



AEROLUME HELICOPTER



User Manual

S9

- 7 Light Patterns
- Easy to fly with 1 button take-off/landing and auto-hover
- 5 Preprogrammed flight pattern
- 17 min. flight time

Accreditation standard: GB/T26701-2011

The materials, specifications, parts and packaging mentioned in this manual are for reference purposes only. We are not responsible for any changes made to this printed material, nor are we able to inform customers of any updates or changes. Please refer to our website: R3VOLT.com for the latest information.

Important safety information

Thank you for purchasing this REVOLT item. To ensure that you operate the aircraft correctly, please read these instructions carefully before first use and store them in a safe place for future reference.

Safety Information:

Conditions to be observed when using AEROLUME HELICOPTER:

- The AEROLUME HELICOPTER should be used with caution as skill is required to control the flight and avoid collisions with the user, objects, or third parties. Users should be aware of their surroundings and fly the helicopter.
- Keep the smaller-sized accessories out of reach of children.
- Children must be supervised by an adult when operating the aircraft. The aircraft should always remain within the line of sight of the pilot (or instructor).
- This aircraft can move quickly. When flying for the first time, push left joystick up slowly to prevent the aircraft from ascending too rapidly and causing damage or collisions.
- When the helicopter is airborne, it should be kept at least 2-3m away from the pilot and other people to avoid the risk of a collision.
- Maintain a safe distance from the spinning propellers! Do not fly near the face. Do not touch the rotating propellers, avoid loose clothing or hair that can be caught in the propellers.
- In order to prevent interference with air traffic control systems, it is forbidden to use remote controls within a 5,000m radius of an airport runway (calculated from the centre of the runway). Always comply with remote control restriction orders issued by national authorities.

Battery safety and maintenance:

- Do not recharge non-rechargeable batteries. When installing or changing the batteries, ensure that they are connected in the correct polarity. Do not mix old and new batteries or different types of batteries.
- Do not short circuit the battery terminals.
- You must only use the transformer included with AEROLUME HELICOPTER for charging the helicopter battery. The transformer is not part of the helicopter itself. Before cleaning the helicopter or battery, ensure the battery is first helicopter disconnected from the transformer or charger.
- Regularly inspect the transformer wires, plug socket, outer casing, and other accessories for any signs of damage. If any damage is found, discontinue use immediately until the fault has been repaired.
- Do not store the battery in a hot environment (e.g. near open flames or a heating device).
- When the flight has ended, switch off the remote control before switching off the power on the aircraft.
- After use, ensure that the helicopter and remote control are switched off and remove the batteries in the remote control.
- If you do not plan to use the helicopter for at least 10 days, discharge the battery to 40%-50% (i.e. if the battery is fully charged, fly the helicopter for half of the total flight time). This helps to prolong the lifespan of the battery.

Repair and maintenance:

- Clean the Helicopter with a clean, soft cloth.
- Avoid exposing the helicopter or battery to direct sunlight or heat.
- Do not submerge the helicopter or battery in water, as this may damage the electrical components.
- Regularly inspect the propellers, motor and battery. If there are any signs of damage, discontinue use immediately until the fault has been repaired.

About this product

Specifications

- **AEROLUME HELICOPTER:**

Helicopter Weight:	Approx. 44.3 g
Dimensions:	226x190x108 mm
Flight range:	Approx.20 m (appr.60ft)
Flight time:	Approx.17 mins
Battery:	3.7 V, 400 mAh
Battery Charging time:	Approx. 120 min

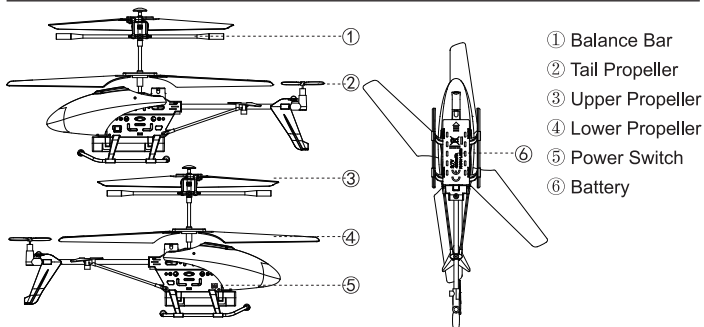
- **REMOTE CONTROL:**

Operating frequency:	2.4 GHz
Operating temperature:	0°C to 40°C

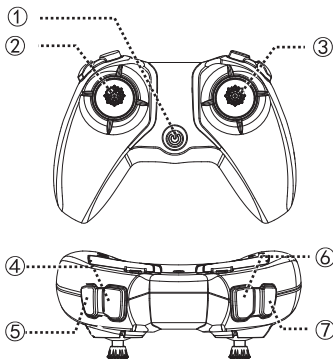
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Aircraft components

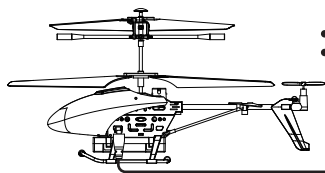


Remote control components



- ① ON/OFF Button
- ② Left joystick (up/down)
- ③ Right joystick
(right/left/forward/backward)
- ④ Stunt Button A
- ⑤ Stunt Button B
- ⑥ Speed/light trim button
- ⑦ One-key take-off/landing
(hold for 3 seconds for auto
take off or landing)

Charging the Helicopter battery:



- Battery is charging: Indicator lights constant
- Battery is fully charged: Indicator light is off

* Charge the helicopter with the USB charging cable that came with the product.

