

iENYRID iE-ES1

iENYRID ES1 Electric Scooter User Manual

Model: iE-ES1

1. IMPORTANT SAFETY INFORMATION

Read all instructions carefully before operating the iENYRID ES1 Electric Scooter. Failure to follow safety guidelines may result in serious injury or damage to the scooter.

- Always wear a helmet and appropriate safety gear (knee pads, elbow pads, gloves) when riding.
- Do not ride in wet conditions, heavy rain, or through puddles.
- Ensure all bolts and fasteners are tightened before each ride.
- Adhere to local traffic laws and regulations.
- Do not exceed the maximum load capacity of 265 lbs (120 kg).
- Avoid riding on steep slopes exceeding 25 degrees.
- Keep fingers and hair away from moving parts.
- This scooter is designed for adult use only.

2. PACKAGE CONTENTS

Verify that all components are present upon unboxing:

- iENYRID ES1 Electric Scooter
- Battery Charger
- Tools (for assembly)
- User Manual (this document)

3. PRODUCT OVERVIEW

The iENYRID ES1 is a high-performance electric scooter designed for commuting and off-road use, featuring dual motors and a robust braking system.



Figure 3.1: Overall view of the iENYRID ES1 Electric Scooter, showcasing its robust design and 10-inch pneumatic tires.

SMART LCD DISPLAY

 Cruise Control

 Real Time Speed

 Battery Life

 Mileage

 Speed Mode

 Coded Lock



Figure 3.2: Close-up of the SMART-DO LCD display on the handlebar, showing battery level, speed mode, mileage, and coded lock features. This display is waterproof.

48V/20.8Ah

Large Battery



50-60KM
Long range



Charging
6-8 Hours

Figure 3.3: View of the 48V/20.8Ah large capacity battery compartment located within the scooter's deck, indicating a long range of 50-60 KM and a charging time of 6-8 hours.

Key Features:

- **Dual Motor System:** Equipped with dual 1200W brushless motors (total 2400W peak) for speeds up to 37 mph.
- **Long Range Battery:** 48V 20.8Ah battery provides a range of 31-37 miles.
- **Advanced Braking:** Dual disc braking system (front and rear) for reliable stopping power.
- **Off-Road Tires:** 10-inch pneumatic tires for versatile terrain handling.
- **SMART-DO LCD Display:** Real-time viewing of battery level, speed mode, and riding mileage.
- **Adjustable Speed Gears:** Three speed modes for different riding conditions.
- **Safety Lighting:** Front LED headlights, side lights, and tail lights with flashing warning on braking.
- **Foldable Design:** Convenient folding mechanism for easy storage and transport.

4. SETUP AND ASSEMBLY

The iNYRID ES1 Electric Scooter comes partially assembled. Follow these steps to complete the setup:

1. **Unboxing:** Carefully remove all components from the packaging. Retain original packaging for potential returns or future transport.

2. **Handlebar Installation:**

Lift the stem to its upright position. Secure the folding mechanism. Attach the handlebar to the stem, ensuring all cables are properly connected and not pinched. Tighten the handlebar screws firmly using the provided tools.



Figure 4.1: Illustration of the scooter's fast folding mechanism, showing the steps to fold and unfold the stem for portability.

3. **Initial Charge:**

Before first use, fully charge the scooter's battery. Connect the charger to the charging port on the scooter and then to a power outlet. The charging indicator on the charger will change color (e.g., red to green) when fully charged. Charging typically takes 6-8 hours.

4. **Tire Pressure Check:**

Ensure the pneumatic tires are inflated to the recommended pressure. Refer to the tire sidewall for specific pressure ratings. Proper tire pressure is crucial for performance and safety.

5. **Brake Adjustment:**

Test the front and rear disc brakes to ensure they are functioning correctly and provide adequate stopping

power. Adjust brake levers if necessary to achieve comfortable and effective braking.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **To Power On:** Press and hold the power button on the LCD display for a few seconds until the screen illuminates.
- **To Power Off:** Press and hold the power button again until the display turns off.

5.2 Riding the Scooter

1. **Kick Start:** Place one foot on the deck and use the other foot to push off the ground to gain initial momentum.
2. **Engage Throttle:** Once moving, gently press the thumb throttle to engage the motor. Increase pressure for more speed.
3. **Speed Modes:** Use the mode button on the display to cycle through the three available speed gears (e.g., 15 mph, 28 mph, 37 mph). Select a speed appropriate for your environment and skill level.



Figure 5.1: Visual representation of the three adjustable speed modes: 25 km/h (15 mph), 45 km/h (28 mph), and 60 km/h (37 mph).

mph).

