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› ECOROAD EC9 Electric Scooter User Manual

## ECOROAD EC9

# ECOROAD EC9 Electric Scooter User Manual

Model: EC9 (30-mile 500W Blue)

Brand: ECOROAD

## 1. SAFETY INFORMATION

Your safety is paramount. Please read and understand all safety warnings and instructions before operating the ECOROAD EC9 Electric Scooter. Failure to follow these instructions may result in serious injury or property damage.

- Always wear a helmet and appropriate safety gear (knee pads, elbow pads) when riding.
- Adhere to local laws and regulations regarding electric scooter use, including age restrictions and speed limits.
- Do not exceed the maximum weight limit of 264 pounds (120 kg).
- Avoid riding in wet conditions, heavy rain, or on slippery surfaces.
- Maintain a safe distance from pedestrians, vehicles, and other obstacles.
- Ensure proper tire pressure before each ride.
- Regularly inspect the scooter for any signs of damage or wear.



Figure 1.1: Always wear a helmet and ride responsibly.

## 2. PRODUCT OVERVIEW

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The ECOROAD EC9 Electric Scooter is designed for adult commuting, offering a blend of power, range, and comfort. It features a robust 500W brushless hub motor, a high-capacity battery, and a dual braking system for enhanced safety.

### Key Features:

- **Powerful Motor:** 500W brushless hub motor for speeds up to 21 MPH and 15% incline climbing.
- **Long Range Battery:** UL2272-Certified 36V 13Ah battery providing up to 30-32 miles on a single charge.
- **Comfortable Ride:** Equipped with 10-inch pneumatic tires and front and rear shock absorbers for smooth travel over various terrains.
- **Dual Braking System:** EABS (Electronic Anti-lock Braking System) and disc brake for reliable stopping power.
- **Smart Control:** APP connectivity for real-time monitoring of power, speed, and other stats, along with 3-speed gears and cruise control.

- **Enhanced Visibility:** Bright LED headlights, taillights, and turn signals for safe riding day and night.
- **Foldable Design:** Lightweight and foldable for easy portability and storage.



Figure 2.1: ECOROAD EC9 Electric Scooter with app control.

# EC9 Parameters



**25-30**  
Miles Range



**21MPH**  
Top Speed



**500W**  
Peak Motor



**264LBS**  
Max Load



Figure 2.2: EC9 Key Performance Parameters.

## 3. SETUP

### 3.1 Unboxing and Initial Inspection

Carefully remove all components from the packaging. Check for any visible damage during transit. Ensure all included components are present: EC9 Electric Scooter, Charger, Power Cord, Hexagonal wrench, Spare screw set, and Instruction manual.

### 3.2 Unfolding the Scooter

1. Place the scooter on a flat surface.
2. Locate the folding mechanism near the base of the handlebar stem.
3. Release the latch or lever to unlock the stem.
4. Carefully lift the handlebar stem until it clicks into place, indicating it is fully upright and locked. Ensure the locking mechanism is securely engaged.



Figure 3.1: Unfolding the ECOROAD EC9 Electric Scooter.

### 3.3 Charging the Battery

Before first use, fully charge the scooter's battery. The charging time is approximately 6 hours.

- Locate the charging port on the scooter.
- Connect the charger to the charging port, then plug the power cord into a standard electrical outlet.
- The indicator light on the charger will change (e.g., from red to green) when charging is complete.
- Always use the original charger provided with the scooter.



Figure 3.2: Battery and Charging Information.

## 4. OPERATING INSTRUCTIONS

### 4.1 Powering On/Off

- To power on: Press and hold the power button on the display for a few seconds until the screen illuminates.
- To power off: Press and hold the power button for a few seconds until the display turns off.

### 4.2 Riding Modes and Speed Control

The EC9 offers multiple speed modes to suit different riding conditions and preferences.

- **Eco Mode:** Lower speed for extended range (e.g., 9 MPH).

- **Race Mode:** Medium speed for balanced performance (e.g., 15 MPH).
- **Sport Mode:** Maximum speed and power (e.g., 21 MPH).
- To switch modes: Briefly press the power button while the scooter is on.
- To accelerate: Gently press the thumb throttle.
- To activate cruise control: Maintain a consistent speed for 6 seconds. The scooter will beep to confirm activation. To deactivate, press the brake or throttle.



Figure 4.1: EC9 Riding Modes.

