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ECOROAD EC9 Electric Scooter User Manual

Model: EC9 | Brand: ECOROAD

1. IMPORTANT SAFETY INFORMATION

Before operating your ECOROAD EC9 Electric Scooter, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or damage to the scooter.

- Always wear a helmet and appropriate protective gear (knee pads, elbow pads) while riding.
- Familiarize yourself with local laws and regulations regarding electric scooter usage.
- The EC9 Electric Scooter is designed for riders aged 13 and above.
- Do not exceed the maximum weight limit of 264 pounds (120 kg).
- Avoid riding in wet conditions, heavy rain, or on slippery surfaces.
- Perform a pre-ride check: ensure brakes are functional, tires are in good condition, and all components are secure.
- The scooter is UL2272 certified for electrical safety.

Braking System

The EC9 features a Dual Braking System, combining Electronic Anti-lock Braking System (EABS) and a mechanical disc brake, for reliable stopping power.

Safety Dual Brake System

EABS and rear drum brake
keep your a safe ride



Image: The ECOROAD EC9 Electric Scooter's dual braking system, featuring both electronic and disc brakes for enhanced safety.

Lighting System

For visibility and safety, the scooter is equipped with a bright LED headlight, taillights, and integrated turn signals.

Safe Light System

Guarding travel at night



Image: The ECOROAD EC9 Electric Scooter's safe light system, showing the illuminated headlight and turn signals for night travel.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- EC9 Electric Scooter ×1
- Charger ×1
- Power Cord ×1
- Hexagonal wrench ×1
- Spare screw set
- Instruction manual ×1 (this document)

3. ASSEMBLY AND INITIAL SETUP

Handlebar Attachment

The EC9 Electric Scooter comes partially assembled. Attach the handlebars to the main stem using the provided hexagonal wrench and screws. Ensure all connections are secure before use.

Initial Charging

Before first use, fully charge the scooter's battery. The initial charging time is approximately 6 hours. Connect the charger to the scooter's charging port and then to a power outlet. The indicator light on the charger will change when charging is complete.



Image: An overview of the ECOROAD EC9 Electric Scooter, demonstrating its design and the accompanying mobile app interface.

4. OPERATING INSTRUCTIONS

Power On/Off

Press and hold the power button on the display to turn the scooter on or off.

Starting the Scooter

To engage the motor, you must first kick-start the scooter to a speed of over 3 MPH (5 km/h). Once moving, press the throttle to accelerate.

Speed Modes (Gears)

The EC9 offers multiple speed modes. Quickly press the power button **TWICE** to cycle through the available gears: ECO, D (Drive), S (Sport), and Push Assist mode. Each mode offers different maximum speeds and power delivery.



Image: The scooter's display illustrating the three riding styles: Eco (9 MPH), Race (15 MPH), and Sport (21 MPH).

Headlight and Taillight Operation

Press the power button **ONCE** to turn the headlight and taillight on or off.

Turn Signals

Use the dedicated switch on the handlebar to activate the left or right turn signal, indicating your intended direction to others.

Cruise Control

To activate or deactivate cruise control, quickly press the power button **FOUR TIMES**. Cruise control maintains your current speed without continuous throttle input.

Using the Mobile App

The ECOROAD EC9 can be connected to a mobile application for enhanced control and monitoring. The app allows for real-time monitoring of power, speed, total mileage, and includes a digital lock feature.

