LIEAGLE HY-A02

LIEAGLE HY-A02 6.5-inch Self-Balancing Scooter User Manual

Model: HY-A02

1. Introduction and Safety Guidelines

Thank you for choosing the LIEAGLE HY-A02 Self-Balancing Scooter. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your device. Please read it thoroughly before first use and retain it for future reference.

1.1 Important Safety Information

- Always wear appropriate protective gear, including a helmet, knee pads, and elbow pads, when riding.
- Children should only operate the scooter under direct adult supervision. Ensure speed is kept moderate for younger riders.
- Operate the scooter carefully and remain aware of your surroundings to prevent accidents.
- The LIEAGLE HY-A02 has passed strict electrical tests and meets safety standards, ensuring a secure riding experience.
- Do not ride on public roads, uneven surfaces, or near traffic. This scooter is designed for use on flat, private surfaces.
- Avoid riding in wet conditions or on slippery surfaces.
- Do not attempt stunts or sudden maneuvers that could lead to loss of balance.



Figure 1: LIEAGLE HY-A02 Self-Balancing Scooter.

2. Product Overview

Familiarize yourself with the components of your LIEAGLE HY-A02 Self-Balancing Scooter for optimal use and safety.



Figure 2: Key components of the LIEAGLE HY-A02 Self-Balancing Scooter.

2.1 Components

- **Non-Slip Footpads:** Textured surfaces for secure foot placement.
- **Battery Indicator Light:** Displays the current battery charge level.
- **180° Rotation Axis:** Allows for flexible movement and turning.
- **LED Front Lights:** Provide illumination and enhance visibility.
- **Switch and Charging Port:** Power on/off switch and port for charging the device.
- **6.5-inch Wheels with LED Lights:** Durable rubber tires with integrated LED lighting for a dynamic appearance.



Figure 3: Internal structure showing dual brushless motors and battery.

3. Setup

3.1 Initial Charging

1. Before first use, fully charge the scooter for approximately 2-3 hours.
2. Connect the charger to the charging port on the scooter and then plug it into a standard wall outlet.
3. The indicator light on the charger will typically turn green when fully charged.

3.2 Calibration

If the scooter does not seem balanced or drifts, it may require calibration:

1. Ensure the scooter is powered off.
2. Place the scooter on a flat, level surface.
3. Press and hold the power button for approximately 5-10 seconds until the lights flash.
4. Release the button and wait for the lights to stop flashing, indicating successful calibration.
5. Power off and then power on the scooter to reset.

4. Operating Instructions

The LIEAGLE HY-A02 features a self-balancing control system, making it accessible for beginners. Always start slowly and practice in a safe, open area.

