

Silverlit SE84602

Silverlit Sky Eye Helicopter User Manual

Model: SE84602

1. INTRODUCTION

Welcome to the world of remote-controlled flight with your new Silverlit Sky Eye Helicopter. This 3-channel remote control helicopter is equipped with an integrated video camera and a sophisticated gyro system for enhanced stability, making it suitable for both beginners and experienced enthusiasts. It allows you to stream and record live footage directly to the handheld remote controller, saving videos and photos to an SD card (not included) for later download to your PC. Designed for indoor and outdoor flight in calm conditions, the Sky Eye offers an immersive flying and recording experience.



Figure 1.1: The Silverlit Sky Eye Helicopter, a 3-channel remote-controlled aircraft with an integrated camera.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating your Silverlit Sky Eye Helicopter. Failure to follow these instructions may result in injury or damage to the product.

- **Adult Supervision:** This product is recommended for ages 15 and up. Adult supervision is advised for younger users.
- **Flight Environment:** Operate the helicopter in open, clear areas, free from obstacles, people, and animals. Avoid flying near power lines, trees, or water.
- **Weather Conditions:** The helicopter is designed for indoor and outdoor flight in *calm conditions only*. Do not fly in strong winds, rain, or snow.
- **Battery Safety:**
 - Use only the specified batteries (8 AA for transmitter, built-in Li-Poly for helicopter).

- Do not mix old and new batteries, or different types of batteries.
 - Do not attempt to recharge non-rechargeable batteries.
 - Rechargeable batteries should only be charged under adult supervision.
 - Remove exhausted batteries promptly.
 - Do not short-circuit battery terminals.
 - Dispose of batteries responsibly according to local regulations.
- **Rotor Blades:** Keep fingers, hair, and loose clothing away from the rotating rotor blades. Do not touch the helicopter while the blades are spinning.
 - **Impact:** Avoid crashes and impacts. If the helicopter crashes, inspect it for damage before attempting to fly again.
 - **Heat:** Do not expose the helicopter or transmitter to extreme temperatures or direct sunlight for prolonged periods.

3. PACKAGE CONTENTS

Upon opening the package, please ensure all the following items are present and in good condition:

- Silverlit Sky Eye Helicopter (1 unit)
- 2.4GHz Transmitter with integrated LCD screen (1 unit)
- USB Charging Cable (1 unit)
- Instruction Manual (this document)

Note: A Micro SD card is **not included** and must be purchased separately to record photos and videos.



Figure 3.1: The Silverlit Sky Eye Helicopter packaging, showing the helicopter and transmitter.

4. SETUP

4.1. Transmitter Battery Installation

The transmitter requires 8 AA batteries (not included).

1. Locate the battery compartment on the back of the transmitter.
2. Open the battery cover.
3. Insert 8 new AA batteries, ensuring correct polarity (+/-).
4. Close the battery cover securely.

