

Flybotic 21251

Flybotic Flashing Drone User Manual

Model: 21251

Brand: Flybotic (by Silverlit)

1. INTRODUCTION

Thank you for purchasing the Flybotic Flashing Drone, Model 21251. This drone offers an engaging flying experience with two control modes, integrated LED lights, and stable flight capabilities. Please read this manual thoroughly before operating the drone to ensure safe and correct usage. Keep this manual for future reference.

2. SAFETY WARNINGS

WARNING: Not suitable for children under 96 months (8 years) due to small parts and potential hazards. Adult supervision is required.

- Always operate the drone in open areas, away from people, animals, and obstacles.
- Do not fly near high-voltage lines, trees, or water.
- Ensure all propellers are securely attached and undamaged before flight.
- Keep fingers, hair, and loose clothing away from rotating propellers.
- Do not touch the motors during or immediately after flight as they may be hot.
- Use only the provided charging cable and specified batteries.
- Do not attempt to modify the drone or its components.
- Remove batteries from the remote control and wrist controller when not in use for extended periods.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Flybotic Flashing Drone (Model 21251)
- Classic Remote Control
- Wrist Motion Control Bracelet

- USB Charging Cable
- Spare Propellers (quantity may vary)
- User Manual

4. COMPONENTS OVERVIEW



Figure 4.1: Flybotic Flashing Drone. This image shows the top view of the blue Flybotic Flashing Drone with its four propellers and protective propeller guards. The 'FLYBOTIC' logo and power button are visible in the center.

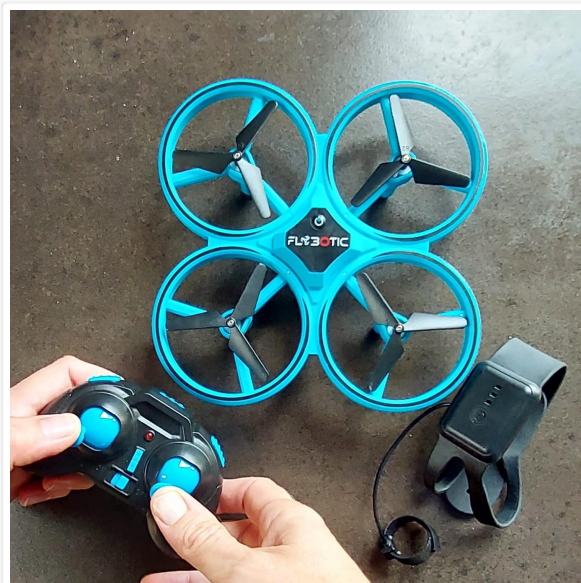


Figure 4.2: Drone with Control Options. This image displays the Flybotic Flashing Drone alongside its two control methods: the classic handheld remote control and the wrist-worn motion control bracelet. This illustrates the dual control functionality.

4.1 Drone

- **Propellers:** Four rotating blades for lift and movement.
- **Propeller Guards:** Circular frames protecting the propellers from impacts.
- **LED Lights:** Integrated lights for visual effects and night flying.
- **Power Button:** Located on the top center of the drone.
- **Battery Compartment:** Houses the rechargeable Li-Po battery.

4.2 Classic Remote Control

- **Left Joystick:** Controls altitude (throttle) and rotation (yaw).
- **Right Joystick:** Controls forward/backward (pitch) and left/right (roll) movement.
- **Trim Buttons:** For fine-tuning drone stability.
- **Special Function Buttons:** For features like 360° flips and speed modes.
- **Power Indicator:** LED light indicating power status.

4.3 Wrist Motion Control Bracelet

- **Motion Sensors:** Detects hand movements for intuitive control.
- **Control Buttons:** For specific actions like take-off/landing or special maneuvers.
- **Power Indicator:** LED light indicating power status.

5. SETUP

5.1 Battery Installation

1. **Drone Battery:** The drone includes a 3.7V, 550mAh Li-Po battery. Ensure it is securely installed in the drone's battery compartment. Refer to the diagram in the quick start guide for exact placement.
2. **Classic Remote Control Batteries:** Open the battery compartment on the back of the classic remote control. Insert 3 x "AAA" batteries (not included), ensuring correct polarity (+/-). Close the compartment securely.
3. **Wrist Motion Control Bracelet Battery:** The wrist controller includes 1 x "CR2032" battery. Ensure it is correctly installed.

5.2 Charging the Drone

1. Connect the USB charging cable to the drone's charging port.
2. Plug the other end of the USB cable into a USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light will show the charging status (refer to the quick start guide for specific light behavior).
4. Charging time is approximately 50 minutes. Do not overcharge the battery.

