SYMA S107H-E

SYMA S107H-E Remote Control Helicopter: Instruction Manual

Model: S107H-E

1. Introduction

Thank you for purchasing the SYMA S107H-E Remote Control Helicopter. This manual provides essential information for the safe and effective operation of your new helicopter. Please read it thoroughly before use and retain it for future reference.
The SYMA S107H-E is designed for indoor flight, featuring Altitude Hold, One Key Take Off/Landing, a 3.5 Channel control system, Gyro Stabilizer, and LED lights, making it suitable for beginners and children.

2. What's in the Box

Carefully unpack all components and ensure everything listed below is present:

- SYMA S107H-E Remote Control Helicopter (Green)
- Remote Controller
- USB Charging Cable
- Spare Main Rotor Blades
- Screwdriver
- Instruction Manual

Image: All components included in the SYMA S107H-E package, including the helicopter, remote, charging cable, spare blades, and screwdriver.

3. Setup

3.1 Remote Controller Battery Installation

1. Locate the battery compartment on the back of the remote controller.
2. Use the provided screwdriver to open the battery cover.
3. Insert 4 x AA batteries (not included) into the compartment, ensuring correct polarity.
4. Replace the battery cover and secure it with the screw.

3.2 Helicopter Charging

The helicopter features a built-in Lithium Polymer battery. Use the provided USB charging cable to charge the helicopter.

1. Ensure the helicopter's power switch is in the 'OFF' position.
2. Connect the small end of the USB charging cable to the helicopter's charging port (typically on the side).
3. Connect the USB end of the cable to a USB power source (e.g., computer, USB wall adapter).
4. The indicator light on the USB cable will show charging status (refer to manual for specific light indications).
5. Charging typically takes approximately 60-80 minutes for a full charge, providing 5-7 minutes of flight time.

Image: Close-up of the SYMA S107H-E helicopter connected to a USB charging cable, illustrating the charging process.

3.3 Pairing the Helicopter and Remote

1. Turn on the helicopter's power switch (located on the side/bottom). The helicopter's LED lights will flash.
2. Turn on the remote controller by pressing the power button. The remote's indicator light will flash.
3. Push the left throttle stick (up/down control) all the way up, then all the way down. You will hear a beep, and the indicator lights on both the helicopter and remote will become solid, indicating successful pairing.

Video: A user demonstrates the ease of flying the SYMA S107H-E helicopter indoors, highlighting its smooth control and responsiveness.

4. Operating Instructions

4.1 Basic Controls

- **Left Stick (Throttle)**: Controls altitude (up/down).
- **Right Stick (Directional)**: Controls forward/backward movement and left/right rotation.
- **Trim Buttons**: Fine-tune the helicopter's stability if it drifts in any direction.