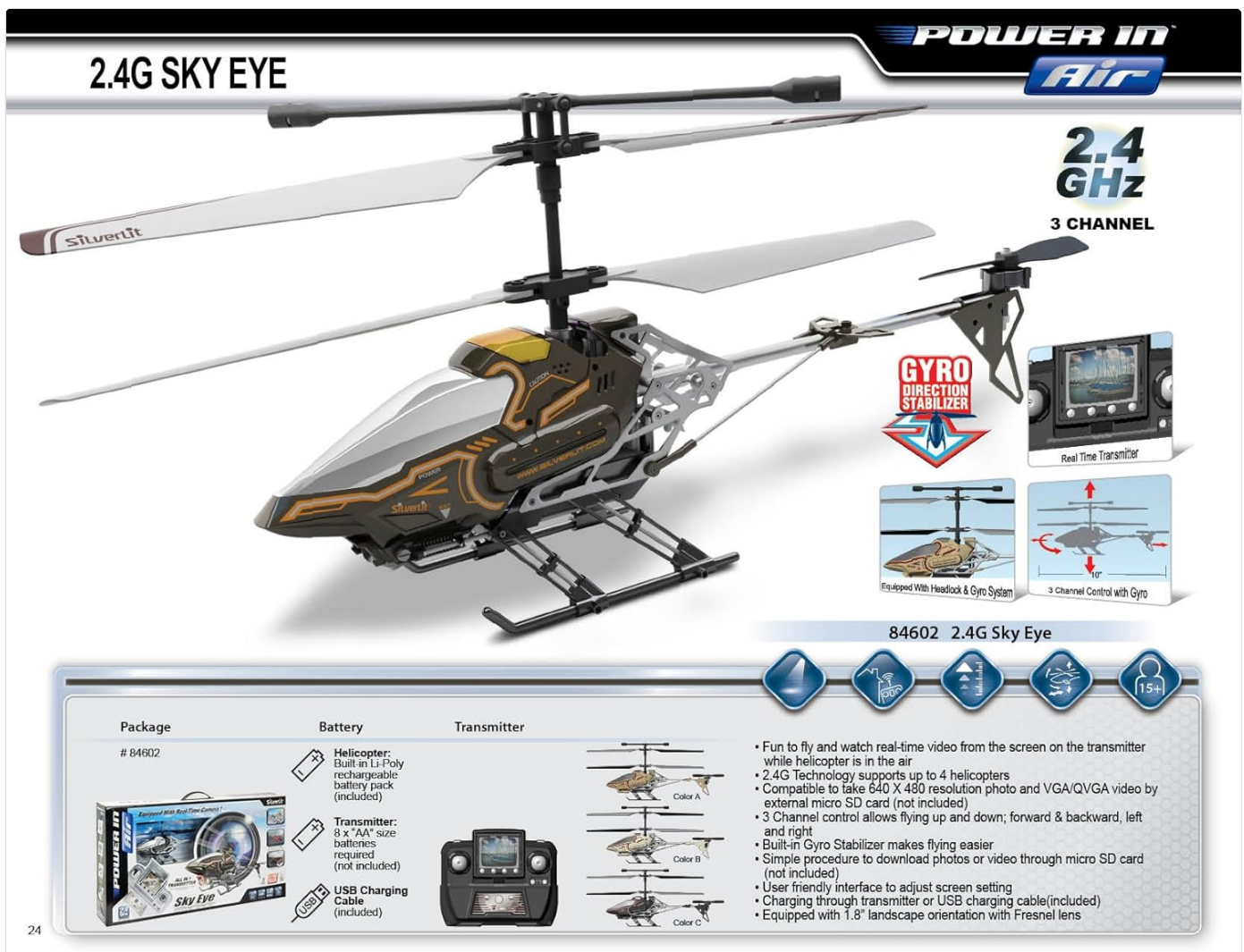


Figure 4.1: The Silverlit Sky Eye Transmitter, showing the control sticks, display, and various buttons.

4.2. Helicopter Charging

The helicopter has a built-in Li-Poly battery.

1. Ensure the helicopter's power switch is in the "OFF" position.
2. Connect the USB charging cable to the helicopter's charging port.
3. Connect the other end of the USB cable to a powered USB port (e.g., computer, USB wall adapter).
4. The charging indicator light on the USB cable or helicopter will illuminate during charging and turn off or change color when fully charged.
5. Charging typically takes approximately 60-90 minutes.

4.3. Micro SD Card Insertion

A Micro SD card (not included) is required for recording photos and videos.

1. Locate the Micro SD card slot on the helicopter (refer to the product diagram if available).
2. Gently insert the Micro SD card into the slot until it clicks into place. Ensure the correct orientation.
3. To remove, gently push the card in again until it springs out.

4.4. Pairing the Helicopter and Transmitter

Follow these steps to establish a connection between the helicopter and the transmitter:

1. Ensure both the helicopter and transmitter are fully charged.

2. Place the helicopter on a flat, level surface.
3. Turn on the transmitter by sliding the power switch to "ON". The power indicator light will illuminate.
4. Turn on the helicopter by sliding its power switch to "ON".
5. The helicopter's indicator light will blink, and the transmitter's screen may show a pairing status.
6. Move the left throttle stick (left joystick) on the transmitter fully up, then fully down.
7. The indicator lights on both the helicopter and transmitter should become solid, indicating successful pairing.
8. If pairing fails, turn off both devices and repeat the process.

5. OPERATING INSTRUCTIONS

5.1. Transmitter Controls Overview

The 2.4GHz transmitter provides precise control over the helicopter's flight and camera functions.



Figure 5.1: The transmitter displaying a live video feed from the helicopter's camera.

Transmitter Control Functions

Control	Function
Left Stick (Throttle)	Up/Down: Ascend/Descend (Throttle) Left/Right: Rotate Left/Right (Yaw)
Right Stick (Direction)	Up/Down: Forward/Backward (Pitch) Left/Right: Sideways Left/Right (Roll - though typically not on 3-channel)
ST.TRIM L/R Buttons	Adjusts the helicopter's rotational trim to prevent unwanted spinning.
VIDEO Button	Press to start/stop video recording.
PHOTO Button	Press to take a still photo.
DISPLAY MODE Switch	Switches between video display modes on the transmitter screen.
MENU Button	Accesses menu options on the transmitter screen.