4. **Braking:** Gently squeeze the brake levers on the handlebars to slow down or stop. The tail lights will flash during braking.
5. **Turning:** Lean into turns and steer with the handlebars. Reduce speed before turning.

5.3 LCD Display Functions

The SMART-DO LCD display provides essential riding information:

- **Battery Level:** Indicates remaining battery charge.
- **Current Speed:** Displays real-time riding speed.
- **Speed Mode:** Shows the currently selected speed gear.
- **Mileage:** Tracks total distance traveled.
- **Cruise Control:** Can be activated for consistent speed on long rides (refer to display settings for activation).
- **Coded Lock:** Provides security against unauthorized use.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your iENYRID ES1 Electric Scooter.

- **Cleaning:** Wipe down the scooter with a damp cloth after each ride. Do not use high-pressure water jets or immerse the scooter in water.
- **Tire Care:** Regularly check tire pressure and inflate as needed. Inspect tires for wear, punctures, or damage.
- **Brake System:** Periodically check brake pads for wear and ensure brake levers operate smoothly. Adjust or replace components as necessary.
- **Battery Care:**
 - Charge the battery fully before long-term storage.
 - Store the scooter in a cool, dry place away from direct sunlight and extreme temperatures.
 - Avoid completely draining the battery before recharging.
- **Fasteners:** Regularly inspect and tighten all screws, bolts, and quick-release mechanisms, especially on the folding joint and handlebars.
- **Lubrication:** Apply a small amount of lubricant to moving parts like the folding mechanism pivot points if they become stiff.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scooter does not power on.	Battery is low or depleted; Power button not pressed correctly; Loose battery connection.	Charge the battery fully; Press and hold the power button firmly; Check battery connections.
Motor not engaging or weak power.	Low battery; Throttle malfunction; Motor connection issue; Overload.	Charge battery; Check throttle cable; Inspect motor connections; Reduce load (rider weight).

Problem	Possible Cause	Solution
Brakes are not effective.	Worn brake pads; Loose brake cable; Disc rotor damage.	Inspect and replace brake pads; Adjust brake cable tension; Check disc rotor for damage.
Unusual noises during operation.	Loose components; Bearing wear; Debris in wheels/brakes.	Inspect and tighten all fasteners; Check wheel bearings; Clean wheels and brake calipers.
Reduced range.	Under-inflated tires; Cold weather; Frequent uphill riding; Heavy rider weight; Aging battery.	Ensure proper tire pressure; Battery performance decreases in cold; Adjust riding style; Battery degradation is normal over time.

If the problem persists after attempting these solutions, please contact iENYRID customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	iE-ES1
Motor Power	Dual 1200W Brushless (2400W Peak)
Max Speed	28-37 MPH (45-60 km/h)
Battery	48V 20.8Ah
Max Range	31-37 miles (50-60 km)
Charging Time	6-8 hours
Tire Type	10-inch Off-Road Pneumatic Tires
Brake System	Front and Rear Disc Brake
Max Load	265 lbs (120 kg)
Net Weight	66.14 lbs (30 kg)
Frame Material	Aluminum Alloy
Product Dimensions (Unfolded)	45.7" L x 23.6" W x 46" H
Product Dimensions (Folded)	50.39" L x 9.45" W x 18.9" H (Package Size)
Recommended Age Range	Adult
Certifications	UL 2272 Certified/FCC

Note: Range and speed may vary based on rider weight, terrain, temperature, and riding style.

9. WARRANTY INFORMATION

iENYRID provides a warranty for the ES1 Electric Scooter:

- **Main Components:** 12-month warranty.
- **Specific Parts:** 6-month warranty for certain components.
- The warranty covers manufacturing defects and does not cover physical damage or misuse.
- Please retain your purchase receipt as proof of purchase for warranty claims.
- For detailed warranty policy, refer to the documentation included with your product or contact customer support.

10. CUSTOMER SUPPORT

For technical assistance, warranty claims, or general inquiries, please contact iENYRID customer support:

- **Online Support:** Visit the official iENYRID store on Amazon: [iENYRID Amazon Store](#)
- **Email:** Refer to your product packaging or included documentation for direct email support.
- **Returns:** If you are not satisfied with the product, please keep the original packaging for return purposes. Returned products require complete packaging.

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Documents - iENYRID – iE-ES1



[\[pdf\]](#) User Manual Instructions

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USER MANUAL PLEASE READ THE INSTRUCTIONS CAREFULLY BEFORE RIDING Scan QR Code Or Enter URL for Only ... isplay 16: Fault code display 17: Accelerator 18: Front brake lever 2 Product Parameters Model iE-ES1 Tire Size 10 inch Battery 48V/20.8Ah Tyre Type Air tires Power 1200*2 Charging time ...

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