

URTOPIA EC1F

URTOPIA Carbon Fold 1 E-Bike User Manual

Model: EC1F

INTRODUCTION

Welcome to the URTOPIA Carbon Fold 1 E-Bike user manual. This guide provides essential information for the safe and efficient operation, maintenance, and care of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference.

Safety Warnings

- Always wear a helmet when riding.
- Familiarize yourself with local traffic laws and regulations.
- Perform pre-ride checks before each use, including brakes, tires, and battery.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on slippery surfaces.

SETUP AND INITIAL PREPARATION

Assembly-Free Design

The URTOPIA Carbon Fold 1 E-Bike is designed for immediate use with minimal setup. No complex assembly steps are required. Simply unfold the bicycle in two easy steps, and it's ready to ride.



NO ASSEMBLY NEEDED!

Ready to Ride Straight Out of the Box!



Image: The URTOPIA Carbon Fold 1 E-Bike comes pre-assembled, requiring only unfolding before use.

Battery Charging

Your e-bike is equipped with a removable 36V 7Ah battery integrated into the seat post. For optimal performance and longevity, fully charge the battery before your first ride. A full charge typically takes approximately 3 hours.

- Locate the charging port on the removable seat post.
- Connect the charger to the battery and then to a power outlet.
- The indicator light on the charger will change to indicate a full charge.

Removable Battery



UL 2849
CERTIFICATION



40 Miles
Max Range



3 Hours
Quick Charge



36V 7Ah
High Efficiency



Image: The removable seat post battery offers up to 40 miles of range and charges in about 3 hours.

OPERATING INSTRUCTIONS

Folding and Unfolding

The Carbon Fold 1 E-Bike features a convenient 2-step folding mechanism, allowing it to be folded in approximately 30 seconds for easy storage and transport.

- **Unfolding:** Release the frame latch and handlebar latch. Extend the frame and handlebar until they click into place. Secure all latches.
- **Folding:** Release the handlebar latch and fold the handlebar down. Release the frame latch and fold the main frame in half. Ensure all components are securely folded.

29lbs Ultra-Light

Carbon Folding Ebike



Light as a Feather, Strong as Steel

Image: The ultra-light 29lbs design makes the folded e-bike easy to carry.

Take It Anywhere!

Small Folded, Big Freedom



Image: The compact folded size allows for easy transport in a car trunk.

Smart Display Functions

The integrated smart display provides real-time information about your ride and bike status. Use the buttons near the display to navigate through functions and adjust settings.

- **Speed:** Current riding speed.
- **Battery Level:** Remaining battery charge.
- **Light Status:** Indicates if headlights/taillights are on/off.
- **Cadence:** Your pedaling revolutions per minute (RPM).
- **Rider Power:** Power output from your pedaling.
- **Motor Power:** Power output from the electric motor.
- **Assistance Level:** Current level of pedal assist (adjust to increase or decrease motor assistance).

SMART DISPLAY



Image: The smart display provides comprehensive ride data at a glance.

Pedal Assist System and Gearing

The URTOPIA Carbon Fold 1 E-Bike features a 500W motor and a torque sensor for a smooth, responsive pedal assist experience. The Shimano 8-speed gearing system allows you to adapt to various terrains and riding conditions.

- **Torque Sensor:** Automatically adjusts motor power based on your pedaling effort, providing a natural and intuitive boost.
- **Shimano 8-speed Derailleur:** Use the gear shifter on the handlebar to change gears, optimizing your pedaling efficiency for climbs or flat roads.



Image: The 500W motor and smart torque sensor provide powerful and efficient pedal assistance.

Braking System

Your e-bike is equipped with reliable disc brakes for effective stopping power. Ensure brakes are functioning correctly before each ride.

- The left lever controls the front brake, and the right lever controls the rear brake.
- Apply both brakes simultaneously for balanced and effective stopping.

Lighting

The e-bike includes integrated front and rear lights for visibility. Activate them via the smart display controls, especially when riding in low-light conditions.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your URTOPIA Carbon Fold 1 E-Bike.

Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not expose the battery to water or excessive moisture.

Cleaning

- Clean the bike with a damp cloth and mild soap. Avoid high-pressure washers.
- Keep the chain and gears clean and lubricated.

Tire Pressure

Check tire pressure before each ride. Refer to the tire sidewall for recommended PSI (Pounds per Square Inch).