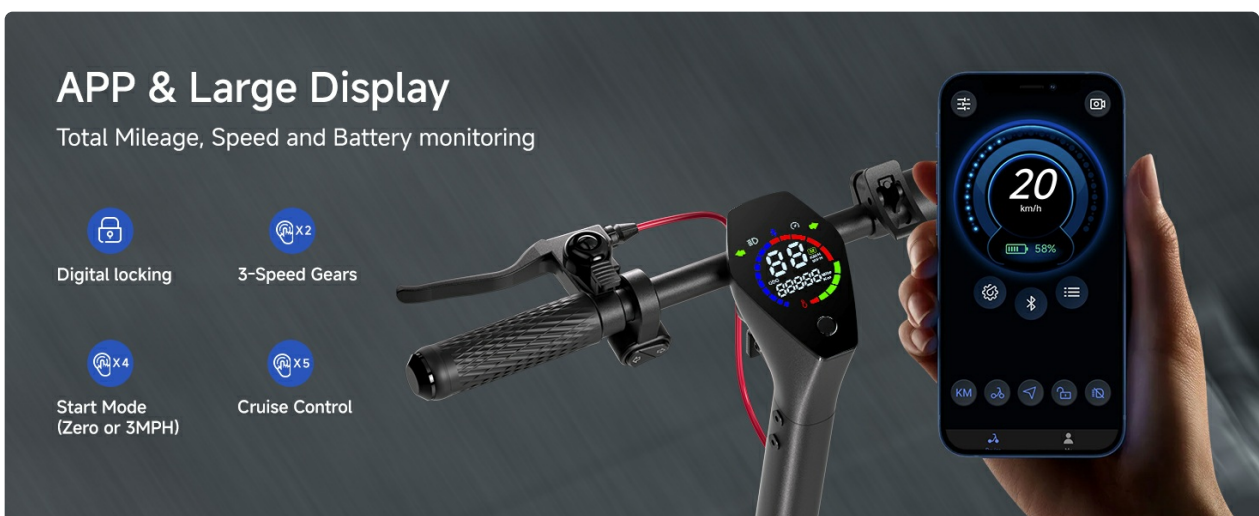


Image: The scooter's integrated display and the mobile application interface, showing smart control features like speed, battery, and digital lock.

Folding and Unfolding

The EC9 features a foldable design for easy storage and transport. Locate the folding mechanism on the stem and follow the instructions to securely fold or unfold the scooter. Ensure the locking mechanism is fully engaged before riding.



Image: A man carrying the folded ECOROAD EC9 Electric Scooter, demonstrating its portability for public transport.

5. MAINTENANCE AND CARE

Battery Care

The EC9 is powered by a UL2272-certified 36V 13Ah high-capacity battery, offering up to 30 miles of range. To maximize battery life, avoid fully depleting the battery regularly and store the scooter in a cool, dry place when not in use. Charge the battery fully after each ride.



Image: A detailed view of the ECOROAD EC9 Electric Scooter's 468WH large battery, highlighting its capacity for extended range.

Tire Maintenance

The scooter is equipped with 10-inch solid tires, which are designed for durability and anti-skid performance, requiring minimal maintenance compared to pneumatic tires. Regularly inspect tires for wear or damage.

10-Inch Solid Tire

Anti-skid Effects, Long Service Life



Image: A close-up of the ECOROAD EC9 Electric Scooter's 10-inch solid tire, emphasizing its anti-skid properties and long service life.

Cleaning

Wipe the scooter with a damp cloth to clean. Avoid using high-pressure water jets or harsh chemicals, which can damage electronic components.

Brake Checks

Periodically check the responsiveness of both the electronic and disc brakes. If you notice any degradation in braking performance, consult the troubleshooting section or contact customer support.

Intelligent Over-Temperature Protection

The EC9 features an intelligent Battery Management System (BMS) with over-temperature protection, short circuit protection, overcurrent protection, and dual protection from overcharging to ensure safe operation and battery longevity.

