

ECOROAD ES4

ECOROAD ES4 Electric Scooter User Manual

Model: ES4

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your ECOROAD ES4 Electric Scooter. Please read this manual thoroughly before using the scooter and retain it for future reference.



Figure 1: ECOROAD ES4 Electric Scooter with included accessories.

2. SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate protective gear when riding. Adhere to all local traffic laws and regulations. Avoid riding in adverse weather conditions or on slippery surfaces. Ensure the scooter is in good working order before each use.

- Always wear a helmet and protective gear.
- Observe local traffic laws and regulations.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in heavy rain, snow, or on icy roads.
- Perform a pre-ride check of brakes, tires, and lights.

3. PACKAGE CONTENTS

Verify that all items are present upon unboxing:

- ECOROAD ES4 Electric Scooter
- Charger (1x)

- User Manual
- Assembly Tool Kit

4. SETUP & ASSEMBLY

The ECOROAD ES4 Electric Scooter comes mostly pre-assembled. Follow these steps to complete the setup:

4.1. Unboxing and Initial Inspection

Carefully remove the scooter and all accessories from the packaging. Inspect for any signs of damage during transit.

4.2. Unfolding the Scooter

Lift the handlebar stem until it locks into the upright position. Ensure the folding mechanism is securely latched. Attach the handlebars by screwing them into place.

4.3. Installing the Rear Mudguard

Attach the rear mudguard using the provided screws and tool. Ensure it is firmly secured over the rear wheel.

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Video 1: Detailed installation guide for the ECOROAD ES4 Electric Scooter, demonstrating unfolding and mudguard attachment.

5. OPERATION

5.1. Powering On/Off

Press and hold the power button on the display to turn the scooter on or off. The display will illuminate, showing battery level, speed mode, and other ride data.

5.2. Speed Modes

The ES4 offers 4 speed modes, allowing you to adjust acceleration and top speed according to your preference and environment. Use the mode button on the handlebar control panel to cycle through the modes.

800W City & Trail Dominator

4-speed electric scooter (6/12/18/25MPH) devours urban hills



Figure 2: The 800W motor provides strong acceleration and supports 4 speed modes for varied riding experiences.

5.3. Display Overview

The central display provides real-time information including current speed, battery level, trip distance, total mileage, and selected speed mode. It also indicates headlight status.

Details reveal safety



Figure 3: The clear digital display provides essential ride information, complemented by integrated lighting.

5.4. App Connection

Download the ECOROAD companion app to enhance your riding experience. The app allows you to:

- Lock/unlock the scooter.
- Track your trips and mileage.
- Monitor battery life.
- Adjust speed limits and driving modes.

5.5. Lights

The ES4 is equipped with comprehensive lighting for visibility and safety:

- **Headlight:** Bright LED headlight for illuminating the path ahead.
- **Tail Light:** Integrated rear LED light for visibility from behind. Functions as a brake light when activated.
- **RGB Deck Lights:** Customizable RGB lights along the deck enhance side visibility and add a distinctive look.

5.6. Braking System

The scooter features a reliable triple braking system for effective stopping power:

- **Drum Brakes:** Located on both front and rear wheels for mechanical stopping.
- **E-ABS:** Electronic Anti-lock Braking System provides additional control and prevents wheel lock-up during hard braking.



Figure 4: The high-performance drum brake system ensures reliable stopping power.

5.7. Riding the Scooter

Place one foot on the deck and push off with the other foot to gain initial momentum. Once moving, gently press the thumb throttle to accelerate. To slow down, release the throttle and apply the brake levers. The 8.5-inch pneumatic off-road tires and effective suspension system provide a smooth ride across various terrains, including city streets and park paths. The scooter can handle inclines up to 20 degrees.

