

SMARTGYRO SG27-296

SMARTGYRO K2 Terra Electric Scooter User Manual

Model: SG27-296

INTRODUCTION

Thank you for choosing the SMARTGYRO K2 Terra Electric Scooter. This manual provides essential information for the safe assembly, operation, and maintenance of your scooter. Please read it thoroughly before your first ride to ensure optimal performance and safety.

SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate protective gear when riding. Adhere to local traffic laws and regulations. Avoid riding in adverse weather conditions or on slippery surfaces.

- Always wear a certified helmet and protective gear (knee pads, elbow pads).
- Do not ride under the influence of alcohol or drugs.
- Observe all local traffic laws and regulations.
- Maintain a safe speed and distance from other vehicles and pedestrians.
- Avoid sudden turns or maneuvers.
- Do not carry passengers.
- Maximum load capacity: 120 kg.
- Ensure all components are securely fastened before each ride.

PRODUCT FEATURES

The SMARTGYRO K2 Terra is designed for urban mobility with advanced features:

- **Powerful Motor:** 500W 48V Brushless motor, capable of climbing steep inclines.
- **Long-lasting Battery:** 13,000 mAh Lithium battery, offering up to 50 km range.
- **Advanced Suspension:** Double front and double rear suspension for a smooth ride.
- **Triple Braking System:** Front drum brake, rear disc brake, and regenerative braking. Regenerative braking converts kinetic energy into electrical energy to recharge the battery.

- **Durable Wheels:** 10-inch tubeless pneumatic wheels for stability on various terrains.
- **Integrated Lighting:** High-brightness front headlight, front turn signals (integrated into handlebars), rear turn signals, and rear brake light.
- **Multifunction Display:** Front display showing partial and total odometer, speed, and speed indicator.
- **Smartphone App:** Mobile application with anti-theft system (remote lock), real-time information display, settings adjustment, mileage tracking, and battery status.
- **Foldable Design:** Lightweight and foldable structure for easy transport and storage.
- **Water Resistance:** IPX4 rating.



Image: Overview of the SMARTGYRO K2 Terra Electric Scooter highlighting its main features like motor power, battery range, suspension, braking, wheels, and app connectivity.

X4 *Cuádruple amortiguación*



*Doble suspensión
delantera*



*Doble suspensión
trasera*



Image: Detailed view illustrating the scooter's quadruple suspension system, with double suspension at both the front and rear wheels.



Image: Illustration of the scooter's powerful LED lighting system, including the front headlight, rear brake light, and integrated turn signals on the handlebars and rear.

SETUP

1. Unboxing and Assembly

Carefully remove all components from the packaging. The scooter comes partially assembled. You will need to attach the handlebars and ensure all connections are secure.

1. Lift the steering column until it locks into place.
2. Attach the handlebars to the steering column, ensuring all cables are properly connected and not pinched.
3. Tighten all screws and bolts using the provided tools.
4. Check tire pressure. The recommended pressure is typically indicated on the tire sidewall.



500W Motor 48V:
Hasta 800W potencia máxima



Autonomía:
13.000 mAh hasta 50 km



Cuádruple suspensión:
Horquilla y Ultraboost



Triple frenada: tambor delantero,
disco trasero y regenerativa



Ruedas:
Neumáticas 10" tubeless urbanas



App con sistema de bloqueo
Sistema de iluminación total

Image: Side view of the assembled SMARTGYRO K2 Terra Electric Scooter, showing its overall structure and components.

2. Initial Charging

Before first use, fully charge the scooter's battery. This typically takes 6 to 7 hours.

- Locate the charging port, usually on the side of the deck.
- Connect the charger to the scooter, then plug it into a power outlet.
- The indicator light on the charger will change (e.g., from red to green) when charging is complete.
- Do not overcharge the battery.



Image: A visual representation of the scooter's battery, indicating its 13 Ah capacity and the concept of regenerative braking.

