isinwheel SK12

isinwheel 2-in-1 Electric Balance Bike Instruction Manual

Model: SK12 | Brand: isinwheel

Introduction Safety Information Product Overview Setup Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

Welcome to the instruction manual for the isinwheel 2-in-1 Electric Balance Bike, Model SK12. This innovative electric bike is designed for children aged 2 to 6, offering a versatile and engaging riding experience. It functions as both a traditional balance bike and an electric bike, adapting to your child's developmental stage. Our goal is to provide a safe, fun, and easy-to-use product that encourages outdoor activity and helps children develop balance and coordination. Please read this manual thoroughly before assembly and operation to ensure proper use and safety.

2. Safety Information

WARNING: Always prioritize safety. Adult supervision is required during operation.

- **Age Range:** Suitable for children aged 3 years and older.
- **Maximum Load:** Do not exceed the maximum weight capacity of 110 lbs (50 kg).
- **Protective Gear:** Always ensure the rider wears appropriate safety gear, including a helmet, knee pads, and elbow pads.
- **Speed Control:** The bike has a maximum speed of 7 MPH. Utilize the adjustable speed settings (3.7 MPH / 6.2 MPH) according to the child's skill level and environment.
- **Braking System:** The SK12 is equipped with a reliable electronic braking system. Familiarize your child with its operation.
- **Operating Environment:** Use the bike on flat, dry, and clear surfaces, away from traffic, steep inclines, or hazardous obstacles.
- **Battery Safety:** Handle the swappable battery with care. Do not expose it to extreme temperatures or moisture. Use only the provided charger.
- **UL 2849 Certified:** This product is UL 2849 Certified, ensuring electrical safety standards are met.

3. Product Overview and Features

The isinwheel SK12 Electric Balance Bike combines innovative design with user-friendly features to provide an enjoyable and safe riding experience for young children.



Figure 3.1: isinwheel SK12 Electric Balance Bike (White Model)

3.1 Key Features

- **2-in-1 Design:** This bike offers dual functionality. The battery can be removed, allowing the bike to be used as a traditional balance bike for beginners. Once the child gains confidence, the battery can be reinstalled for electric operation.



Figure 3.2: Child riding the balance bike, highlighting key specifications like max range, speed, brakes, tire size, power, and load.

- **Swappable Battery:** The SK12 features an easily swappable battery, eliminating downtime due to charging. No tools are required for replacement. Each battery provides approximately 1.5 to 2 hours of ride time per charge. The battery is also designed to be compatible with other power tools, enhancing its versatility.



Figure 3.3: Illustration showing the removable battery mechanism.



Figure 3.4: The multifunctional battery is also suitable for some power tools.

- **Adjustable Speed & Seat:** The bike offers an adjustable 2-speed system (3.7 MPH and 6.2 MPH) to match the child's comfort and skill level. The seat height is also adjustable, ranging from 13.4 inches to 16.5 inches, ensuring a comfortable and ergonomic fit as your child grows.
- **Electronic Brakes & Dual Fenders:** For enhanced safety, the SK12 is equipped with a responsive electronic braking system. Front and rear fenders are included to protect the rider from mud and debris, especially during rides on varied terrains or in wet conditions.



Figure 3.5: Detail of the disc brakes and safety bell for increased security.

- **Easy Start-up:** The bike does not require a power button press to start. Simply glide with both feet to gain initial speed, and the electric motor will engage. If the bike remains stationary for two minutes, it will automatically power off to conserve battery. Glide again to reactivate.
- **Portability:** The design includes a seat handle, allowing parents to easily balance the bike or carry it when not in use.



Figure 3.6: The seat handle facilitates easy carrying and parental assistance.

3.2 Included Components

Upon unboxing, please verify that all the following components are present:

- isinwheel SK12 Electric Balance Bike (Main Frame)
- Battery (1 Lithium Ion battery included)
- Charger
- Hex Key
- Wrench
- Front Axle
- Front Wheel
- Rear Fender
- Seat
- Brand Card
- Instruction Manual (this document)

4. Setup and Assembly

The isinwheel SK12 Electric Balance Bike arrives approximately 90% pre-installed. Minimal assembly is required to get your child riding.

1. **Unboxing:** Carefully remove all components from the packaging. Retain packaging for future storage or transport if needed.
2. **Install Front Wheel:**
    - Align the front wheel with the front fork.
    - Insert the front axle through the wheel hub and fork dropouts.
    - Secure the wheel using the provided nuts and wrench. Ensure it is tightly fastened but allows the wheel to spin freely.
3. **Attach Rear Fender:**
    - Locate the mounting points for the rear fender on the bike frame.
    - Attach the rear fender using the appropriate screws and tools (Hex Key/Wrench).
4. **Install and Adjust Seat:**
    - Insert the seat post into the seat tube on the bike frame.
    - Adjust the seat height to a comfortable position for the rider (between 13.4 inches and 16.5 inches). The child's feet should be able to touch the ground flat-footed when seated.
    - Tighten the quick-release lever or bolt to secure the seat in place.
5. **Install Battery:**
    - Ensure the battery is charged before first use.
    - Locate the battery compartment on the bike frame.
    - Slide the battery into the compartment until it clicks securely into place.
6. **Pre-Ride Check:** Before the first ride, double-check all connections, ensure tires are properly inflated, and test the brakes.

