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## SYMA S107H-E

# SYMA S107H-E RC Helicopter User Manual

Model: S107H-E

## INTRODUCTION

Thank you for purchasing the SYMA S107H-E RC Helicopter. This manual provides essential information for the safe operation, setup, maintenance, and troubleshooting of your new remote control helicopter. Please read this manual thoroughly before operating the helicopter to ensure proper use and to maximize your flying experience.

## SAFETY INFORMATION

Always prioritize safety when operating the SYMA S107H-E RC Helicopter. Failure to follow these guidelines may result in injury or damage to the product.

- **Age Recommendation:** This product is recommended for users aged 8 years and up. Adult supervision is advised for younger users.
- **Indoor Use Only:** This helicopter is designed for indoor use. Avoid flying outdoors, especially in windy conditions, as this can lead to loss of control and damage.
- **Clear Flying Area:** Ensure the flying area is clear of obstacles, people, and pets. Maintain a safe distance from walls, furniture, and other objects.
- **Battery Safety:**
  - Do not overcharge or short-circuit batteries.
  - Use only the provided charging cable.
  - Do not expose batteries to extreme temperatures or direct sunlight.
  - If batteries leak, avoid contact with skin and eyes. Seek medical attention if contact occurs.
- **Rotor Blades:** Keep fingers, hair, and loose clothing away from the rotating blades. Do not touch the helicopter while the blades are spinning.
- **Water Exposure:** Do not expose the helicopter or remote control to water or moisture.
- **Supervision:** Always supervise children during operation.

# Safety Helicopter with Certifications



Image: The SYMA S107H-E RC Helicopter is designed with safety in mind, as indicated by its certifications. Always ensure a safe flying environment.

## PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- 1 x SYMA S107H-E RC Helicopter (battery included)
- 1 x Remote Controller
- 1 x USB Charging Cable
- 1 x Screwdriver
- 1 x User Manual

- 1 x Spare Tail Blade



Image: All components included in the SYMA S107H-E RC Helicopter package.

## PRODUCT OVERVIEW

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The SYMA S107H-E RC Helicopter features a durable alloy body and a compact design, making it suitable for indoor flight. It incorporates advanced features like Altitude Hold and 2.4GHz control for stable and responsive operation.



Image: Front view of the SYMA S107H-E RC Helicopter.

# Durability with Whole Metal Material



Alloy fuselage



Flexible blade

Image: The helicopter's dimensions and details of its durable alloy fuselage and flexible blades.

# Package:

- ✓ Helicopter toy (included the battery) x 1
- ✓ Remote control x 1
- ✓ Charging cable x 1
- ✓ Screwdriver x 1
- ✓ Manual x 1
- ✓ Spare tail blade x 1



Image: The compact and portable size of the SYMA S107H-E RC Helicopter, suitable for beginners.

## SETUP

### 1. Charging the Helicopter Battery

The helicopter comes with a built-in Lithium Ion battery. Before first use, fully charge the helicopter battery.

1. Connect the USB charging cable to the helicopter's charging port.
2. Connect the other end of the USB charging cable to a USB power source (e.g., computer USB port, USB wall adapter).
3. The charging indicator light on the USB cable will illuminate during charging and turn off when charging is complete.
4. Charging typically takes approximately 50-60 minutes. Do not overcharge.

**Portable Size  
For Beginners**



Image: Charging the helicopter using the provided USB cable.

### 2. Installing Remote Controller Batteries

The remote controller requires 4 x AA batteries (not included).

1. Open the battery compartment cover on the back of the remote controller.
2. Insert 4 x AA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

### 3. Pairing the Helicopter and Remote Controller

Follow these steps to pair your helicopter with the remote controller:

1. Ensure the helicopter battery is fully charged and the remote controller has fresh batteries.
2. Place the helicopter on a flat, level surface.
3. Turn on the helicopter's power switch (usually located on the bottom or side). The helicopter's lights will flash.
4. Turn on the remote controller's power switch.
5. Move the left throttle stick (left joystick) all the way up, then all the way down.
6. The helicopter's lights will stop flashing and remain solid, indicating successful pairing. You are now ready to fly.

## OPERATING INSTRUCTIONS

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### Basic Controls

- **Left Joystick (Throttle):**

- Push up to increase altitude.
- Pull down to decrease altitude.