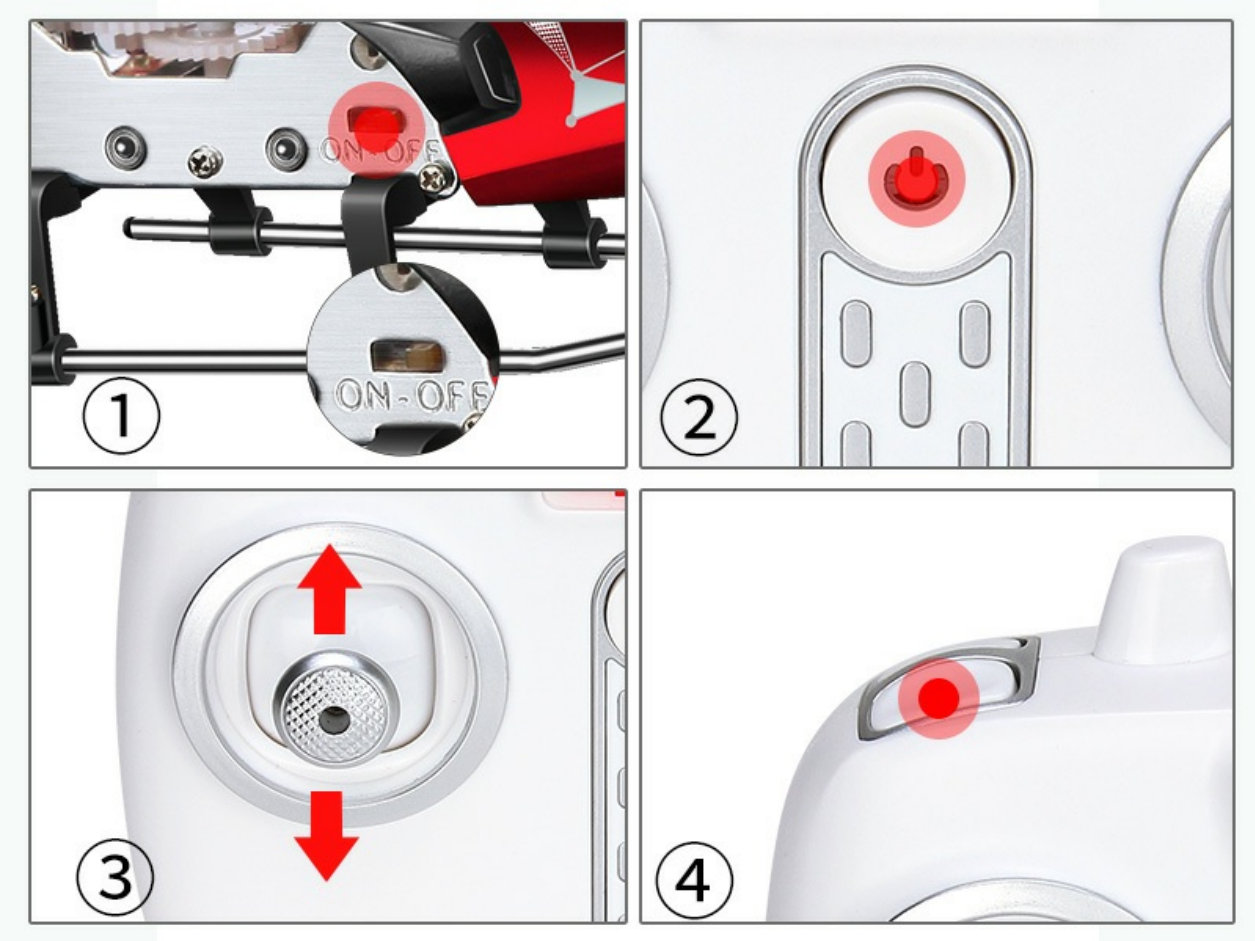

Image: A diagram illustrating the functions of the remote control buttons and sticks for the SYMA S107H-E helicopter.

4.2 Altitude Hold Function

The S107H-E is equipped with an Altitude Hold function. Once the helicopter reaches a desired height, release the throttle stick, and it will maintain that altitude, making it easier for beginners to control.

Image: Illustration of the Altitude Hold feature, showing the helicopter maintaining a stable height after the throttle is released.

4.3 One Key Take Off/Landing

For simplified operation, the helicopter features One Key Take Off and One Key Landing. Press the dedicated button on the remote (usually the top-left trigger button) to initiate automatic take-off or landing. The helicopter will ascend to a stable hover or descend gently to the ground.

Image: Visual representation of the One Key Take Off/Landing function, showing the helicopter automatically ascending or descending.

Video: A demonstration of the SYMA S107H-E helicopter's durability, showcasing its ability to withstand impacts and continue flying.

5. Safety Guidelines

- This helicopter is designed for indoor use only. Avoid flying outdoors, especially in windy conditions.
- Always ensure sufficient space for flight, away from obstacles, people, and pets.
- Keep fingers and hair away from rotating blades.
- Do not operate near heat sources, water, or electrical outlets.
- Adult supervision is recommended for younger users.

6. Maintenance

- Regularly inspect the helicopter for any damage to the blades, body, or landing gear.
- If blades are damaged, replace them with the provided spare blades using the screwdriver.
- Clean the helicopter gently with a dry cloth. Avoid using water or harsh chemicals.
- Store the helicopter and remote in a cool, dry place when not in use.

Video: A detailed showcase of the SYMA S107H-E RC Helicopter, highlighting its features like Altitude Hold and overall design.

7. Troubleshooting

- **Helicopter not responding:** Ensure both the helicopter and remote are powered on and successfully paired. Check remote batteries.
- **Helicopter not taking off:** Ensure the helicopter battery is fully charged. Check for any obstructions to the blades.
- **Helicopter drifting:** Use the trim buttons on the remote control to adjust stability.
- **Remote not powering on:** Replace the AA batteries in the remote controller.

8. Specifications

Feature	Detail
Product Dimensions	8.6 x 1.5 x 4.1 inches
Item Weight	13.4 ounces
Item Model Number	ES107H-E
Manufacturer Recommended Age	14 years and up
Batteries	1 Lithium Polymer battery required (built-in)
Channels	3.5 Channel
Features	Altitude Hold, One Key Take Off/Landing, Gyro Stabilizer, High & Low Speed, LED Light

9. Warranty and Support

SYMA is committed to providing high-quality products and customer satisfaction. For any questions, technical support, or warranty inquiries, please contact us directly:

- **Phone (USA):** +1 (718) 312-0558
- **Email (USA):** usa@symatoys.com

SYMA has been a leading innovator in remote-controlled aircraft for over 15 years, dedicated to delivering imagination, fun, and inspiration through scientific and technological innovation.