Brake Inspection

Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.

TROUBLESHOOTING

This section addresses common issues you might encounter with your URTOPIA Carbon Fold 1 E-Bike.

Problem	Possible Cause	Solution
Bike does not power on.	Battery not charged; Battery not properly seated; Power button not pressed correctly.	Charge battery; Ensure battery is fully inserted into seat post; Press and hold power button.
Motor not assisting.	Low battery; Pedal assist level set to zero; Sensor issue.	Charge battery; Increase pedal assist level on display; Contact support if issue persists.
Folding mechanism is stiff.	Lack of lubrication; Debris in hinge.	Apply a small amount of lubricant to hinges; Clean any visible debris.

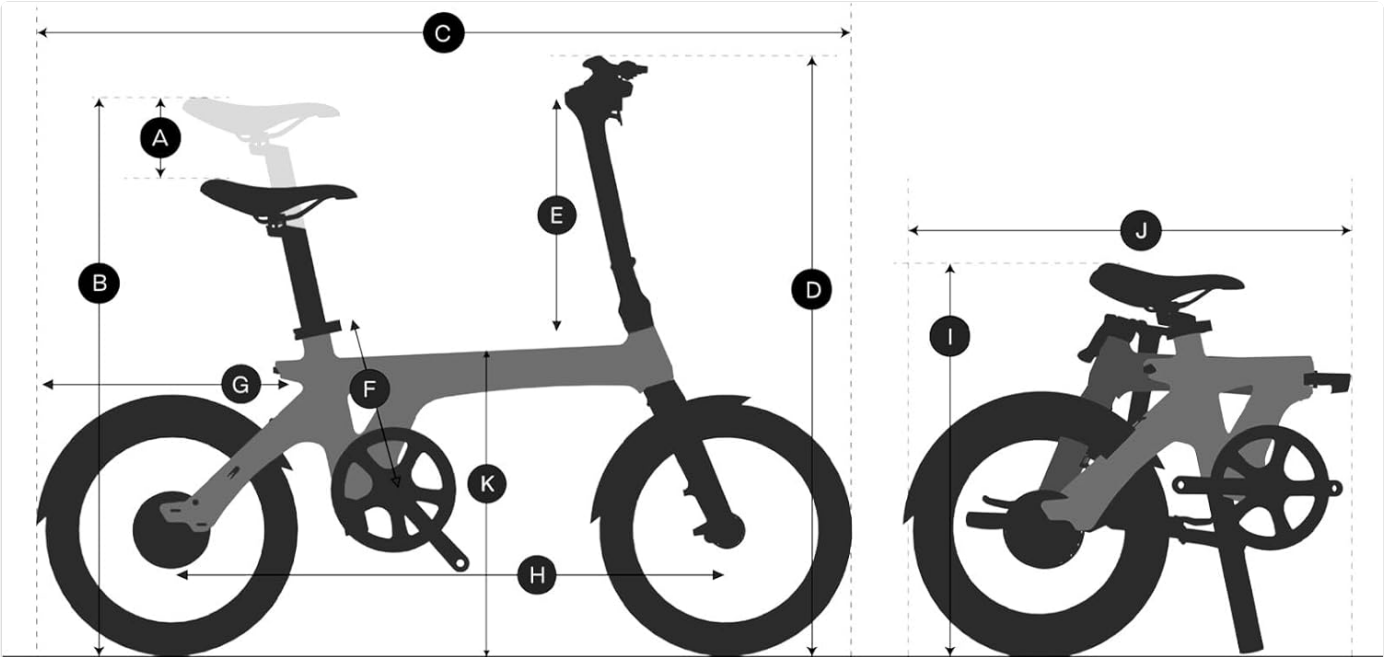
For issues not listed here or if solutions do not resolve the problem, please contact URTOPIA customer support.