5. Operating Instructions

Operating the isinwheel SK12 Electric Balance Bike is intuitive and designed for young riders.

5.1 Starting the Bike

- The bike does not have a traditional "on" button. To activate the motor, the rider must push off the ground with both feet to gain initial speed.
- Once a slight momentum is achieved, the electric motor will engage, providing assistance.
- If the bike is stationary for two minutes, it will automatically power off to save battery. Simply glide again to reactivate.

5.2 Adjusting Speed

- The bike features two adjustable speed settings: 3.7 MPH and 6.2 MPH.
- The speed adjustment button is located discreetly under the bike frame.
- Press the button to toggle between the two speed modes. Choose the lower speed for beginners or confined spaces, and the higher speed for more experienced riders in open areas.

5.3 Braking

- The bike is equipped with an electronic braking system.
- To brake, squeeze the brake lever located on the handlebars.
- Instruct your child to practice braking in a safe, open area before riding at higher speeds or in more challenging environments.

5.4 Battery Charging and Replacement

- **Charging:** Connect the provided charger to the battery and a standard wall outlet. The charging indicator light on the charger will indicate charging status. Do not overcharge the battery.
- **Replacement:** To replace the battery, simply unlatch and slide out the depleted battery from its compartment. Insert a fully charged battery until it clicks into place.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your isinwheel SK12 Electric Balance Bike.

- **Cleaning:** Wipe down the bike with a damp cloth after use to remove dirt and debris. Avoid using harsh chemicals or excessive water, especially near electrical components.
- **Tire Pressure:** Periodically check the tire pressure of the inflatable tires. Maintain the recommended pressure (refer to the tire sidewall for specific PSI) to ensure optimal performance and ride comfort.
- **Brake Inspection:** Regularly inspect the electronic braking system for proper function. Ensure the brake lever operates smoothly and the bike stops effectively. If you notice any issues, contact customer support.
- **Battery Care:**
  - Store the battery in a cool, dry place when not in use.
  - If storing for an extended period, charge the battery to approximately 50% capacity.
  - Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- **General Check:** Before each ride, quickly check for any loose bolts, damaged parts, or unusual noises. Address any issues promptly.

7. Troubleshooting

This section addresses common issues you might encounter with your isinwheel SK12 Electric Balance Bike.

Problem	Possible Cause	Solution
Bike does not start/motor does not engage.	Battery is low or not installed correctly. Insufficient initial glide speed. Bike automatically shut off after 2 minutes of inactivity.	Ensure battery is fully charged and securely inserted. Ensure the rider pushes off with enough momentum to activate the motor. Glide again to reactivate the bike.
Bike is slower than expected.	Bike is in the lower speed mode. Low battery charge. Rider weight exceeds maximum load.	Press the speed adjustment button under the bike to switch to the higher speed mode. Charge the battery. Ensure rider weight is within the 110 lbs limit.

Problem	Possible Cause	Solution
Brakes are not responsive.	Brake lever adjustment needed. Issue with the electronic braking system.	Check if the brake lever is fully depressed. If issues persist, contact isinwheel customer service for assistance.

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

8. Specifications

Detailed technical specifications for the isinwheel SK12 Electric Balance Bike:

Feature	Detail
Bike Type	Balance Bike
Age Range (Recommended)	3-8 years old
Brand	isinwheel
Number of Speeds	2 (Adjustable: 3.7 MPH / 6.2 MPH)
Color	White (as per current model)
Wheel Size	12 Inches
Frame Material	Aluminum
Suspension Type	Rear
Special Feature	Swappable Battery, 2-in-1 Design
Item Weight	18 Pounds (approx. 8.16 kg)
Style	Sk12-150w-2 Speed
Model Name	SK12
Power Source	Battery Powered
Lithium Battery Energy Content	150 Watt Hours
Seat Material Type	PU, PP, or Vinyl
Maximum Weight Recommendation	110 Pounds (approx. 50 kg)
Assembly Required	Yes (Partial)
Skill Level	Beginner
Brake Style	Dual Disc Brake (Electronic)

9. Warranty and Support

isinwheel is committed to providing high-quality products and excellent customer service.

- **Quality Assurance:** isinwheel offers 365 days of quality assurance for the SK12 Electric Balance Bike. This covers manufacturing defects and significant component failures.
- **Battery and Accessories:** In case of any issues with the battery or other accessories, isinwheel provides immediate reissue of parts, eliminating the need for lengthy repair processes.
- **Customer Service:** Dedicated 24/7/365 customer service is available online to assist with any product-related inquiries or concerns.
- **UL 2849 Certified:** The product is UL 2849 Certified, ensuring it meets rigorous electrical safety standards.
- **Contact Information:** For support, please visit the official isinwheel store or contact their customer service team through the platform where the product was purchased.
  Visit the isinwheel Store on Amazon

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