* Using adapters with a lower rated current will result in a longer charging time.

* The toy is only to be connected to Class II equipment bearing the symbol

* Do not short circuit or compress the battery, as this may cause an explosion.

* Do not disassemble the battery or store it in a hot environment.

* Rechargeable batteries should be removed from the aircraft or remote control before charging.

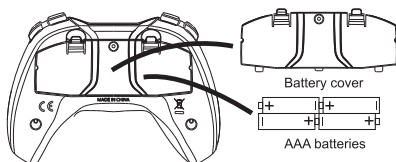
* Rechargeable batteries should only be charged under the supervision of adults and keep away from flammable materials.

* Exhausted batteries should be removed from the aircraft or remote control.

* Caution: Risk of explosion if battery is replaced with incorrect ones, please install the batteries according to the instructions.



Inserting the remote control batteries:



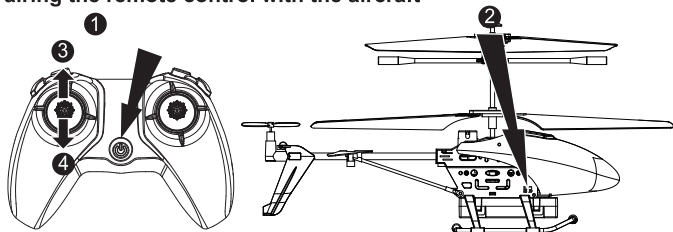
To insert the controller batteries, open the battery cover on the back of the remote control and insert 4 x AAA alkaline batteries, ensuring that you observe the polarity markings (batteries are not included and must be purchased separately).



1. When installing the batteries, ensure that you match the + and - ends of the battery with the + and - signs on the controller.
 2. Do not mix old and new batteries.
 3. Do not mix different types of batteries.
-

Flight preparation and turning the aircraft on/off

Pairing the remote control with the aircraft

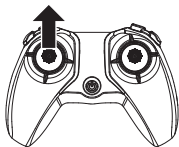


1. Press the power button on the remote control.
 2. Push the power button on the helicopter to "ON".
 3. Move the left joystick up to the highest point.
 4. Move the left joystick to the lowest point.
-

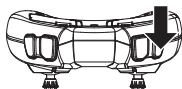


After moving the left joystick up and down, the lights on the helicopter will stop flashing. When the lights stop flashing, the helicopter and remote control are paired.

Taking off/Starting flight



Method 1: Push the throttle up.



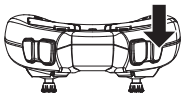
Method 2: Press the one-key take-off/landing button (hold for 3 seconds).

Note: 1. If the helicopter is flown out of range of the remote control, the indicator lights will flash slowly and the helicopter will land.
2. If the remote control suddenly turns off or runs out of power during flight, the helicopter will automatically land. If the remote control is turned back on during this process, you will be able to regain control of the helicopter.

Landing the Helicopter

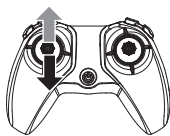


Method 1: Pull the throttle down.



Method 2: Press the one-key take-off/emergency stop button (hold for 3 seconds).

Using the remote control



Ascend



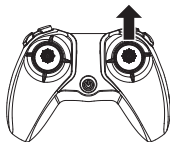
Descend



Left Turn



Right Turn



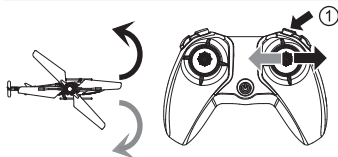
Forward



Backward



Trimming

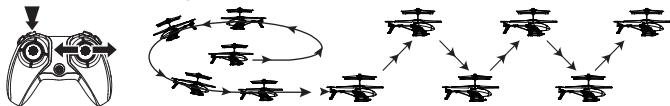


Left/Right Turn Trim Control

When the helicopter hovers in the air and begins to rotate automatically to the left or right, hold down this button ① and push the right joystick in the opposite direction of the unwanted rotation (right or left) to correct it. Once the helicopter stabilizes, you can release the left joystick.

Preprogrammed Flight Manoeuvres

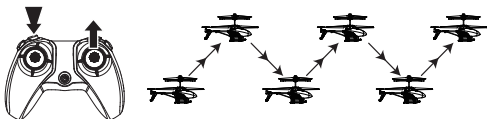
Automatic Circle Flight:



Hold down stunt button A and push the right joystick to the left or right. The helicopter will fly in a circle in that direction and then perform three bunny hops.