5.2. Basic Flight Operations

Ensure the helicopter is paired and placed on a flat, level surface before attempting flight.

- **Take-off:** Slowly push the left throttle stick upwards. The helicopter will ascend. Increase throttle gradually until it lifts off.
- **Hovering:** Adjust the throttle stick to maintain a stable altitude. Use the ST.TRIM buttons to correct any unwanted rotation.
- **Forward/Backward Flight:** Gently push the right stick forward to move forward, and pull it back to move backward.
- **Turning:** Use the left stick left or right to rotate the helicopter on its axis (yaw).
- **Landing:** Slowly pull the left throttle stick downwards. Reduce throttle gradually until the helicopter gently lands. Cut throttle completely once on the ground.

5.3. Camera and Video Functions

The Sky Eye helicopter features a real-time camera that streams video to your transmitter and records to an SD card.

- **Real-time Video Streaming:** Once the helicopter is powered on and paired, the live video feed from the helicopter's camera will automatically display on the transmitter's LCD screen.
- **Taking Photos:** Press the **PHOTO** button on the transmitter once to capture a still image. A confirmation icon or sound may indicate a successful capture.
- **Recording Video:** Press the **VIDEO** button on the transmitter once to start recording. Press it again to stop recording. A recording indicator (e.g., a red dot or timer) will typically appear on the transmitter screen during recording.
- **Adjustable Camera Angle:** The camera angle on the helicopter can be adjusted manually before flight to optimize your view.
- **Downloading Media:** To access recorded photos and videos, remove the Micro SD card from the helicopter and insert it into a compatible card reader connected to your computer. Alternatively, connect the helicopter directly to your computer using the supplied USB cable to download files.

6. MAINTENANCE

Proper maintenance will extend the lifespan of your Silverlit Sky Eye Helicopter.

- **Cleaning:** Use a soft, dry cloth to clean the helicopter and transmitter. Do not use harsh chemicals or solvents.
- **Storage:** Store the helicopter and transmitter in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Battery Care:**
 - Remove batteries from the transmitter if it will not be used for an extended period.
 - Do not overcharge the helicopter's Li-Poly battery.
 - Allow the helicopter's battery to cool down after use before recharging.
- **Rotor Blades:** Inspect rotor blades for damage after each flight. Replace any cracked or bent blades to ensure stable flight.

7. TROUBLESHOOTING

If you encounter issues with your Silverlit Sky Eye Helicopter, refer to the following common problems and solutions:

Troubleshooting Guide

Problem	Possible Cause	Solution
Helicopter does not respond or power on.	Low battery in helicopter or transmitter; Not paired; Power switch off.	Ensure helicopter is fully charged. Replace transmitter batteries. Confirm both power switches are ON. Re-attempt pairing.
Helicopter spins uncontrollably or drifts.	Trim settings incorrect; Damaged rotor blades; Uneven take-off surface.	Adjust the ST.TRIM L/R buttons on the transmitter. Inspect and replace damaged blades. Take off from a flat, level surface.
Poor video quality or no video feed.	Poor signal; SD card issues; Camera lens obstructed.	Ensure helicopter is within range. Check if SD card is properly inserted and not full. Clean camera lens.
Cannot record photos/videos.	No SD card inserted; SD card full or corrupted; Incorrect file format.	Insert a Micro SD card. Delete old files or use a new SD card. Format the SD card if necessary (refer to camera device instructions for formatting).
Short flight time.	Helicopter battery not fully charged; Old battery.	Ensure battery is fully charged before each flight. Battery lifespan decreases over time; consider replacement if available.