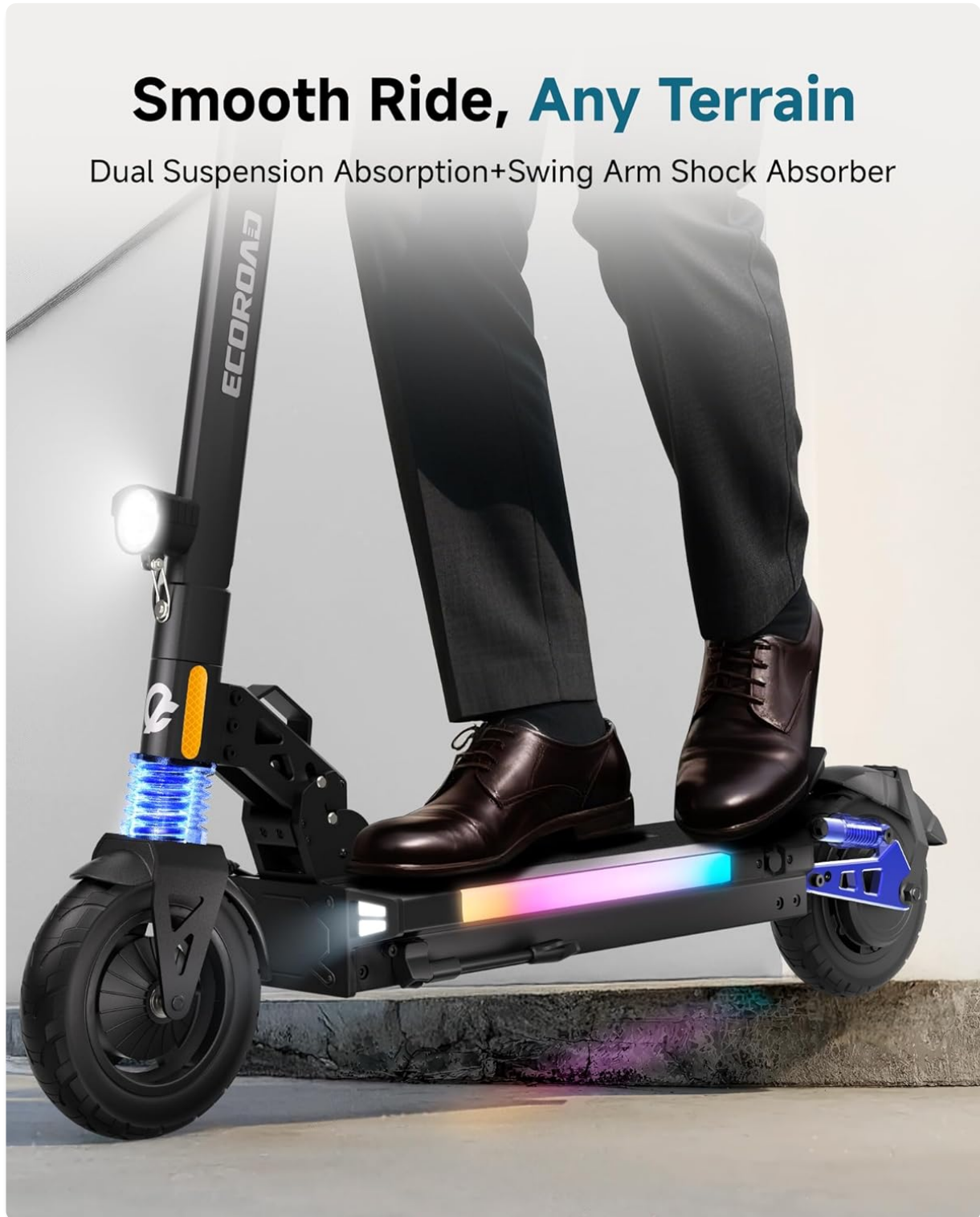


Figure 5: Dual suspension and pneumatic tires ensure a smooth ride on various terrains.



Figure 6: The ES4 is capable of climbing slopes up to 20 degrees with ease.

6. CHARGING

6.1. Charging Process

To charge the scooter, locate the charging port on the side of the deck. Open the protective cover and connect the charger. The charger indicator light will typically show red when charging and turn green when fully charged. A full charge takes approximately 4 hours.



Figure 7: The 48V 10.4Ah battery provides an extended range of up to 25 miles.

6.2. Battery Indicators

The display shows the current battery level. It is recommended to charge the scooter after each use or

when the battery level is low to maintain optimal battery health.

7. MAINTENANCE

7.1. General Care

Regularly clean your scooter with a damp cloth. Avoid using harsh chemicals that may damage the finish. Store the scooter in a dry, cool place away from direct sunlight and extreme temperatures.

7.2. Tire Maintenance

Check tire pressure regularly to ensure optimal performance and safety. Maintain the recommended pressure as indicated on the tire sidewall.

7.3. Brake Inspection

Periodically inspect the brake levers and cables for proper function and wear. Adjust or replace components as needed to ensure effective braking.

8. TROUBLESHOOTING

If you encounter any issues with your ECOROAD ES4 Electric Scooter, please refer to the following common troubleshooting tips:

- **Scooter not powering on:** Ensure the battery is charged and the power button is pressed firmly.
- **Reduced range/speed:** Check tire pressure, ensure battery is fully charged, and verify riding mode settings in the app.
- **Brakes not responsive:** Inspect brake cables for tension and wear. Adjust as necessary.
- **App connectivity issues:** Ensure Bluetooth is enabled on your device and the scooter is powered on and within range.

For persistent issues, please contact customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	ECOROAD
Model Name	ES4
Motor Power	800W (Peak 1000W)
Max Speed	25 MPH
Max Range	Up to 25 Miles
Battery	48V 10.4Ah
Charging Time	4 Hours
Weight Limit	330 Pounds

Feature	Specification
Tire Size	8.5 Inches
Tire Type	Pneumatic Off-Road
Suspension	Spring Suspension
Brake Style	Triple Braking System (Drum Brakes, E-ABS)
Frame Material	Aluminum
Product Dimensions	50"L x 22.3"W x 43.5"H
Item Weight	25.4 Pounds
Special Features	Adjustable Handlebar Height, Cruise Control, Digital Display, Dual Braking System, Foldable, RGB Lights, APP Control

10. WARRANTY INFORMATION

The ECOROAD ES4 Electric Scooter comes with a limited manufacturer's warranty. A 180-day warranty is provided for different parts of the scooter. Please refer to the warranty card included in your package for full details and terms.

11. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims, please contact ECOROAD customer support:

- **Email:** support-us@ecoroad.com (Reply within 24 hours)
- **Service Hotline:** +1-877-701-5009