Intelligent Over-Temperature Protection Mechanism

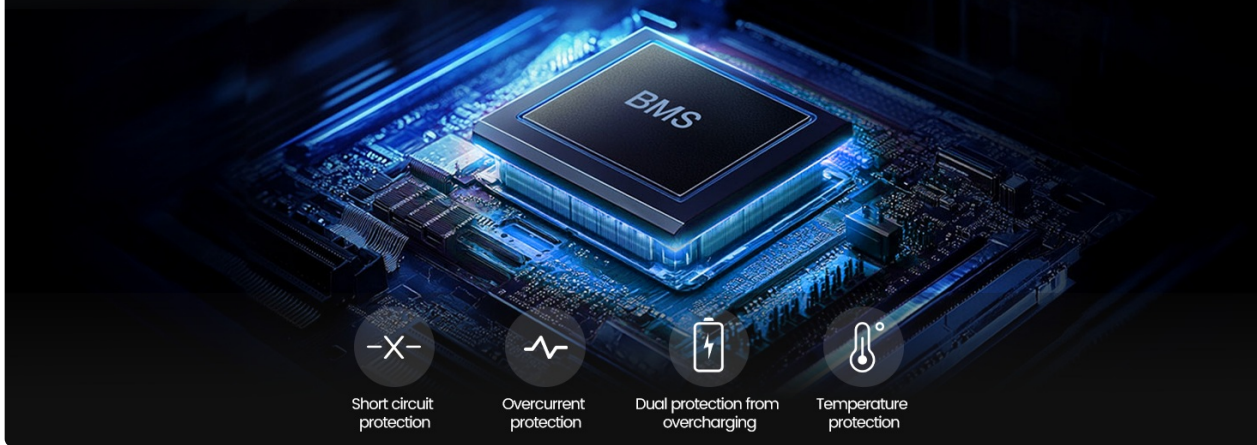


Image: A diagram detailing the intelligent over-temperature protection mechanism, including short circuit, overcurrent, dual overcharging, and temperature protection.

6. TROUBLESHOOTING

This section addresses common questions and issues you might encounter with your ECOROAD EC9 Electric Scooter.

- **How to Start the Scooter?** You need to achieve a kick-start speed over 3 MPH (5 km/h) before pressing the throttle to accelerate.
- **How to Use the Turn Signals?** Switch the dedicated lever on the handlebar to the left or right to activate the corresponding turn signal.
- **How to Turn On/Off the Headlight?** Press the power button **ONCE** to toggle the headlight and taillight.
- **How to Switch Gears?** Quickly press the power button **TWICE** to cycle through the ECO, D, S, and Push Assist modes.
- **How to Turn On/Off Cruise Control?** Quickly press the power button **FOUR TIMES** to engage or disengage cruise control.
- **Scooter Not Reaching Max Speed?** Ensure you are in 'S' (Sport) mode. Factors like rider weight, terrain, and battery level can affect top speed.
- **Reduced Range?** Battery range is affected by riding mode, rider weight, terrain, and temperature. Ensure the battery is fully charged.

7. SPECIFICATIONS

Detailed technical specifications for the ECOROAD EC9 Electric Scooter:

Feature	Specification
Brand	ECOROAD
Model Name	EC9
Motor Power	500W Brushless Hub Motor
Max Speed	Up to 21 MPH (34 km/h)
Max Range	Up to 30 Miles (48 km)
Battery	36V 13Ah (UL2272 Certified)
Charging Time	Approx. 6 hours
Weight Limit	264 Pounds (120 kg)
Tires	10-inch Solid Tires
Suspension	Front and Rear Shock Absorbers (4 total)
Brake System	EABS + Disc Brake
Special Features	Cruise Control, Foldable, Turn Signals, APP Lock, LED Lights
Product Dimensions (LxWxH)	21.3" x 45.7" x 44.5" (54.1 x 116.1 x 113 cm)
Item Weight	37.4 Pounds (17 kg)
Frame Material	Aluminum

EC9 Parameters



25-30
Miles Range



21MPH
Top Speed



500W
Peak Motor



264LBS
Max Load



Image: Key performance parameters of the ECOROAD EC9 Electric Scooter, including range, top speed, motor power, and maximum load capacity.

8. WARRANTY AND SUPPORT

Warranty Information

The ECOROAD EC9 Electric Scooter comes with a 6-month general warranty. Specific components may have varying warranty periods, including a 1-year or 180-day warranty for different parts as detailed in your purchase documentation.

Customer Support

For any questions, technical assistance, or warranty claims, please contact our 24/7 US-Based Customer Support. Refer to your purchase receipt or the ECOROAD official website for contact details.