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› SYMA S107G 3 Channel RC Helicopter User Manual

SYMA S107G-B

SYMA S107G 3 Channel RC Helicopter User Manual

Model: S107G-B

PRODUCT OVERVIEW

The SYMA S107G 3 Channel RC Helicopter with Gyro is designed for stable and easy indoor flight, making it an excellent choice for beginners. Its durable construction and intuitive controls provide an enjoyable flying experience. This helicopter features Up/Down, Left/Right Turn, and Forward/Backward movements, enhanced by a built-in gyro for stability.

- S107 and S107G differ only in labeling. Either may be shipped.
- Stable Flight Characteristics
- Easy to Fly
- Great for Beginners
- Battery Type: Lithium Polymer (LiPO Battery), batteries for remote control not included
- Motor Type: Brushed



The SYMA S107G helicopter, its remote control, USB charging cable, and a small screwdriver.

PACKAGE CONTENTS

Upon opening the package, please ensure all the following items are present:

- Syma S107G 3.5 Channel RC Helicopter with Gyro (Blue)
- Lipo Battery (pre-installed in helicopter)
- USB Charger
- Spare Tail Blade



The SYMA S107G helicopter shown with its included USB charging cable.

SETUP AND FIRST USE

Remote Control Battery Installation

The remote control requires 6 AA batteries (not included). Open the battery compartment on the back of the remote control, insert the batteries according to the polarity markings, and close the compartment securely.



Front view of the SYMA S107G remote control, showing the joysticks and trim adjustments.

Charging the Helicopter

The helicopter is powered by a 3.7V 150mAh LiPO battery. Use the included USB charger to charge the helicopter. Connect the small end of the USB cable to the charging port on the helicopter and the USB end to a powered USB port (e.g., computer, USB wall adapter). The charging indicator light on the USB charger will typically turn off or change color when charging is complete. Charging time is approximately 30-60 minutes for a full charge, providing about 7-10 minutes of flight time.



A close-up view of the charging port located on the side of the SYMA S107G helicopter.

OPERATING YOUR HELICOPTER

Basic Controls

The SYMA S107G is a 3-channel RC helicopter, offering the following movements:

- **Throttle (Left Stick Up/Down):** Controls the helicopter's altitude (ascend/descend).
- **Yaw (Left Stick Left/Right):** Rotates the helicopter left or right on its vertical axis.
- **Forward/Backward (Right Stick Up/Down):** Moves the helicopter forward or backward.
- **Left/Right Turn (Right Stick Left/Right):** Tilts the helicopter to move left or right.



A user's hands demonstrating how to hold and operate the SYMA S107G remote control.

Indoor Flight Only

Due to its infrared control system and lightweight design, the SYMA S107G is strictly for indoor use. Outdoor conditions, even light breezes, can cause loss of control. Avoid flying near open windows, fans, or air conditioning vents.

Flight Tips

- **Smooth Movements:** Use gentle and smooth inputs on the joysticks for better control, especially with the throttle.
- **Trim Adjustment:** If the helicopter drifts or rotates on its own, use the trim buttons on the remote control to correct its flight path. Adjust the trim in the opposite direction of the drift.
- **Clear Area:** Ensure you have a clear, open indoor space free from obstacles, pets, and people before flying.
- **Landing:** Reduce throttle slowly to land gently. Avoid sudden drops.



A detailed view of the SYMA S107G helicopter, highlighting its main rotor blades and body design.



A close-up of the ON-OFF switch on the SYMA S107G helicopter's chassis.

Official Product Video: Unboxing & How to Fly

This video, provided by Tenenergy Corporation (Seller), demonstrates the unboxing process and provides initial instructions on how to fly the SYMA S107G helicopter.

MAINTENANCE AND CARE

- **Cleaning:** Regularly inspect the rotors and gears for dust, hair, or debris. Use a soft brush or cloth to gently clean these areas. Accumulation can affect performance.
- **Durability:** The helicopter is designed with a durable aluminum frame. While it can withstand minor crashes, repeated impacts may cause damage. Inspect for cracks or loose parts after any significant impact.
- **Storage:** Store the helicopter and remote control in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING COMMON ISSUES

Issue	Possible Cause	Solution
Helicopter does not respond to remote.	Low battery in helicopter or remote; not properly paired; infrared interference.	Charge helicopter battery; replace remote batteries; ensure clear line of sight between remote and helicopter; avoid strong light sources.
Helicopter drifts or spins.	Trim settings incorrect; minor damage to rotors.	Adjust trim buttons on the remote; check rotors for bends or damage and replace if necessary.
Short flight time.	Battery not fully charged; aging battery.	Ensure full charge cycle; consider replacing battery if performance degrades significantly over time.
Helicopter does not take off.	Low battery; debris in rotors; motor issue.	Charge battery; clear any obstructions from rotors; if issue persists, contact support.

TECHNICAL SPECIFICATIONS

Feature	Detail
Product Dimensions	17.8 x 7.3 x 3 inches (45.2 x 18.5 x 7.6 cm)
Item Weight	8 ounces (227 grams)
Item Model Number	S107G-B
Battery Type	1 Lithium Polymer battery (1S 150mAh 3.7V LiPO)
Motor Type	Brushed
Radio Control	3 Channel Infrared
Fuel Source	Electric

SAFETY GUIDELINES

- **Age Rating:** Recommended for ages 8 years and up. Adult supervision is advised, especially for younger users.
- **Indoor Use Only:** Never operate the helicopter outdoors.
- **Avoid Obstacles:** Fly in an open area free from people, pets, and fragile objects.
- **Battery Safety:** Do not overcharge or short-circuit the battery. Discontinue use if the battery appears swollen or damaged.
- **Rotor Blades:** Keep fingers, hair, and loose clothing away from the rotating blades.

Legal Disclaimer: Must be age 14+ for purchase and use without adult supervision.

WARRANTY AND CUSTOMER SUPPORT

Specific warranty information for the SYMA S107G helicopter was not provided in the product details. For any product-related inquiries, technical support, or warranty claims, please refer to the contact information provided by your retailer or the manufacturer, SYMA.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question