### 4.3 Braking

The EC9 is equipped with a dual braking system for effective stopping.

- To brake: Squeeze the brake levers on the handlebars. Apply both brakes simultaneously for optimal stopping power.
- The EABS system provides smooth electronic braking, while the disc brake offers mechanical stopping.



Figure 4.2: Safety Dual Braking System.

### 4.4 Lights and Turn Signals

Ensure visibility, especially during low-light conditions.

- **Headlight:** Press the light button to turn the front LED headlight on or off.
- **Taillight:** The taillight illuminates automatically when the headlight is on and brightens when braking.
- **Turn Signals:** Use the dedicated buttons on the handlebar to activate left or right turn signals.

# Safe Light System

Guarding travel at night



Turn Signals

Figure 4.3: Safe Light System with Turn Signals.

## 4.5 App Control

Download the ECOROAD app to unlock additional features and monitor your scooter.

- Download the app: Search for "ECOROAD" in your smartphone's app store.
- Pairing: Follow the in-app instructions to pair your scooter via Bluetooth.
- Features: The app allows for real-time monitoring of battery level, speed, total mileage, digital locking, and adjustment of certain settings.

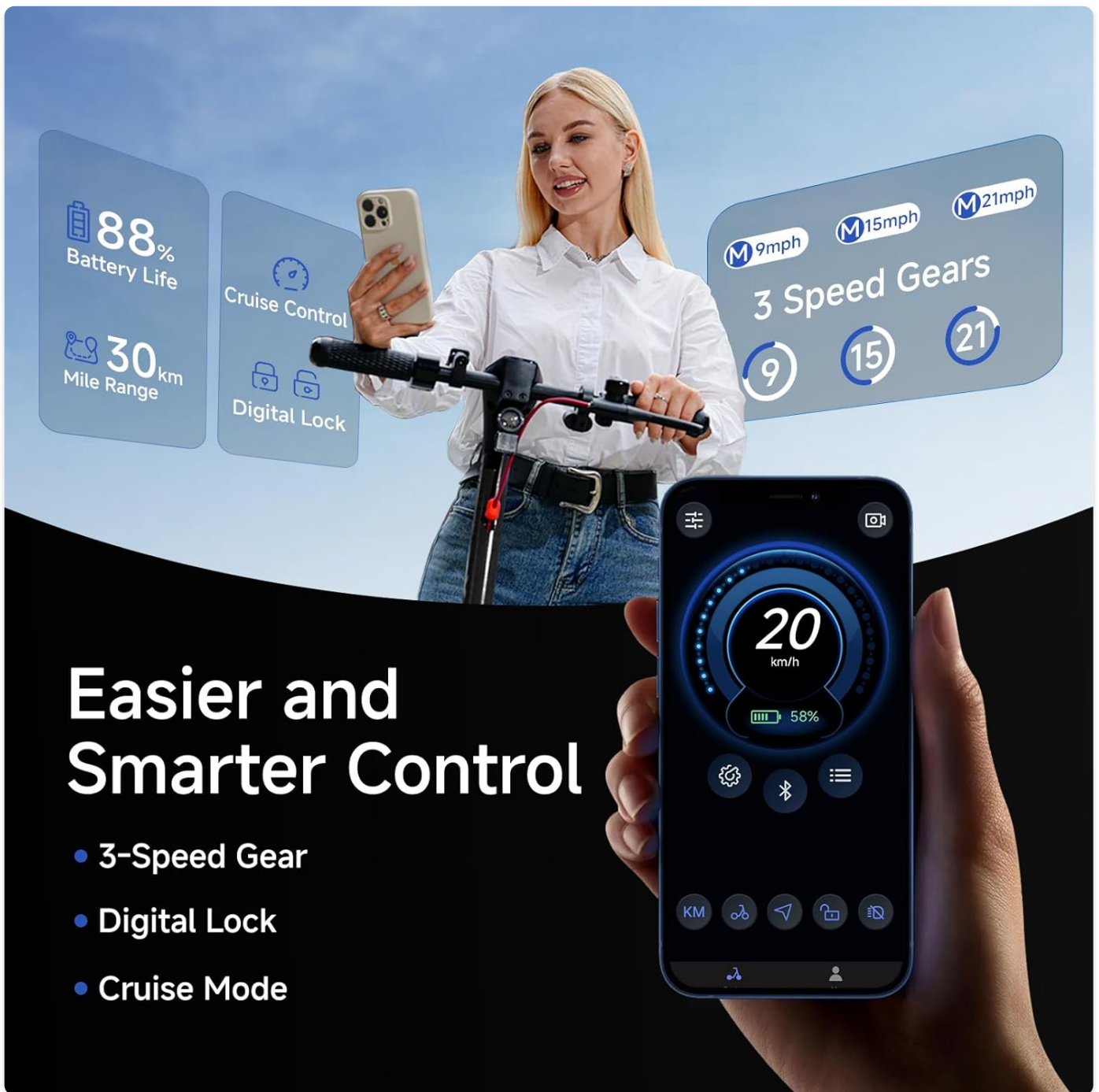


Figure 4.4: Easier and Smarter Control with App.

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Video 4.1: Official ECOROAD EC9 Electric Scooter for Adults with App demonstration. This video showcases the scooter's features, including its folding mechanism, riding experience, and the functionality of the companion app for monitoring and control.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ECOROAD EC9 Electric Scooter.

### 5.1 Cleaning

- Wipe the scooter clean with a damp cloth after each use.
- Do not use high-pressure water jets or corrosive cleaning agents.
- Ensure the charging port cover is securely closed to prevent water ingress.

### 5.2 Tire Care

The 10-inch pneumatic tires provide a comfortable ride but require proper inflation.

- Check tire pressure regularly (e.g., weekly) and inflate to the recommended PSI (refer to the tire sidewall or specifications section).
- Inspect tires for wear, punctures, or damage. Replace if necessary.



Figure 5.1: 10-Inch Pneumatic Tire for comfort and durability.

### 5.3 Battery Care

- Avoid completely draining the battery before recharging.
- Store the scooter in a cool, dry place when not in use, and charge it to about 50-70% if storing for extended periods.
- Charge the battery at least once every 30-60 days to prevent deep discharge.