SPECIFICATIONS

Key technical specifications for the URTOPIA Carbon Fold 1 E-Bike:

Feature	Detail
Bike Type	Electric Bike, Commuting Bike
Model Name	EC1F
Weight	29 lbs (13.15 kg)
Frame Material	Carbon Fiber
Motor	500W

Feature	Detail
Battery	36V 7Ah (Removable Seat Post)
Max Range	Up to 40 Miles (in pedal assist mode)
Top Speed	20 Mph
Gearing System	Shimano 8-speed
Wheel Size	18 Inches
Brake Style	Disc
Max Weight Recommendation	220 Pounds
UL Certification	UL2849 Certified



185CM
155CM

5'1"-6'1"
Recommended height

29 lbs
Bicycle weight

MAX 220LBS
Load capacity

A. Adjustable seat range	220 mm
B. highest point of the seat post	1020 mm
C. Overall length	1480 mm
D. Handlebar grips height	1090 mm
E. Headset height	400 mm
F. Seat tube length	310 mm
G. Wheel diameter	450 mm
H. Wheelbase	1000 mm
I. Height after folding	680 mm
J. Overall length after folding	800 mm
K. Standover height	550 mm

Image: Detailed dimensions of the URTOPIA Carbon Fold 1 E-Bike in both unfolded and folded states.

WHY CARBON		V.S.	
Advantages	Carbon Fiber		6061 Aluminum Alloy
45% lighter (same geometry)	~1.5g/cm ³	Weight	~2.7g/cm ³
35x higher tensile strength	~7000MPa	Strength	~200MPa
3x stiffer	~200GPa	Stiffness	~70GPa
Greater design freedom	Smooth, aerodynamic, flexible forms	Design	Welded joints, limited shapes, visible welds
Lighter more joyful ride	Agile, easy to maintain speed	Ride quality	Heavier, harder to maneuver
More comfortable on long rides	Absorb and dissipate vibration	Comfortability	Transfers vibration rigidly
Longer lifespan & better value	Resistant to fatigue	Durability	Prone to fatigue & welding degradation

Image: Comparison of Carbon Fiber vs. Aluminum Alloy frame materials, highlighting the benefits of carbon fiber used in this model.

WARRANTY AND SUPPORT

The URTOPIA Carbon Fold 1 E-Bike comes with a 2-year Limited Warranty. For warranty claims, technical support, or any inquiries, please contact URTOPIA customer service.

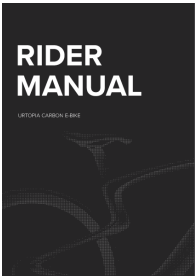
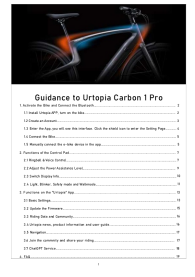



- **Manufacturer:** Velots (Changzhou) Technology Co., Ltd
- **Warranty Description:** 2-year Limited Warranty
- **Online Support:** Visit the official URTOPIA website or Amazon store for contact information.

PRODUCT VIDEO

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Video: An official product video showcasing the URTOPIA Carbon Fold 1 E-Bike's features, including its lightweight design, folding mechanism, and smart technology. This video highlights the ease of transport and riding experience.

Related Documents - EC1F

	<p>Urtopia Carbon E-Bike Rider Manual: Assembly, Operation, and Maintenance</p> <p>Comprehensive guide for the Urtopia Carbon E-Bike, covering assembly instructions, smartbar controls, LED display functions, safety guidelines, maintenance tips, battery information, and specifications.</p>
	<p>Urtopia Carbon 1 Pro User Guide: Features and Operation</p> <p>Comprehensive guide to the Urtopia Carbon 1 Pro electric bike, covering setup, app integration, control pad functions, riding data, and troubleshooting.</p>
	<p>Urtopia Carbon 1 Pro Owner's Manual: Assembly, Specifications, and Safety Guide</p> <p>The official owner's manual for the Urtopia Carbon 1 Pro electric bicycle, detailing assembly, specifications, smart features, safety instructions, and maintenance for optimal use.</p>
	<p>Urtopia Fusion GT E-Bike Owner's Manual</p> <p>Comprehensive owner's manual for the Urtopia Fusion GT e-bike, covering assembly, activation, usage, safety guidelines, and maintenance.</p>
	<p>Urtopia Fusion E-Bike Owner's Manual</p> <p>Comprehensive owner's manual for the Urtopia Fusion electric bicycle, covering operation, maintenance, safety, and specifications. Learn how to assemble, adjust, and ride your Urtopia electric bicycle safely.</p>



[Urtopia Fold 1: Lightweight Carbon Fiber Folding Electric Bike](#)

Discover the Urtopia Fold 1, a lightweight and space-efficient folding electric bike featuring a full carbon fiber frame, a removable seat post battery, integrated lights, and four-level pedal assist. Explore its specifications, dimensions, and features.