



嘉创智空

快速入门指南

QUICK START GUIDE

JCZK-300C 6S INTELLIGENT REALISTIC HELICOPTER

Thank you for buying and using



PREFACE

JCZK-300C 6S像真机

Thank you for choosing this product. In order to make it easier and more convenient for you to use and safely operate this helicopter, please read this manual in detail before operating it. At the same time, please keep this manual properly for future adjustments and adjustments. Reference for maintenance.

DISCLAIMER

1: This product is not suitable for people under 18 years of age. Please don't let children touch the helicopter. Please pay special attention when operating in scenes with children.

2: **This product is not a toy but a professional model helicopter.** It is a precision equipment that integrates mechanical, electronic, aerodynamics and other professional knowledge. It can be provided when the assembly and debugging are intact, the power supply is working normally, and the components are not damaged. A relaxed flying experience.

3: The owner of the product must use a safe way to operate and control. Improper operation may cause serious property damage and personal injury. Please read this manual carefully before use, and be sure to pay attention to your own safety.

4: **Attention!** Helicopter manufacturers and sellers are unable to bear any responsibility for accidents caused by the user's abnormal use of parts or improper assembly. As the user of this product, "you" is the only one who is fully responsible for your own operating environment and behavior. The responsible person.

5: **This product is a consumable product that requires high operation technology. After use, it will cause varying degrees of parts loss. Any use of the product will cause the product to be defective or unsatisfactory, and it will not be able to be replaced with a new product or returned;** if there is any operation, For maintenance issues, the company will provide technical support and all parts supply and return to the factory for repair services; damage, accident or injury caused by improper use, setting, assembly, modification, and poor operation of the user is beyond the control of the company. Responsible, all responsibilities shall be borne by the user.

6: The laws of some countries may prohibit exemption of guarantee clauses, so your rights in different countries may be different.

7: In compliance with laws and regulations, the company has the final right to interpret the above terms, and the company has the right to update, revise or terminate these terms without prior notice.

CAVEAT

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This product is relatively complicated and requires a period of familiarization before it can be used safely. Be sure to read the entire manual carefully, understand the basic knowledge of the helicopter, and be familiar with the functions of the product before operating; improper operation may cause product damage and property loss, or even if you cause serious injury to yourself or others, the operator must pay attention to flight safety.

Do not use accessories that are not provided or recommended by the company. You must strictly follow the company's guidelines to install and use the product. This manual contains safety, operation and maintenance, etc.; be sure to read all the contents of the manual carefully before assembling, setting and using.

Before starting to use, you have read and understood all the contents of this manual.

FLIGHT ENVIRONMENT REQUIREMENTS

JCZK-300C 6S像真机

1: When flying, please keep in sight and control, stay away from obstacles, crowds, water (it is recommended to be more than 3m away from the water), etc.; avoid improper control and cause property damage to yourself and others.

2: Do not operate in severe weather such as strong wind (10 meters per second), rain, thunder, snow, foggy weather, etc., to ensure the safety of yourself and the body.

3: Choose a place where the ground is flat and open, free of debris, and there are no tall buildings or high-voltage wires around as the flying site. A large number of steel-reinforced buildings will affect the work of the compass, and will block the GPS signal, resulting in poor or even impossible helicopter positioning. Positioning: It is recommended that the helicopter be at least 5m away from the building.

4: Do not fly in areas with high-voltage lines, communication base stations or transmission towers to avoid interference with the remote control.

5: The interior of the helicopter is composed of many sophisticated electronic components. It must be absolutely protected from moisture and water vapor, avoid using it in rainy days, and prevent water vapor from entering the fuselage and causing mechanical and electronic component failures, causing unpredictable accidents.

Before the flight

- 1: Make sure to be familiar with the remote control control method, familiar with the helicopter search star unlocking steps, flight mode, one-key return to home, etc.
- 2: Check to make sure that the blade counterweight is stable and balanced; whether the blade is damaged or worn, especially the end of the blade. If there is any damage, please replace the corresponding accessories.
- 3: Before each flight, be sure to check carefully to make sure that the main rotor clamp seat, horizontal shaft, tail rotor clamp seat screws, as well as the ball heads and screws of various parts of the fuselage, have been properly tightened and have not been loosened or dropped. Check and determine the control links of the connecting rod Only when there is no loose clearance, can the aircraft be lifted and fly.
- 4: Check to make sure that the body and gears are not worn or deformed. If they are damaged, please replace the corresponding accessories.
- 5: Check to make sure that the flight controller, GPS and the fuselage are horizontally fixed and stable (the flight controller and GPS can be glued tightly with shock-absorbing foam, so that it has a better shock-absorbing effect and cannot be rigidly locked with tape ties or other items, otherwise Excessive vibration may cause loss of control).
- 6: Ensure that the helicopter and the remote control battery are sufficiently charged [the new battery has only a small amount of electricity from the factory, please be sure to fully charge it before using it]!
- 7: Check to make sure that all the steering gears move smoothly. If the steering gear moves incorrectly or malfunctions, it will cause the helicopter to lose control.
- 8: If there is abnormal jitter after starting, please turn off the throttle switch immediately and check the source of the problem.

