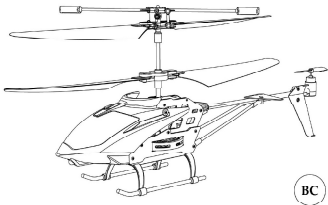


SYMA®

S5H

3 CHANNELS HEIGHT HOLD HELICOPTER



BC

3 USER MANUAL

MAIN FEATURES

- Solid body frame made from special crash resistant tough plastic.
 - Stable performance. Suitable for flying indoors.
 - Built-in gyroscope for more accurate and stable performance.
 - Modular design for easy upgrades and maintenance.
 - Improved height hold stability.
 - Improved auto take-off/landing function.
- Notes: This company will not be held responsible for any printing inconsistencies and may or may not inform users regarding any new potential updates. For further information, please visit the syma website.

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Foreword

Dear Customer:
Hello,
We appreciate for purchasing our products. For the safety reasons, please read the manual carefully. Keep the manual for future references.

Important

1. It must be operated with caution: improper operations may cause damage to property and/or individuals. We do not assume any liability for accidents as we can not control operation or the procedures for installation of parts.
2. The product is suitable for hobbyist who are over 8 years old.
3. Please fly in designated remote control model areas.
4. We take no responsibility of operation, usage, etc. after the aircraft has been sold.
5. Please contact the dealer for technical or/and after-sales service.

Safety Guide

- Remote control model is a high-risk product and we recommend operating it away from people. Physical injuries or property damages may be caused by: incorrect parts installations, damaged parts, defective electronic equipment, unfamiliar operations of the product. Please pay attention safety while operating the product. The pilot should understand and take the responsibility for accidents caused by his/her own negligence.
1. Operate the product away from obstacles and people.
 2. Operate/keep this product away from moist or wet places.
 3. RC product piloting requires specific skills. Do not operate this product on your own.
 4. Keep away from rotating parts. Keep this product away from heat sources.
 5. It is strongly recommended to follow correct on/off procedure. Inaccurate procedure may lead to physical injuries. Please, follow correct on/off procedure.
 6. Do not look directly into the drone LED lights as it can damage your eyes.
 7. To avoid interfering with air traffic control signal avoid flying the helicopter within 5000 meters of an airport. Avoid operating RC equipment during the periods set by the local authorities.
 8. Non-rechargeable batteries should not be recharged; Batteries should be inserted with a correct polarity. Different types of batteries, new or used batteries should not be mixing.
 9. The supply terminals should not be short-circuited.
 10. Only use the intended charger.
 11. Attention: Drone assembly under adult supervision.
 12. Open the battery cover of the toy with screwdriver.
 13. The packing has to be kept since it contains important information.
 14. Do not touch the rotating rotor, avoid loose clothing or hair that could be caught in the rotor, do not fly near the face.
 15. Advice to keep the instructions for use.

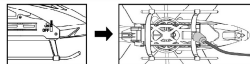
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Box Contents

Items included:

- Helicopter
- Transmitter
- Tail motor blades
- User Manual
- USB Charging Cable

Charging the Helicopter



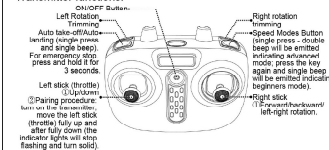
Charging instructions:
Switch off the helicopter (power switch is at the top of the helicopter), insert the charging cable into a USB port on your computer (the charging cable indicator light will turn on); connect the charging cable to the helicopter (the charging indicator light will go on), the charging time is about 60 minutes, unplug the charging cable when the light turns on.

The charging time is about 60 minutes; flying time is about 7 minutes.

- Rechargeable batteries should be removed from the toy before being charged.
- Rechargeable batteries should only be charged under the supervision of adults.
- Exhausted batteries should be removed from the aircraft.
- Caution: Risk of explosion if battery is replaced with incorrect ones. Please dispose the batteries according to the instructions.

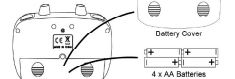
Understanding the Transmitter

Transmitter functions:



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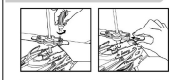
Installing transmitter batteries:



Transmitter battery installation: open the battery cover at the back of the transmitter. Install 4pcs AA batteries according to the polarity indications (Note: batteries are not included).

1. During the battery installation, it must be ensured that the polarities of the batteries are matched with that of the battery box. No battery shall be installed with the opposite polarity.
2. Please do not use new and old batteries together.
3. Please do not use different types of batteries together.
4. Do not use rechargeable batteries.

Re-installing the Blades



1. Remove the screws before re-installing the blades.
2. A labeled blades fit on the A labeled motors, B labeled blades fit on the B labeled motors. Use the screws to tighten the blades. Refer to the image.

Installing/replacing the tail motor blade:



Pull aside the tail motor blade. Align new tail blade with the motor and push it firmly on the motor shaft.

