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Silverlit 84807

FLYBOTIC by Silverlit Bumper Drone Model 84807 Instruction Manual

1. INTRODUCTION

Welcome to the instruction manual for your FLYBOTIC by Silverlit Bumper Drone, Model 84807. This drone is designed for ease of use and durability, featuring an innovative anti-shock material that allows it to bounce off obstacles without damage. It also includes advanced features such as automatic take-off and landing, altitude hold, headless mode, and the unique ability to land on and take off from unsalted water. Please read this manual thoroughly before operating your drone to ensure safe and optimal performance.



Image 1.1: FLYBOTIC by Silverlit Bumper Drone packaging, showing the drone and remote control.

2. SAFETY WARNINGS

- **Age Recommendation:** This product is not suitable for children under 36 months due to small parts which may present a choking hazard. Recommended for ages 8 and up.
- **Adult Supervision:** Always operate the drone under adult supervision, especially for younger users.
- **Battery Safety:**
 - Do not mix old and new batteries.
 - Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
 - Ensure correct polarity when inserting batteries.
 - Remove exhausted batteries promptly.
 - Do not attempt to charge non-rechargeable batteries.
 - Rechargeable batteries should only be charged under adult supervision.
 - Remove rechargeable batteries from the toy before charging.
 - Do not short-circuit the supply terminals.
 - Allow the drone battery to cool for 10-15 minutes before recharging.
 - Do not charge the drone battery using a computer; use a USB power adapter.
- **Flight Environment:**
 - Fly in open areas, away from people, animals, and obstacles.
 - Avoid flying near power lines, trees, or water bodies (unless performing a controlled water landing/take-off).
 - Do not fly in strong winds.
- **Propeller Safety:** Keep fingers, hair, and loose clothing away from rotating propellers.
- **Water Use:** Only land and take off from unsalted water. Avoid prolonged submersion.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- FLYBOTIC Bumper Drone (Model 84807)
- Remote Control
- Rechargeable Lithium-polymer Battery (for drone)
- USB Charging Cable (for drone battery)

Note: 3 x AA (LR6) batteries for the remote control are **not included** and must be purchased separately.



Image 3.1: The FLYBOTIC Bumper Drone, showcasing its protective rings and central body.

4. SETUP

4.1 Remote Control Battery Installation

1. Ensure the remote control's power switch is in the "OFF" position.
2. Locate the battery compartment on the back of the remote control.
3. Open the battery compartment cover.
4. Insert 3 x AA (LR6) batteries, observing the correct polarity (+/-) as indicated inside the compartment.
5. Close the battery compartment cover securely.

4.2 Drone Battery Charging

1. Disconnect the charging plug from the drone and carefully remove the rechargeable battery from the drone.
2. Connect the drone battery to the provided USB charging cable.
3. Plug the USB charging cable into a USB power adapter (not included). Do not use a computer's USB port for charging.
4. The LED indicator on the USB charging cable will illuminate during charging. When the LED turns off, charging is complete.
5. Disconnect the charging plug from the battery.
6. Allow the battery to cool for 10-15 minutes before reinstalling it in the drone or recharging.

4.3 Drone Battery Installation

1. Carefully insert the charged battery into the drone's battery compartment.
2. Connect the battery plug to the drone's power socket.
3. Close the battery compartment cover securely.

4.4 Pairing the Drone and Remote Control

1. Place the drone on a flat, level surface.
2. Turn on the drone's power switch. The drone's lights will flash.

3. Turn on the remote control's power switch.
4. Move the left joystick (throttle) all the way up, then all the way down.
5. The drone's lights will stop flashing and remain solid, indicating successful pairing.

5. OPERATING INSTRUCTIONS

5.1 Remote Control Overview



Image 5.1: The remote control for the FLYBOTIC Bumper Drone.