- **Right Joystick (Directional Control):**

- Push up to fly forward.
- Pull down to fly backward.
- Push left to turn left.
- Push right to turn right.

- **Trim Buttons:** Use the trim buttons (usually located near the joysticks) to fine-tune the helicopter's stability if it drifts in any direction.

### One Key Take Off/Landing

The SYMA S107H-E features a convenient one-key take off and landing function, simplifying operation for beginners.

1. After pairing, place the helicopter on a flat surface.
2. Press the "One Key Take Off" button (often indicated by an arrow pointing up). The helicopter will automatically ascend to a stable hovering height.
3. To land, press the "One Key Landing" button (often indicated by an arrow pointing down). The helicopter will slowly descend and land automatically.

# Easy to Use for Beginners

## -- One Key Take off/land



Image: Demonstrating the one-key take-off and landing feature for easy operation.

### Altitude Hold Function

The altitude hold function allows the helicopter to maintain a stable height without constant throttle input, making it easier to control and ideal for beginners.

- Once the helicopter takes off, release the throttle stick. The helicopter will automatically hold its current altitude.
- You can then focus on directional control using the right joystick.

# Altitude Hold



Image: The helicopter maintaining a stable altitude thanks to the altitude hold function.

## High & Low Speed Modes

The SYMA S107H-E offers two speed modes to accommodate different skill levels.

- **Low Speed Mode:** Ideal for beginners, providing more stable and slower flight for easier control.
- **High Speed Mode:** Offers faster and more agile flight for experienced pilots.
- Press the speed switch button on the remote controller to toggle between low and high speed modes. The remote may beep to indicate the current mode.

## Low Battery Alert

When the helicopter's battery is low, the helicopter's lights will start flashing, and the remote controller may emit a "DiDi" sound. This indicates it's time to land the helicopter and recharge its battery.



Image: Visual and auditory indicators for low battery alert.

## MAINTENANCE

Proper maintenance will extend the lifespan of your SYMA S107H-E RC Helicopter.

- **Cleaning:** Use a soft, dry cloth to wipe down the helicopter after use. Do not use water or chemical cleaners.
- **Blade Replacement:** If a rotor blade is damaged, use the provided screwdriver to carefully replace it with the spare tail blade. Ensure the new blade is securely fastened.
- **Storage:** When not in use, store the helicopter and remote control in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries from the remote control if storing for extended periods.
- **Battery Care:** Recharge the helicopter battery periodically if not used for a long time to maintain its health.

## TROUBLESHOOTING

If you encounter issues with your SYMA S107H-E RC Helicopter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Helicopter does not respond to remote.	Not paired; low battery in helicopter or remote; remote not turned on.	Ensure both are turned on and paired correctly. Charge helicopter battery. Replace remote batteries.
Helicopter cannot take off or flies weakly.	Low helicopter battery; damaged blades.	Fully charge helicopter battery. Check blades for damage and replace if necessary.
Helicopter drifts during flight.	Needs trim adjustment; uneven surface for take-off.	Use trim buttons on the remote to stabilize. Ensure take-off surface is flat.
Helicopter crashes frequently.	Lack of experience; flying in too small an area; high speed mode.	Practice in low speed mode. Ensure ample clear space for flight.
Lights flashing and remote beeping.	Low helicopter battery.	Land the helicopter immediately and recharge its battery.

## SPECIFICATIONS

Key specifications for the SYMA S107H-E RC Helicopter:

- **Brand:** SYMA
- **Model:** S107H-E
- **Control Frequency:** 2.4GHz
- **Channels:** 3.5 Channel
- **Features:** Altitude Hold, High & Low Speed Modes, One Key Take Off/Landing
- **Body Material:** Durable Alloy
- **Recommended Age:** 8 years and up
- **Helicopter Battery:** 1 Lithium Ion battery (included)
- **Remote Controller Batteries:** 4 x AA batteries (not included)
- **Charging Time:** Approximately 50-60 minutes
- **Package Dimensions:** 10 x 6 x 4 inches
- **Item Weight:** 41.5 pounds
- **Country of Origin:** China

## WARRANTY AND SUPPORT

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For any questions, technical support, or warranty inquiries regarding your SYMA S107H-E RC Helicopter, please contact SYMA customer service. Refer to the product packaging or the official SYMA website for contact information.

**SYMA Official Website:** [www.symatoys.com](http://www.symatoys.com)

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