricate the chain periodically to ensure smooth operation and prevent rust.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your SWFT Edge Electric Mountain Bike. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Bike does not power on	Battery is not charged or not properly seated.	Ensure battery is fully charged and securely inserted into the frame. Check battery connection.
Motor not assisting / No power from throttle	Battery low, loose electrical connection, or pedal assist level is zero.	Charge the battery. Check all cable connections. Increase pedal assist level on the LCD display.

Problem	Possible Cause	Solution
Brakes feel spongy or ineffective	Loose brake cable, worn brake pads, or misaligned caliper.	Adjust brake cable tension. Inspect brake pads for wear and replace if necessary. Ensure caliper is aligned with the rotor.
Tires losing air quickly	Puncture or valve issue.	Inspect tires for punctures and repair/replace inner tube. Check valve stem for leaks.
Unusual noises during riding	Loose components, dry chain, or brake rub.	Check all bolts and connections. Lubricate the chain. Adjust brake caliper if rubbing.

## 8. SPECIFICATIONS

Detailed technical specifications for the SWFT Edge Electric Mountain Bike:

- **Bike Type:** Mountain Bike
- **Age Range (Description):** Adult
- **Brand:** SWFT
- **Number of Speeds:** 6
- **Color:** Black
- **Wheel Size:** 26 Inches
- **Frame Material:** Alloy Steel
- **Suspension Type:** Fork
- **Special Feature:** Rechargeable
- **Included Components:** Removable Rechargeable Battery, LCD Display, Headlight
- **Size:** One Size
- **Brake Style:** Disc
- **Specific Uses For Product:** Multi-use
- **Theme:** Outdoor
- **Style:** All-terrain / Mountain
- **Model Name:** Edge
- **Power Source:** Battery
- **Wattage:** 350 watts
- **Wheel Material:** Alloy Steel
- **Lithium Battery Energy Content:** 270 Watt Hours (36V 7.5AH)
- **Maximum Weight Recommendation:** 220 Pounds
- **Assembly Required:** No (referring to main components, some assembly is needed as per manual)
- **Bicycle Gear Shifter Type:** Trigger
- **Item Weight:** 65.9 pounds
- **Minimum User Height:** 65 Inches



## DURABLE FRAME & LIGHTWEIGHT



**RECOMENDED  
RIDER HEIGHT**  
5'5"+



**WEIGHT LIMIT**  
220 LBS



**EDGE E-BIKE**  
50.4 X 27.5 X 25.5 IN  
52.9 LBS

Figure 8.1: Recommended Rider Height and Weight Limit.

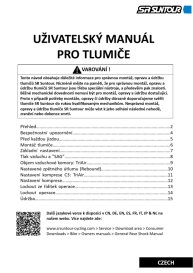



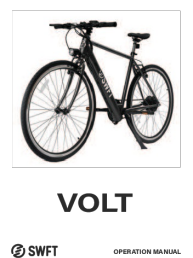

The SWFT Edge is designed to accommodate riders 5'5" and taller, with a maximum weight limit of 220 lbs.

## 9. WARRANTY AND SUPPORT

For warranty information, product support, or to purchase replacement parts, please refer to the warranty card included in your package or visit the official SWFT website. You may also contact SWFT customer service directly for assistance.

Keep your proof of purchase for any warranty claims.

Related Documents - SWFT Edge

	<p><a href="#">SR Suntour Rear Shock Absorber User Manual: Setup, Adjustment, and Maintenance</a></p> <p>A comprehensive user manual for SR Suntour rear shock absorbers, covering models like TriAir, EDGE-TT, EDGE, and RAIDON. This guide details installation, basic setup, air pressure and SAG adjustment, air chamber volume changes, rebound and compression tuning, lockout operation, and essential maintenance procedures to ensure optimal performance and longevity.</p>
	<p><a href="#">SWFT Sonic Electric Hoverboard User Manual</a></p> <p>Comprehensive user manual for the SWFT Sonic Electric Hoverboard, detailing operation, safety, and maintenance. Learn how to use your hoverboard safely and effectively.</p>
	<p><a href="#">Hover-1 Edge 2.0 Electric Folding Scooter Operation Manual &amp; Safety Guide</a></p> <p>Comprehensive operation manual and safety guide for the Hover-1 Edge 2.0 electric folding scooter, covering setup, riding, maintenance, troubleshooting, and safety precautions.</p>
	<p><a href="#">SWFT ZIP E-Bike Operation Manual</a></p> <p>Comprehensive operation manual for the SWFT ZIP e-bike, covering safety instructions, assembly, riding precautions, maintenance, and troubleshooting.</p>
	<p><a href="#">SWFT VOLT E-Bike Operation Manual</a></p> <p>Comprehensive operation manual for the SWFT VOLT e-bike, covering safety instructions, riding precautions, assembly, maintenance, troubleshooting, and battery care.</p>
	<p><a href="#">JL Audio Stealthbox SB-F-Edg/10W3v3 Installation Guide for 2007+ Ford Edge</a></p> <p>Comprehensive installation guide for the JL Audio Stealthbox SB-F-Edg/10W3v3 subwoofer enclosure, designed for the 2007 and newer Ford Edge. Includes step-by-step instructions, important safety information, specifications, and power recommendations.</p>





# EDGE



OPERATION MANUAL

[\[pdf\]](#) User Manual Instructions Troubleshooting Guide Warranty Diagram

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EDGE THANK YOU FOR YOUR PURCHASE OF THE **SWFT EDGE** E-BIKE.

SAFETY INSTRUCTIONS PREFACE OWNER RESPONSIBILITY RIDING

PRECAUTIONS E-BIKE DIAGRAM PARTS SERIAL NUMBER

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ASSEMBLY INSTRUCTIONS...

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