Preparation for Flight



Step 1: Turn on the transmitter.

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Step 2: Turn on the helicopter.

Step 3: After the helicopter indicator lights start flashing slowly, move the throttle stick to the highest position and then to the lowest position. The transmitter will emit long beep and the helicopter indicator lights will turn solid indicating successful pairing. The helicopter is ready for take-off.

To start the helicopter

Method 1: After starting the helicopter, pushing the left joystick to the highest point and then returning to the centre, the helicopter blades rotate slowly.

Method 2: When the helicopter is at rest, press the one key button and the helicopter blades will automatically rise to a certain height after slowly rotating.

Tip: For stable performance, it is recommended to place the helicopter on a flat level surface before take-off.

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Left/right rotation
When the right stick is moved left/right the helicopter will rotate left/right.

Forward/Backward
When the right stick (directional stick) is pushed up/down the helicopter will fly forward/backward.

If the helicopter begins to rotate quickly while hovering (left stick is not moved left/right), please adjust the trim button on the transmitter until the helicopter starts hovering as normal.

Counter clockwise rotation
If the helicopter rear and motor spins clockwise making the helicopter unstable, please press the right trimming button on the transmitter until the helicopter regains stability.
Notice: Make sure the rear end of the helicopter faces the pilot.

Clockwise rotational trimming button

Counter clockwise rotational trimming button

Clockwise rotation
If the helicopter rear and motor spins counter clockwise making the helicopter unstable, please press the right trimming button on the transmitter until the helicopter regains stability.
Notice: Make sure the rear end of the helicopter faces the pilot.

Height Hold
Use the left stick (throttle) to achieve the desired height and after allow the left stick to fall back to its default middle position.

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Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

"This device complies with FCC radiation exposure limits set forth for general population (uncontrolled exposure). This device must not be collocated or operating in conjunction with any other antenna or transmitter."

Declaration of Conformity Inserts:
"Hereto, Guangdong Syma Model Aircraft Industrial Co., Ltd. declares that this drone is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU."

Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement in portable exposure condition without restriction.

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Product Main Parts and Components

Serial Number	Component/Part Name	Quantity	Serial Number	Component/Part Name	Quantity
01	Receiver Board	1	15	Main Frame Top Right Part	1
02	Connective Parts	2	16	Main Frame Bottom Left Part	1
03	Main Motor	1	17	Main Frame Bottom Right Part	1
04	Top Blade Clip	2	18	Main Gear	1
05	Top Blade Blade	1	19	Canopy	1
06	Top Blade	1	20	Top Motor Blade	1
07	2.5 Stainless Steel Tube	1	21	Rotor A	1
08	Bottom Blade Clip	1	22	Rotor B	1
09	Bottom Blade	1	23	Top Drive Gear	1
10	Bottom Blade	2	24	Bottom Drive Gear	1
11	4.5 Stainless Steel Tube	1	25	Landing Skids	1
12	Main Frame Top Left Part	1	26	1st Boom	1

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Accessories/Parts (Optional)

Please, look through the parts below. For your convenience, we have specified every part and accessory. The parts and accessories can be purchased through local distributors. Please specify desired colours at the time of purchase.

SSH-01A Canopy-Black	SSH-01B Canopy-Red	SSH-02A Stabilizer-Black	SSH-02B Stabilizer-Red
SSH-03A Blade	SSH-03B Tail Motor Blade	SSH-04 Main Gear Disk	SSH-05A Distance Beam
SSH-05B Connective Parts	SSH-06 Landing Skids-Black	SSH-07 Drive Gears	SSH-08 Blade Clips
SSH-09 Main Rotor Assembly	SSH-11 Tail Component	SSH-12 Main Frame Body Plates	SSH-13A Rotor A
SSH-13B Rotor B	SSH-14 Battery	SSH-15 Receiver	SSH-17 Transmitter
SSH-18 USB Charging Cable			

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Main Specifications

body length: 23cm
body width: 4cm
body height: 10.5cm
main blade diameter: 18cm
motor size: Ø6
Battery : 3.7V 100mAh lithium battery

Troubleshooting

Problem	Reason	Solution
The drone does not respond.	1. The drone has activated low voltage battery protection. 2. The transmitter's battery is low, the transmitter indicator light flashes. 3. The remote control channel cannot be paired with the helicopter's pairing code.	1. Recharge the drone's battery. 2. Change the transmitter's battery. 3. Adjust the remote control channel to make it match with the helicopter pairing code.
The transmitter sticks are not sensitive.	1. The transmitter battery is low. 2. There is another transmitter with the same frequency causing interference.	1. Change the transmitter's battery. 2. Please change flying location.

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Manufacturer:
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Fax: +86 0754 86395088
Website: www.symatoys.com
Email: syma@symatoys.com

The company has the right of final interpretation of this user manual.