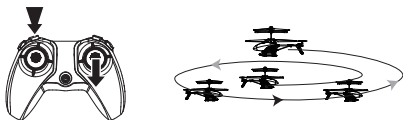
Bunny Hops:

Hold down Stunt Button A and push the right joystick up. The helicopter will perform three forward jumps.



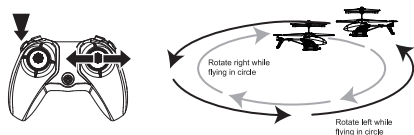
Expanding Spiral Flight:

Hold down Stunt Button A and push the right joystick down. The helicopter will execute an increasing diameter spiral flight starting narrow with a diameter of about 0.3 meters (1 ft) and ending with a diameter of about 1.2 meters (4 ft).



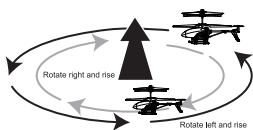
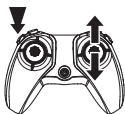
Circular Flight:

Hold down Stunt Button B and push the right joystick to the left or right. The helicopter will fly in a circle in that direction with a diameter of about 1.2 meters (4 ft).



Ascending descending corkscrew flight

Hold down Stunt Button B and move the right joystick upward, the aircraft will rotate left and rise upward before descending. Hold down Stunt Button B and move the right joystick downward, the aircraft will rotate right and rise upward before descending.



Function Introduction

Low Voltage



Low Voltage Protection:

When the helicopter's indicator light starts flashing, it indicates low battery power. At this point, please land the helicopter and charge the battery.



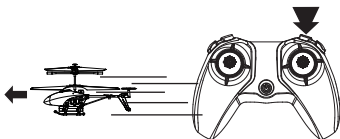
Overcurrent Protection

If the helicopter's blades are rotating and encounter a collision or get stuck, the helicopter's circuitry will activate overcurrent protection and stop until the obstruction is cleared.



Level Calibration Function

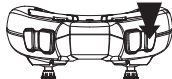
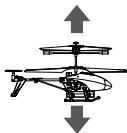
Place the helicopter on a flat surface. Push the left joystick down and the right joystick to the bottom right corner, holding them there for about 3 seconds. The helicopter's indicator light will flash quickly, then remain steady, indicating successful calibration.



High/Low Speed Mode

Short press this button to switch high and low-speed modes.

1. When powered on, the default is low-speed mode.
2. The remote control will emit two beeps for high-speed mode and one beep for low-speed mode.



One-Key Takeoff/Landing and Altitude Hold

Press and hold this button for 3 seconds to take-off or land.



Altitude Hold

When you release the left joystick (throttle) after ascending/descending, the quadcopter will continue to hover at the current height.



Multicolour Light Controls

Press and hold this button while simultaneously, moving the right joystick upwards. This will change the light colour in the helicopter body and tail.

The light colour will change each time the joystick is moved upwards. There are 7 light patterns. After cycling through all colours, the eighth option is "lights off".

Trouble Shooting

Problem	Reason	Solution
Helicopter is unresponsive	1. The helicopter has entered low voltage protection mode. 2. Remote control battery is low; the power indicator will flash.	1. Charge the helicopter. 2. Replace the remote control batteries.
Helicopter response is intermittent	1. Remote control battery is low. 2. Another remote control with the same frequency is causing interference.	1. Replace the remote control batteries. 2. Move to an area without frequency interference.
Drifts to one side during hover	The helicopter is not calibrated level to the ground	For details, see page 7 "Level Calibration"
The helicopter does not hover properly/the helicopter keeps moving up and down	1. The helicopter is not calibrated level to the ground. 2. The air pressure is unstable due to poor weather conditions. 3. A violent collision corrupted the gyroscope's settings.	1. Recalibrate the helicopter. For details see page 7 "Level Calibration". 2. Avoid flying in poor weather. 3. Recalibrate the helicopter. For details see page 7 "Level Calibration".

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."

RF frequency band :2408-2472MHZ

Transmitter power : -3.73dBm (Max.)

Sold to EU country

product name: [Drone]

model number: [S9A]

Brand name :SYMA

Contact person: Ivan

Tel:+86-0754-86381701

Hereby, [GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO., LTD], declares that this [aircraft] is in compliance with Directive 2014/53/EU.The full test of the EU declaration of conformity is available at the following internet address:

<http://www.symatoys.com/down/declaration-of-conformity.html>

SIMPLIFIED EU DECLARATION OF CONFORMITY

FCC Statment for Remote Control:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

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

FCC Statment for Aircraft:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

Radiation Exposure Statement

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance of 20cm from your body.

Manufacturer:
Guangdong SYMA Model Aircraft Industrial Co., Ltd.
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The company has the right of final interpretation of this user manual.