

## Gyroor S1

# Gyroor S1 Kids Electric Balance Bike Instruction Manual

Model: S1

## INTRODUCTION

Thank you for choosing the Gyroor S1 Kids Electric Balance Bike. This manual provides essential information for the safe assembly, operation, and maintenance of your electric balance bike. Please read it thoroughly before use and retain it for future reference. This bike is designed for children aged 3-6 years, featuring a 200W motor, three adjustable speed settings, 12-inch pneumatic tires, and a drum brake system.



*Image: A child demonstrates riding the Gyroor S1 Electric Balance Bike. This bike features a 200W motor, 56.16Wh battery, and an LED display.*

## SAFETY INFORMATION

**WARNING: CHOKING HAZARD** — Small parts. Not for children under 3 years. **ADULT SUPERVISION IS REQUIRED AT ALL TIMES.** Protective equipment, including a helmet, knee pads, and elbow pads, must be worn during operation. This electric balance bike is not intended for use in traffic or on public roads.

- Always ensure the rider wears appropriate safety gear.
- Operate the bike in safe, open areas away from vehicles and pedestrians.
- Regularly inspect the bike for any damage or loose parts before each ride.

- Do not exceed the maximum weight capacity.
- Keep hands and feet away from moving parts.
- The battery is UL2272 certified, ensuring compliance with safety standards.

## WHAT'S IN THE BOX

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Upon unpacking, please verify that all components are present:

- Bike Body (main frame with rear wheel and motor)
- Front Wheel
- Handlebar Assembly
- Seat
- Charger
- Instruction Manual
- Necessary Tools for Assembly

## SETUP AND ASSEMBLY

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The Gyroor S1 Electric Balance Bike requires some assembly, specifically for the front wheel, handlebar, and seat. All necessary tools are included. For a detailed visual guide, please refer to the official installation video below.

*Video: Official Gyroor S1 installation tutorial. This video demonstrates the step-by-step process for assembling the electric balance bike, including attaching the front wheel, handlebar, and seat.*

### Key Assembly Steps:

1. **Front Wheel Installation:** Securely attach the front wheel to the fork using the provided hardware. Ensure all bolts are tightened.
2. **Handlebar Attachment:** Mount the handlebar onto the stem and adjust its position for comfortable riding. Tighten the handlebar clamps firmly.
3. **Seat Installation:** Insert the seat post into the frame and adjust the seat height to suit the rider. Ensure the quick-release lever or bolts are securely fastened.
4. **Initial Charge:** Before the first ride, fully charge the battery using the provided charger. The battery indicator on the display will show charging status.

## OPERATING INSTRUCTIONS

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Familiarize yourself with the controls before riding.

# LED Display & Brake Lever

3-Speed Gears: 6/8/10 MPH



*Image: The LED display on the handlebar shows current speed, battery level, and headlight status. The brake lever is also visible.*

- **Power On/Off:** Press and hold the power button on the LED display to turn the bike on or off.
- **Speed Modes:** The bike features 3 speed settings: 6 MPH (Economy), 8 MPH (Drive), and 10 MPH (Sport). Cycle through these modes using the speed selection button on the display. Start with the lowest speed for beginners.
- **Acceleration:** Use the thumb throttle to control speed. Apply gentle pressure for smooth acceleration.
- **Braking:** The bike is equipped with a reliable drum brake. Squeeze the brake lever on the handlebar to slow down or stop.
- **LED Taillight:** The rear fender features a 7-color LED taillight for enhanced visibility, especially during dusk or evening rides. This light activates automatically or can be controlled via the display.
- **Battery Indicator:** The LED display shows the current battery level. Ensure the battery is sufficiently charged before each ride.

## MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Gyroor S1 Electric Balance Bike.

- **Cleaning:** Wipe the bike with a damp cloth after each use. Avoid using high-pressure water jets directly on electrical components.

- **Tire Pressure:** Check the pressure of the 12-inch pneumatic tires regularly. Maintain recommended pressure for optimal performance and safety.
- **Brake Inspection:** Periodically check the drum brake for proper function and wear. Adjust or replace brake components as needed.
- **Fasteners:** Ensure all bolts and fasteners are tight. Loose components can affect stability and safety.
- **Battery Care:** Charge the battery fully after each use. If storing for an extended period, charge it to approximately 50-70% and recharge every 2-3 months to prevent deep discharge.
- **Storage:** Store the bike in a cool, dry place away from direct sunlight and extreme temperatures.

## TROUBLESHOOTING

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If you encounter issues with your Gyroor S1, refer to the following common problems and solutions:

Problem/Error Code	Possible Cause	Solution
Bike does not power on	Low battery; loose connection	Charge the battery; check all cable connections.
Bike does not move or loses power (Error codes E3, E6, E99)	Motor/controller issue; sensor malfunction; battery fault	Turn off and restart the bike. If the issue persists, contact customer support. These error codes often indicate internal system faults.
Brake not effective	Brake cable loose; brake pads worn	Adjust the brake cable tension; inspect and replace brake pads if necessary.
Unusual noises during operation	Loose components; foreign object in wheel/motor	Inspect the bike for loose parts and tighten them. Check wheels and motor for obstructions.

For issues not listed or if solutions do not resolve the problem, please contact Gyroor customer support.

## SPECIFICATIONS

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# Size Parameters

Lightweight design, easy to handle



Image: Size parameters of the Gyroor S1 Electric Balance Bike, highlighting its lightweight design.

Feature	Detail
Model	S1
Motor Power	200W
Speed Modes	3 (6 MPH, 8 MPH, 10 MPH)
Tire Size	12 Inches (Pneumatic)
Brake System	Drum Brake
Battery Type	UL2272 Certified, 21.6V 2.6Ah (56.16 Wh)
Charging Time	Approximately 4 hours for a full charge
Special Features	7-Color Rear Fender LED Taillight, LED Real-Time Display
Frame Material	Alloy Steel
Product Weight	24.25 lbs
Recommended Age	3-6 years

Feature	Detail
Minimum User Height	1.5 Feet

## WARRANTY AND SUPPORT

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### Manufacturer Warranty:

- **Battery:** 6 months
- **Other Parts:** 12 months

The warranty covers manufacturing defects. It does not cover damage caused by misuse, accidents, or normal wear and tear.

For warranty claims, technical support, or any questions regarding your Gyroor S1 Electric Balance Bike, please contact Gyroor customer service through your purchase platform or the official Gyroor website.