8. SPECIFICATIONS

Feature	Detail
Model Number	SE84602
Brand	Silverlit
Control Channels	3 Channel
Radio Frequency	2.4 GHz (2 Bands)
Dimensions (LxWxH)	61 x 8.9 x 29.2 cm
Item Weight	1.3 kg (1300 g)

Feature	Detail
Material	Plastic, Metal
Helicopter Battery	Built-in Li-Poly (rechargeable via USB)
Transmitter Battery	8 x AA batteries (not included)
Flying Height	Up to 8 meters
Flying Time	Approximately 5 minutes per charge
Camera	Integrated, Real-time Video, Photo Capture
Gyro System	Yes, for stability
Storage Media	Micro SD card (not included)

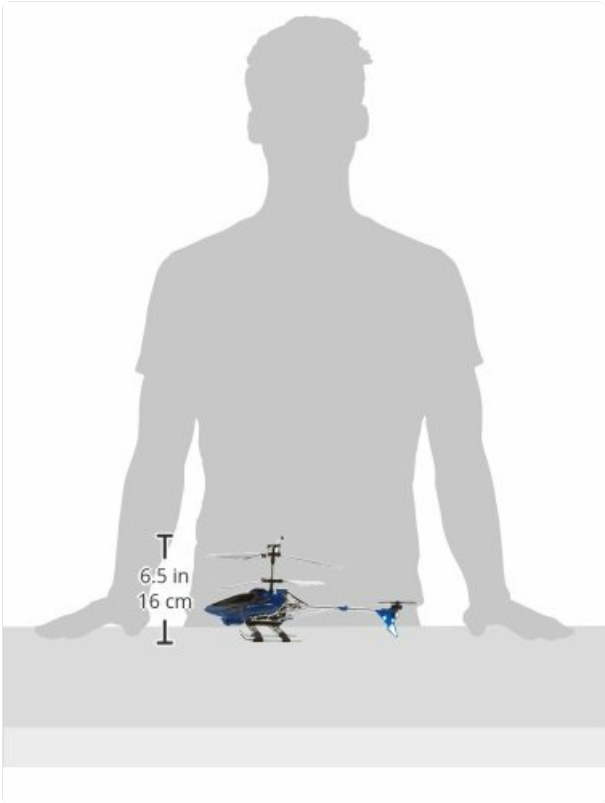


Figure 8.1: A visual representation of the helicopter's approximate size.

9. WARRANTY AND SUPPORT

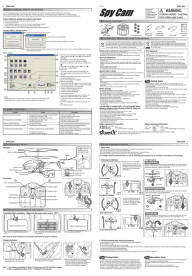
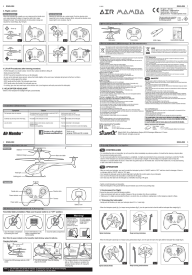


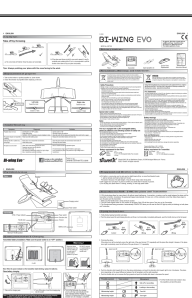

For warranty information and technical support, please contact the manufacturer, Innovation & Invention LLP, or your point of purchase. Keep your proof of purchase for any warranty claims.

Manufacturer: Innovation & Invention LLP

Please note that warranty terms may vary by region and retailer. Damage caused by improper use, accidents, or unauthorized modifications is typically not covered under warranty.



Related Documents - SE84602

	<p>Silverlit Spy Cam Helicopter User Manual and Operating Instructions</p> <p>This user manual provides detailed instructions for operating and maintaining the Silverlit Spy Cam helicopter, including setup, flight controls, camera functions, troubleshooting, and safety guidelines.</p>
	<p>Air Mamba Helicopter User Manual and Safety Guide</p> <p>Comprehensive guide for the Air Mamba helicopter, covering setup, flight controls, safety precautions, troubleshooting, and battery care. Learn how to operate your Air Mamba helicopter safely and effectively.</p>
	<p>Silverlit BumperDrone HD 84813 User Manual</p> <p>Comprehensive guide to setting up, flying, and troubleshooting the Silverlit BumperDrone HD (Model 84813), including flight controls, battery charging, and safety instructions.</p>
	<p>Silverlit YCOO RC Helicopter & PUPBO Interactive Robot Puppy Instruction Manual</p> <p>Comprehensive instruction manual for Silverlit's YCOO RC Helicopter (Model EI-6809) and PUPBO Interactive Robot Puppy (Model EI-8364a), covering setup, operation, safety, and troubleshooting.</p>
	<p>Silverlit BI-WING EVO Remote Control Airplane - Instruction Manual</p> <p>Comprehensive instruction manual for the Silverlit BI-WING EVO remote control airplane (Model 85739), covering setup, operation, troubleshooting, safety precautions, and battery information.</p>
	<p>Silverlit BumperDrone HD Beginner's Manual</p> <p>Comprehensive user manual for the Silverlit BumperDrone HD quadcopter, providing detailed instructions on assembly, operation, safety guidelines, and troubleshooting for beginners.</p>