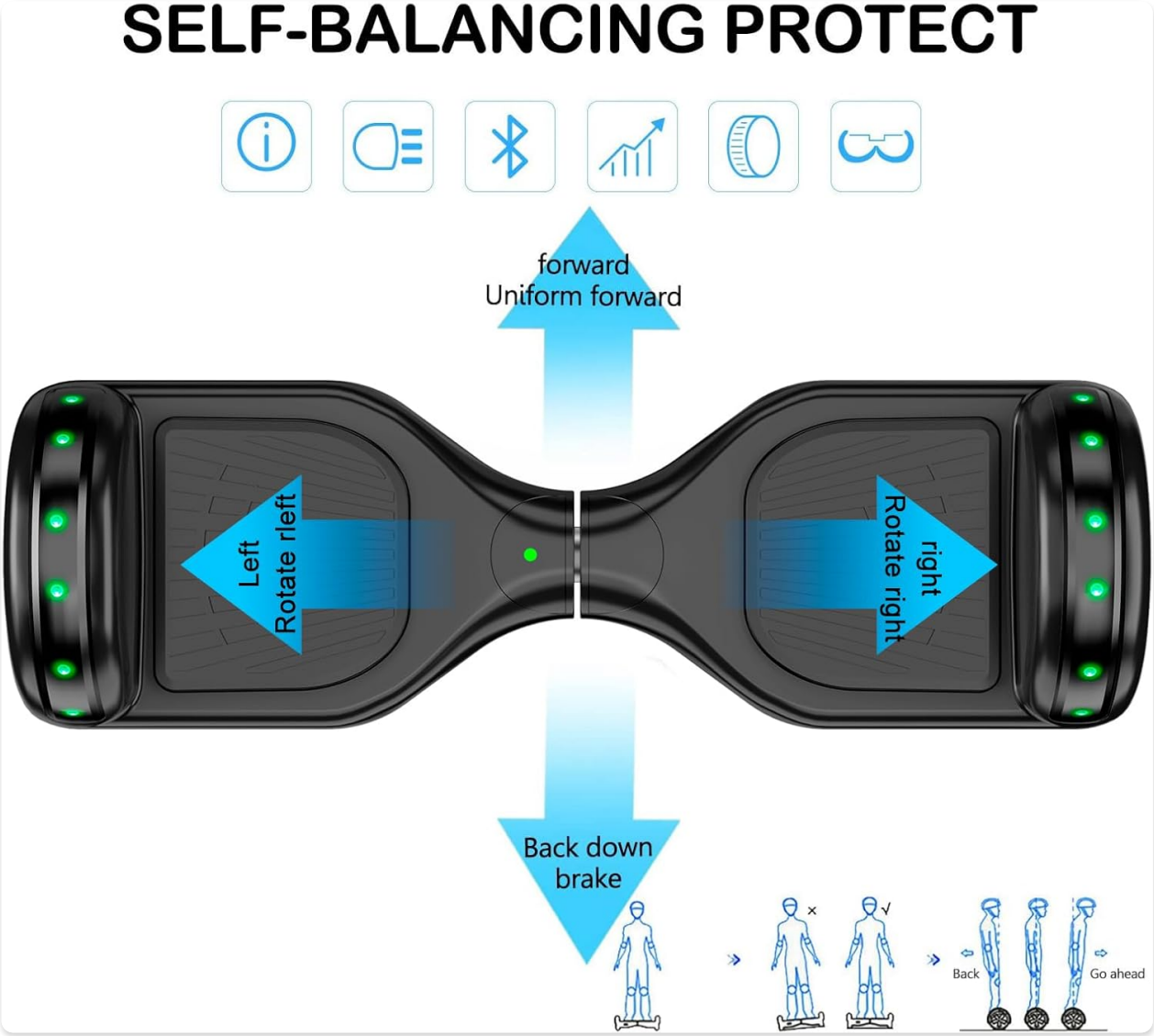


Figure 4: Self-balancing operation principles.

4.1 Mounting and Dismounting

1. **Mounting:** Place one foot firmly on a footpad. Once the scooter stabilizes, quickly step on with your other foot. Maintain a relaxed posture and keep your body centered.
2. **Dismounting:** Step off the scooter one foot at a time, preferably backward.

4.2 Riding

- **Forward:** Gently lean your body forward. The more you lean, the faster the scooter will move.
- **Backward:** Gently lean your body backward.
- **Turning:** To turn left, gently press your right foot down. To turn right, gently press your left foot down.
- **Braking:** Lean slightly backward or straighten your body to slow down and stop.



Figure 5: The LIEAGLE HY-A02 is suitable for various age groups.

4.3 Bluetooth Speaker Operation

Your LIEAGLE HY-A02 is equipped with a built-in wireless speaker.

1. Ensure the scooter is powered on.
2. Activate Bluetooth on your portable device (e.g., smartphone, tablet).
3. Search for available Bluetooth devices and select the one corresponding to your scooter (usually named 'Bluetooth' or similar).
4. Once paired, you can play audio through the scooter's speaker.



Figure 6: Connecting to the wireless speaker via Bluetooth.

5. Maintenance

5.1 Cleaning

- Turn off the scooter before cleaning.
- Use a soft, damp cloth to wipe down the exterior. Avoid using harsh chemicals or abrasive materials.
- Do not spray water directly onto the scooter or immerse it in water.

5.2 Storage

- Store the scooter in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to approximately 50% every 30 days to prolong battery life.

5.3 Battery Care

- Only use the original charger provided with your scooter.
- Do not overcharge the battery. Disconnect the charger once the battery is full.
- If the battery is damaged or shows signs of overheating, discontinue use immediately and contact support.

6. Troubleshooting

This section addresses common issues you might encounter with your LIEAGLE HY-A02 scooter.

Problem	Possible Cause	Solution
Scooter does not power on.	Low battery; Power button not pressed correctly.	Charge the scooter fully. Ensure the power button is pressed firmly.
Scooter is unbalanced or drifts.	Needs calibration.	Perform the calibration procedure as described in Section 3.2.
Battery not charging.	Charger not connected properly; Faulty charger or charging port; Battery issue.	Ensure charger is securely connected. Try a different outlet. If issues persist, contact customer support.
Bluetooth not connecting.	Scooter not in pairing mode; Bluetooth off on device; Device too far.	Ensure scooter is on. Turn Bluetooth off/on on your device. Move device closer to the scooter.
Scooter stops suddenly or makes unusual noises.	Overload (exceeding weight limit); Internal malfunction.	Immediately dismount. Check rider weight against specifications. If problem persists, discontinue use and contact support.

7. Specifications

Detailed technical specifications for the LIEAGLE HY-A02 Self-Balancing Scooter.