### 5.4 General Inspection

- Check all screws and bolts for tightness.
- Ensure the folding mechanism operates smoothly and locks securely.

- Test the brakes and lights before each ride.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Scooter does not power on	Low battery; Loose connections; Power button malfunction	Charge the battery fully; Check all cable connections; Contact support if issue persists.
Reduced range or speed	Low tire pressure; Overload; Battery degradation; Riding uphill frequently	Inflate tires to correct pressure; Ensure rider weight is within limits; Charge battery fully; Ride in Eco mode for longer range.
Brakes not effective	Brake cable loose; Worn brake pads; Disc brake misalignment	Adjust brake cable tension; Inspect and replace brake pads; Consult a professional for brake adjustment.
Unusual noises during ride	Loose components; Debris in wheels; Motor issue	Check all fasteners; Inspect wheels for foreign objects; Contact support if motor noise persists.

If you encounter an issue not listed here or if the suggested solutions do not resolve the problem, please contact ECOROAD customer support.

## 7. SPECIFICATIONS

Feature	Detail
Brand	ECOROAD
Model Name	EC9
Color	EC9Blue
Motor Power	500W Brushless Hub Motor
Max Speed	21 MPH (34 km/h)
Battery	36V 13Ah (UL2272-Certified)
Max Range	30-32 Miles (48-51 km)
Charging Time	6 Hours
Weight Limit	264 Pounds (120 kg)
Item Weight	37.4 Pounds (17 kg)
Wheel Size	10 Inches

Feature	Detail
Wheel Type	Pneumatic
Brake Style	Front Braking, Rear Braking (EABS + Disc Brake)
Product Dimensions (LxWxH)	21.3" x 45.7" x 44.5" (54.1 x 116.1 x 113 cm)
Special Features	Cruise Control, Dual Braking System, Foldable, Lightweight, Lockable, App Control
Age Range (Description)	13+
Material	Aluminum

## 8. WARRANTY AND SUPPORT

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ECOROAD provides comprehensive support for your electric scooter.

### 8.1 Warranty Information

The ECOROAD EC9 Electric Scooter comes with a warranty for different parts:

- **6 Months Warranty:** For general components and manufacturing defects.
- **1-year or 180-day warranty:** Specific parts may have varying warranty periods. Please refer to the detailed warranty card included with your product for precise terms and conditions.

### 8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact ECOROAD customer support. Our 24/7 US-based customer support team is ready to assist you.

Please have your model number (EC9) and purchase information ready when contacting support to ensure efficient service.