- **Left Joystick (Throttle):** Controls altitude (up/down) and yaw (rotate left/right).
- **Right Joystick (Direction):** Controls pitch (forward/backward) and roll (left/right strafe).
- **Take Off Button:** Initiates automatic take-off.
- **Stop Button:** Initiates automatic landing.
- **Mode Switch (Normal/Headless):** Toggles between normal flight mode and headless mode.
- **Trim Buttons:** Used to fine-tune the drone's stability if it drifts in any direction.

5.2 Basic Flight

1. Ensure the drone and remote are paired (Section 4.4).
2. Press the **Take Off** button. The drone will automatically ascend to a stable hovering altitude.
3. Use the **Right Joystick** to move the drone forward, backward, left, or right.
4. Use the **Left Joystick** to adjust altitude or rotate the drone.
5. To land, press the **Stop** button. The drone will automatically descend and land.

5.3 Special Features

- **100% Anti-Shock Design:** The drone's foam-effect material protects its propellers and allows it to absorb impacts and bounce off walls without damage.
- **Water Landing and Take-Off:** The Bumper Drone is capable of landing on and taking off from unsalted water. Ensure the water is clean and free of debris. Avoid prolonged submersion.
- **Auto-Hovering (Altitude Hold):** The drone automatically maintains its altitude, making it easier for beginners to control direction without constantly managing throttle.
- **Headless Mode:** Activate Headless Mode using the switch on the remote. In this mode, the drone's orientation is relative to the pilot, regardless of which way the drone's front is facing. This simplifies control for new pilots.
- **2.4 GHz Technology:** Provides a stable connection and allows for a range of up to 30 meters. Multiple drones (up to 10) can be flown simultaneously without interference.

6. MAINTENANCE

- **Cleaning:** Wipe the drone and remote control with a soft, dry cloth. Do not use harsh chemicals or water directly on electronic components.
- **Storage:** Store the drone and remote control in a cool, dry place away from direct sunlight when not in use. Remove batteries from the remote control if storing for extended periods.
- **Propeller Inspection:** Regularly check propellers for any damage or debris. Replace damaged propellers if necessary (replacement parts not explicitly listed but generally available from manufacturer).
- **Battery Care:** Follow charging instructions carefully. Do not overcharge or completely drain the drone battery.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Drone battery is not charged or not connected.	Charge the drone battery and ensure it is properly connected.
Remote control does not power on.	AA batteries are dead or incorrectly installed.	Replace AA batteries, ensuring correct polarity.
Drone and remote do not pair.	Pairing sequence not followed correctly.	Repeat the pairing steps (Section 4.4). Ensure both devices are powered on and close to each other.
Drone drifts during flight.	Drone not calibrated or trim settings incorrect.	Ensure the drone is placed on a flat surface before powering on. Use the trim buttons on the remote control to correct drift.
Short flight time.	Battery not fully charged or aging battery.	Ensure the battery is fully charged. Consider replacing the battery if it's old and performance has significantly degraded.

Problem	Possible Cause	Solution
Drone does not respond to controls.	Out of range or interference.	Bring the drone closer to the remote control. Avoid areas with strong radio interference.

8. SPECIFICATIONS

- **Brand:** Silverlit
- **Model Name:** Bumper Drone
- **Model Number:** 84807
- **Item Weight:** Approximately 200 grams (0.44 lbs)
- **Product Dimensions:** Approximately 55.88 x 10.16 x 35.56 cm (22 x 4 x 14 inches)
- **Drone Battery:** 1 x Lithium-polymer (included, rechargeable via USB)
- **Remote Control Batteries:** 3 x AA (LR6) batteries (not included)
- **Control Type:** Remote Control
- **Special Features:** Headless Mode, Auto-Hovering, Water Landing/Take-off, Anti-Shock Design
- **Connectivity:** 2.4 GHz
- **Range:** Up to 30 meters (98 feet)
- **Playtime:** Approximately 5 minutes
- **Charging Time:** Approximately 1 hour
- **Recommended Age:** 8 years and up
- **Skill Level:** Beginner

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official Silverlit website. Keep your proof of purchase for any warranty claims.