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SMARTGYRO SG27-186

smartGyro Speedway Pro Electric Scooter User Manual

Model: SG27-186

1. IMPORTANT SAFETY INFORMATION

Before operating your smartGyro Speedway Pro electric scooter, please read and understand all safety instructions. Failure to follow these instructions may result in serious injury or damage to the scooter.

- **Wear Protective Gear:** Always wear a helmet, knee pads, and elbow pads when riding.
- **Observe Local Regulations:** Adhere to all local traffic laws and regulations regarding electric scooter use.
- **Weather Conditions:** Do not ride in rain, snow, ice, or other adverse weather conditions. Wet surfaces can reduce traction and braking effectiveness.
- **Weight Limit:** Do not exceed the maximum weight capacity of 120 kg (264 lbs).
- **Age Restriction:** This scooter is intended for adult use.
- **Avoid Impairment:** Never operate the scooter under the influence of alcohol or drugs.
- **Pre-Ride Check:** Before each ride, ensure the brakes are functioning correctly, tires are properly inflated, and all fasteners are tight.
- **Safe Riding:** Maintain a safe speed, keep both hands on the handlebars, and be aware of your surroundings.

2. PRODUCT OVERVIEW

The smartGyro Speedway Pro is a powerful and versatile electric scooter designed for urban mobility. It features a robust brushless motor, long-range battery, and advanced suspension for a comfortable ride.



Image 2.1: Overall view of the smartGyro Speedway Pro electric scooter.

Key Features:

- Powerful 48V 800W (1000W max) Brushless Motor for excellent climbing ability.
- High-capacity 15,000 mAh Lithium-ion Battery providing up to 60 km of range.
- 10-inch Tubeless Dual Grip Pneumatic Tires for durability and stability on various terrains.
- Triple Braking System: Front disc, rear disc, and regenerative braking for enhanced safety.
- Advanced Lighting: High-brightness front headlight, base LEDs, handlebar-selectable turn signals, and rear brake light.
- Dual Front and Rear Suspension with double shock absorbers for a smooth ride over bumps.
- Integrated Handlebar Display showing battery information, distance, odometer, and speed selection.
- Four Riding Modes: Walk, Eco, Comfort, and Sport.

3. PACKAGE CONTENTS

Your smartGyro Speedway Pro package should include the following items:

- 1x smartGyro Speedway Pro Electric Scooter
- 1x Charger
- 1x User Manual

4. ASSEMBLY AND SETUP

4.1 Unfolding the Scooter

1. Place the scooter on a flat surface.
2. Locate the folding mechanism at the base of the steering column.
3. Release the locking lever and carefully lift the steering column until it clicks into the upright position.
4. Secure the safety latch to ensure the column is firmly locked.



Image 4.1: The smartGyro Speedway Pro in its folded state.

4.2 Initial Charging

Before your first ride, fully charge the scooter's battery. Refer to Section 5 for detailed charging instructions.

5. CHARGING THE BATTERY

To ensure optimal battery life and performance, follow these charging guidelines:

1. Ensure the scooter is turned off before charging.
2. Locate the charging port, usually covered by a rubber flap, on the scooter's deck.
3. Connect the charger to the charging port, then plug the charger into a standard wall outlet.
4. The charger's indicator light will typically show red during charging and turn green when fully charged.
5. Charging time may vary, but a full charge can take several hours. Do not overcharge.
6. Once charging is complete, disconnect the charger from the scooter and the wall outlet, then securely close the charging port flap.



Image 5.1: Handlebar display and charging port area of the smartGyro Speedway Pro.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

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

6.2 Handlebar Display

The integrated display provides essential information:

- **Speed:** Current riding speed.
- **Battery Level:** Indicates remaining battery charge.
- **Driving Mode:** Shows the currently selected riding mode.
- **Distance/Odometer:** Displays trip distance or total odometer reading.

6.3 Riding Modes

The smartGyro Speedway Pro offers four selectable riding modes:

- **Walk Mode:** Low speed for walking alongside the scooter.
- **Eco Mode:** Energy-efficient mode for extended range at moderate speeds.
- **Comfort Mode:** Balanced performance for daily commuting.
- **Sport Mode:** Maximum power and speed for dynamic riding.

Use the mode selection button on the handlebar to cycle through these modes.

6.4 Acceleration and Braking

- **Acceleration:** Use the thumb throttle to control your speed.
- **Braking:** The scooter is equipped with a triple braking system: front disc brake, rear disc brake, and regenerative braking. Apply the brake levers gently and evenly to slow down or stop.

6.5 Lighting System

The scooter features comprehensive lighting for visibility and safety:

- **Front Headlight:** High-brightness LED for illuminating your path.
- **Base LEDs:** Ambient lighting on the scooter deck.
- **Turn Signals:** Selectable from the handlebar to indicate turns.
- **Rear Brake Light:** Illuminates when brakes are applied.





Image 6.1: Front view of the smartGyro Speedway Pro, highlighting the headlight.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your scooter.

- **Cleaning:** Wipe the scooter with a damp cloth. Do not use high-pressure water or immerse the scooter in water.
- **Tire Pressure:** Regularly check and maintain the recommended tire pressure for the 10-inch pneumatic tires. Refer to the tire sidewall for specific pressure recommendations.
- **Battery Care:** Charge the battery regularly, even if not in use, to prevent deep discharge. Store the scooter in a cool, dry place.
- **Brake Inspection:** Periodically inspect brake pads and cables for wear and proper adjustment.
- **Fasteners:** Check all screws and bolts for tightness before each ride.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your smartGyro Speedway Pro.

- **Scooter Does Not Turn On:**
 - Check if the battery is charged. Connect the charger and ensure it's receiving power.
 - Press and hold the power button firmly for a few seconds.
- **Reduced Range:**
 - Battery performance can decrease over time or in cold weather.
 - Aggressive riding, heavy loads, and uphill terrain can significantly reduce range.
 - Ensure tires are properly inflated.
- **Brakes Not Effective:**
 - Inspect brake pads for wear and replace if necessary.
 - Check brake cable tension and adjust if too loose.
 - Ensure disc brakes are clean and free of oil or grease.
- **Unusual Noises:**
 - Check for loose components or fasteners.
 - Inspect wheels and bearings for any obstructions or damage.
- **Display Not Working:**
 - Ensure the scooter is powered on and the battery has sufficient charge.
 - If the issue persists, contact customer support.

9. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Name	Smartgyro Speedway Pro
Item Model Number	SG27-186
Motor Power	800W Nominal, 1000W Max (48V Brushless)
Battery Capacity	15,000 mAh (15Ah) Lithium-ion
Max Range	Up to 60 km
Wheel Size	10 Inches
Wheel Material	Synthetic Rubber
Braking System	Triple braking: Front disc, Rear disc, Regenerative
Suspension	Dual Front and Rear Shock Absorbers
Max Load Capacity	120 Kilograms
Product Dimensions (Unfolded)	108L x 60W x 130H cm
Product Dimensions (Folded)	118L x 60W x 36H cm
Product Weight	25 Kilograms
Frame Material	Aluminum and Steel
Special Feature	Foldable



Image 9.1: Dimensions of the smartGyro Speedway Pro electric scooter.

10. WARRANTY AND SUPPORT

smartGyro is committed to providing quality products and support.

- **Warranty:** The smartGyro Speedway Pro comes with a warranty that includes up to 5 years on motors. Please refer to your purchase documentation for full warranty terms and conditions.
- **Support:** smartGyro maintains an extensive network of workshops across Spain for service and maintenance. For support outside of Spain, please contact your retailer or visit the official smartGyro website for customer service contact information.