- **Model Name:** HY-A02
- **Wheel Size:** 6.5 inches
- **Material:** Plastic
- **Item Weight:** Approximately 2 Pounds (0.91 kg)
- **Package Weight:** Approximately 6.58 Kilograms
- **Item Package Dimensions (L x W x H):** 25 x 8 x 8 inches
- **Maximum Load Capacity:** 200 lbs (90.7 kg)
- **Maximum Speed:** 6 mph (9.6 km/h)
- **Suggested Users:** Unisex-adult (suitable for beginners, including kids with adult supervision)
- **Special Feature:** Rechargeable, Built-in Bluetooth Speaker, LED Lights
- **Manufacturer:** LIEAGLE Shenzhen Uni-sun Electronics Co., Ltd.

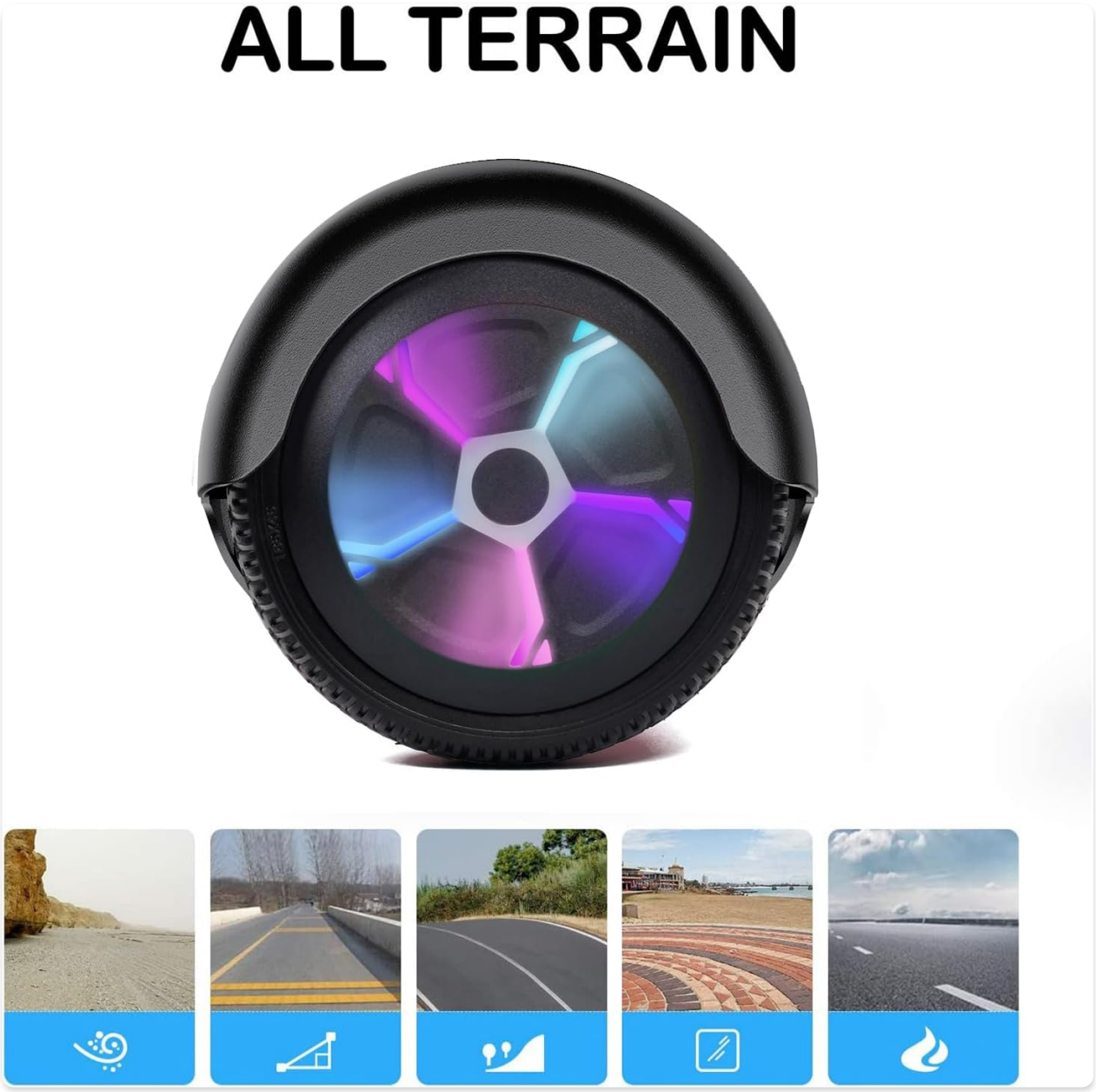


Figure 7: The LIEAGLE HY-A02 is designed for various flat and slightly uneven surfaces.

8. Warranty and Support

8.1 Warranty Information

The LIEAGLE HY-A02 Self-Balancing Scooter comes with a**90-day warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or failure to follow the instructions in this manual.

8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact LIEAGLE customer support. Refer to your purchase documentation or the seller's contact information for the most current support channels.

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