5.3 Pairing the Drone with Controller

1. Ensure the drone's battery is charged and installed.
2. Place the drone on a flat, level surface.
3. Turn on the drone by pressing its power button. The drone's lights will flash.
4. Turn on your chosen controller (classic remote or wrist controller). The controller's indicator light will flash.
5. For the classic remote: Push the left joystick (throttle) all the way up, then all the way down. The drone and controller lights will become solid, indicating successful pairing.
6. For the wrist controller: Follow specific pairing instructions in the quick start guide, usually involving a button press or specific motion.

6. OPERATING INSTRUCTIONS



Figure 6.1: Dual Control Modes. This image highlights the flexibility of controlling the Flybotic Flashing Drone using either the classic remote control or the innovative wrist motion control bracelet.



Figure 6.2: Flashing Drone Lights. The drone is shown with its integrated LED lights illuminated, demonstrating its ability to be flown in low-light conditions and for visual effects.

6.1 Basic Flight Controls (Classic Remote)

- **Take-off:** After pairing, press the one-key take-off button or slowly push the left joystick up.
- **Altitude Hold:** The drone features altitude stabilization, allowing it to maintain a set height automatically.
- **Ascend/Descend:** Push the left joystick up to ascend, pull down to descend.
- **Forward/Backward:** Push the right joystick up for forward flight, pull down for backward flight.
- **Left/Right (Roll):** Push the right joystick left to move left, push right to move right.
- **Turn Left/Right (Yaw):** Push the left joystick left to rotate counter-clockwise, push right to rotate clockwise.
- **Landing:** Press the one-key landing button or slowly pull the left joystick down until the drone lands.

6.2 Wrist Motion Control

The wrist controller allows for intuitive flight control through hand gestures. Specific gestures for take-off, landing, and directional movement are detailed in the quick start guide included with your product. Generally, tilting your hand forward, backward, left, or right will correspond to the drone's movement in that direction.

6.3 Special Features

- **360° Flips:** Press the designated flip button on the remote control, then push the right joystick in the desired direction to perform a 360-degree aerial flip.
- **Light Effects:** The integrated LEDs can be activated or changed via a button on the remote, enhancing visibility and visual appeal, especially in low-light conditions.
- **Speed Modes:** The drone may have multiple speed settings (e.g., 1 to 3) to accommodate different skill levels and flying environments. Adjust using the speed button on the remote.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and controllers. Do not use water or chemical cleaners.
- **Propeller Inspection:** Regularly check propellers for damage (bends, cracks). Replace any damaged propellers with spare parts to ensure stable flight.
- **Battery Care:** Store batteries in a cool, dry place. Do not leave batteries fully discharged or fully charged for extended periods.
- **Storage:** When not in use, store the drone and accessories in a safe place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not respond to controller.	Not paired, low controller batteries, drone battery low.	Re-pair the drone and controller. Replace controller batteries. Charge drone battery.
Short flight time (approx. 6 minutes).	Normal operation for drone battery size.	Ensure battery is fully charged before each flight. Consider purchasing additional compatible batteries if available.
Drone is unstable or drifts.	Uneven surface at take-off, damaged propellers, need for trim adjustment.	Ensure drone is on a flat surface for take-off. Inspect and replace damaged propellers. Use trim buttons to stabilize flight.
Drone crashes easily / seems fragile.	Impacts during flight, aggressive maneuvers.	Fly in open spaces. Practice gentle controls. The drone is designed for recreational use; repeated hard impacts can cause damage.
Lights are not flashing or working.	Feature not activated, drone battery low.	Ensure the light effects button is pressed. Charge the drone battery.

9. SPECIFICATIONS

- **Model Number:** 21251
- **Brand:** Flybotic (Silverlit)
- **Dimensions (L x W x H):** 17 x 17 x 5 cm
- **Item Weight:** 200 grams

- **Control Frequency:** 2.4 GHz
- **Maximum Range:** 30 meters
- **Drone Battery:** 1 x 3.7V, 550mAh Li-Po (included)
- **Classic Remote Batteries:** 3 x "AAA" (not included)
- **Wrist Controller Battery:** 1 x "CR2032" (included)
- **Charging Time:** Approximately 50 minutes
- **Play Time:** Approximately 6 minutes
- **Special Features:** 360° Flips, Altitude Hold, Integrated LED Lights
- **Recommended Age:** 8 years and up
- **Connectivity:** USB (for charging)
- **Video Recording Resolution:** 720p (Note: Camera functionality not explicitly detailed for this model, refer to product packaging for confirmation)

10. WARRANTY AND SUPPORT

For product support, spare parts inquiries, or warranty information, please contact the manufacturer, Silverlit, or your retailer. Keep your proof of purchase for any warranty claims.

Manufacturer: FLYBOTIC (by Silverlit)

Website: www.silverlit.com (Please check for regional support contacts)