OPERATING INSTRUCTIONS

1. Power On/Off

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

2. Riding Modes

The scooter offers three riding modes: Eco, Comfort, and Sport. These can be selected via the display or the mobile app.

- **Eco Mode:** Energy-saving mode for extended range.
- **Comfort Mode:** Balanced performance for daily commuting.
- **Sport Mode:** Maximum power and speed for dynamic riding.

3. Display Functions

The handlebar display shows important information:

- Current Speed
- Battery Level
- Riding Mode
- Odometer (partial and total)



Image: Detailed view of the scooter's multifunction display on the handlebars, showing speed, battery, and odometer readings.

4. Using the Smartphone App

Download the official SMARTGYRO app from your device's app store. The app allows for enhanced control and monitoring.

- **Pairing:** Follow the in-app instructions to pair your scooter via Bluetooth.
- **Remote Lock:** Secure your scooter remotely.
- **Information Display:** View real-time speed, battery status, and trip data.
- **Settings:** Adjust riding modes and other parameters.



Image: A smartphone displaying the SMARTGYRO app interface, showing remote locking, odometer, speed, and various scooter settings.

5. Braking

The scooter features a triple braking system for effective stopping power.

- Apply both brake levers gently and evenly for controlled stopping.
- Avoid sudden or harsh braking, especially at high speeds, to prevent loss of control.

MAINTENANCE

1. Battery Care

- Charge the battery regularly, even if the scooter is not in use for extended periods (at least once a month).
- Store the scooter in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not expose the battery to water or moisture.

2. Tire Maintenance

- Regularly check tire pressure and inflate to the recommended PSI.
- Inspect tires for wear, punctures, or damage before each ride.

3. Cleaning

- Wipe the scooter with a damp cloth. Do not use high-pressure water jets or immerse the scooter in water.
- Avoid using abrasive cleaners that could damage the finish.

4. Brake Adjustment

Periodically check the brake levers and cables for proper tension and responsiveness. Adjust as needed or consult a professional.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scooter does not turn on	Low battery; Loose connections; Faulty power button	Charge the battery; Check all cable connections; Contact support if issue persists.
Reduced range/power	Underinflated tires; Battery degradation; Riding in Sport mode constantly	Check and inflate tires; Ensure proper charging habits; Use Eco or Comfort mode for longer range.
Brakes feel weak	Brake pads worn; Cable tension too low; Disc brake misalignment	Inspect brake pads and replace if necessary; Adjust brake cable tension; Consult a professional for disc brake adjustment.
App connection issues	Bluetooth off; App not updated; Scooter not discoverable	Ensure Bluetooth is enabled on your phone; Update the app to the latest version; Restart scooter and phone.

SPECIFICATIONS

Feature	Detail
Model Number	SG27-296
Motor Power	500W 48V Brushless (up to 800W peak)
Battery Capacity	13,000 mAh (13 Ah) Lithium-ion
Max Range	Up to 50 km (depending on riding conditions)
Charging Time	6-7 hours
Max Speed	25 km/h (governed)
Wheels	10-inch pneumatic tubeless
Braking System	Front drum, rear disc, regenerative
Suspension	Double front and double rear

Feature	Detail
Frame Material	Aluminum
Dimensions (Unfolded)	118 x 124 x 62.5 cm (L x H x W)
Weight	19 kg
Max Load Capacity	120 kg
Water Resistance	IPX4



Image: Visual summary of key specifications including autonomy, power, battery voltage, and charging time.

WARRANTY AND SUPPORT

SMARTGYRO offers a comprehensive warranty for its products. Please refer to the official SMARTGYRO website or your

purchase documentation for detailed warranty terms and conditions.

- **Warranty:** Typically covers manufacturing defects for a specified period. Battery warranty may differ.
- **Support:** For technical assistance, spare parts, or service, please visit the official SMARTGYRO website or contact their customer service.
- **Service Centers:** SMARTGYRO maintains a network of authorized service centers. Check their website for locations.

For further assistance, you can visit the [SMARTGYRO Brand Store on Amazon](#).

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question