In flight

- 1: The remote control cannot be too close to the receiver, otherwise it will automatically trigger out of control.
- 2: Flying within the line of sight (VLOS).

- 3: Do not make calls, send text messages, or use other mobile device functions that may interfere with your helicopter operation during the flight.
- 4: Do not operate the helicopter in poor physical or mental conditions such as drinking, taking drugs, drug anesthesia, dizziness, fatigue, nausea, etc.
- 5: Please pay attention to the battery voltage of the aircraft at all times during the flight. Please return as soon as possible when the battery is low. [Seriously low battery power of the aircraft will cause the helicopter to lose power and crash].
- 6: After starting the helicopter motor, the propeller will rotate at a high speed, which is dangerous. The operator should keep a certain distance from the helicopter, and at the same time, keep the helicopter away from people, buildings, trees or other obstructions to avoid collision.
- 7: Do not stop the motor during the flight, otherwise the helicopter will crash [unless a special situation (such as the helicopter may crash into a crowd) requires an emergency stop of the motor to minimize damage].
- 8: In the process of losing control and returning to home, if the signal of the remote control is normal, the helicopter can be controlled to land through the remote control.
- 9: When using the return home mode, you should always be prepared to switch the remote control F (return home) switch to exit the one-key home return to manually control the helicopter in an emergency.
- 10: Please maintain control of the helicopter throughout the process, and do not rely too much on the GPS positioning system; in a specific flight mode or a specific flight environment, the GPS system will not work normally, and functions such as intelligent return to home will not be available. Please rely on naked eyes to observe, which is reasonable. Judge the flight status, avoid obstacles in time, and select the flight mode according to the flight environment.

After the flight

- 1: Unplug the helicopter battery after landing; then turn off the power of the remote control to avoid losing the signal of the remote control.
- 2: Avoid prolonged exposure or heat exposure of this product in the sun.
- 3: Do not immerse this product in water, otherwise the electronic parts will be damaged.
- 4: Regularly check the screws, blades, gears and other accessories. If you find any damage, please stop using it immediately until it is completely repaired.

PRODUCT LIST

JCZK-300C 6S像真机



Radiolink
AT9S Pro remote control



1350mAh battery



*Gifts
model airplane simulator



B6 charger



Paddle

EMULATOR

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Note: The model airplane helicopter has strong power and does not allow any abrasion or collision, otherwise it will not be able to fly normally. Please be careful to control it.

after receiving the helicopter, please do not rush to fly, please practice the simulator first, and you can quickly familiarize yourself with the joysticks of the remote control. Function, familiar with the operating principles of model airplane helicopters, and practicing basic control techniques will greatly reduce the chance of bombing caused by operating errors!



Simulator installation video tutorial (Youku scan code to watch)

If the computer does not have a CD-ROM drive, please use Baidu Netdisk to download the emulator (same as the CD-ROM content), directly with a CD-ROM

Use the CD to install.

Baidu network disk download link: <https://pan.baidu.com/s/1LCkGAajJzkXtMJeJAQiQPA>

Extraction code: 3e19

CHARGING INSTRUCTIONS

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The battery has only a small amount of electricity when it leaves the factory, and it needs to be fully charged before it can be used. Please use the B6 charger to fully charge it.



B6 charger using video tutorial
(Youku scan code to watch)

PRECAUTIONS FOR USING THE B6 CHARGER

- 1: To ensure safety, someone must be present when charging.
- 2: Please find a suitable platform to place your charger and lithium battery, away from flammable and explosive materials, and reserve a fire-proof space.
- 3: The charger will heat up after long time use, please use it in a ventilated place.

PRECAUTIONS FOR THE USE OF LITHIUM BATTERIES

- 1: The battery has only a small amount of electricity when leaving the factory. Please be sure to use a standard lithium battery for balanced charging. After fully charged, the lithium battery should be stored for half an hour, and the charging performance is stable before use, otherwise it will affect the battery performance!
- 2: Develop the habit of frequently measuring voltage during use. It is best to test the voltage before and after use to understand the changes in battery voltage.
- 3: Model airplane lithium battery is a non-smart battery and has no low-voltage protection function. Do not use it until the device is not running before powering off. Excessive discharge will cause direct damage and swelling of the battery. It is generally recommended that the single-chip battery should not be lower than 3.6V when the battery is used. , The minimum shall not be lower than 3.3V.
- 4: Do not overcharge.
- 5: Avoid discharging until the equipment is not running, and then store it directly without disconnecting the battery and equipment after use.
- 6: When the lithium battery is not used for a long time, it should be charged with 50%–80% of the power. During the long-term storage of the battery, it is recommended to check the voltage once 1–2 weeks and charge it once 2–3 months. The storage voltage of the battery should be within Within the range of 3.8–3.9V, so as to avoid too long storage time, the battery will be too low due to self-discharge, causing irreversible capacity loss!
- 7: The self-discharge of the lithium battery is affected by the ambient temperature and humidity. High temperature and humidity will accelerate the self-discharge of the battery. It is recommended to store the battery in a dry and cool environment with a temperature of 10–25°C!
- 8: Do not continue to use the bulge, which poses safety risks.
- 9: Do not mix the battery with metal objects, lest metal objects touch the positive and negative poles of the battery, causing short circuit, damaging the battery or even causing danger.

BATTERY INSTALLATION METHOD

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Detailed battery installation
(Youku scan code to watch)

GET TO KNOW YOUR REMOTE

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Please do not arbitrarily adjust the parameters of the remote control, which will cause confusion in the remote control data, and you will not be able to start your helicopter. You need to send it back to the original factory for debugging!

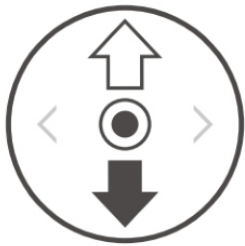


Channel fine-tuning is always maintained at zero

*This remote control is a multi-function remote control, suitable for all models
The unmarked lever has no function, the position is up by default (optional)

Joystick function: American hand

Left stick



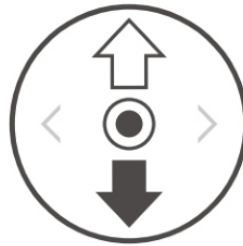
Rise



Decline



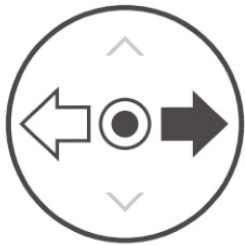
Right stick



Go ahead



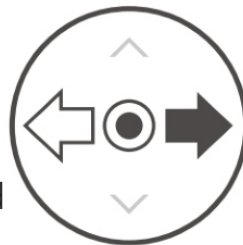
Back



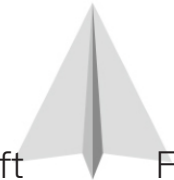
Left hand



Right hand



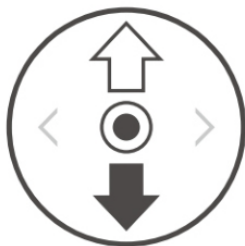
Fly left



Fly right

Joystick function: Japanese hand

Left stick

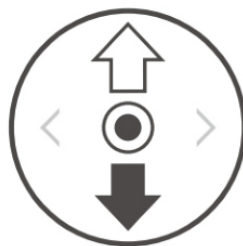


Go ahead



Back

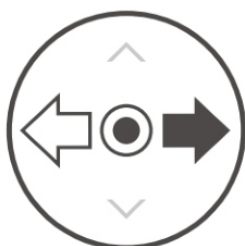
Right stick



Rise



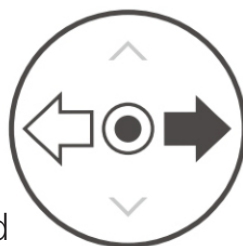
Decline



Left hand



Right hand



Fly left



Fly right

The default control mode of the remote control is the American hand when it leaves the factory. This manual uses the American hand as an example to illustrate the control method of the remote control.

Unlock search star/must be operated outdoors to have GPS signal

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1: First make sure that the throttle switch A is off (toward the person), the F switch one-key return is off (toward the ground), the flight mode of the G switch is selected as self-stabilization (toward the ground), and the fine-tuning is maintained at 0 position.



Channel fine-tuning is always maintained at zero



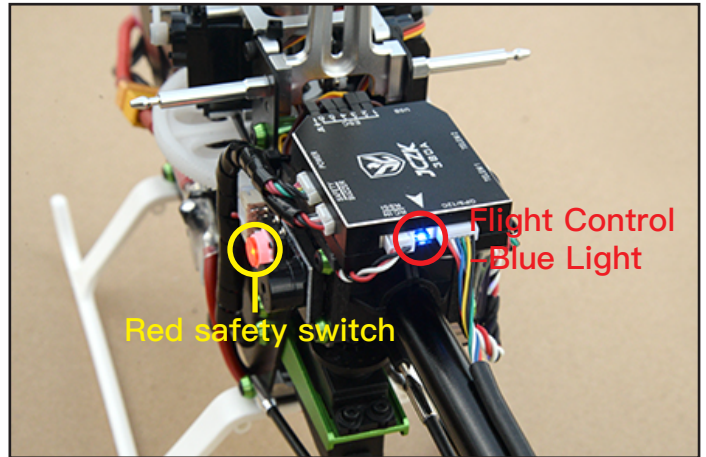
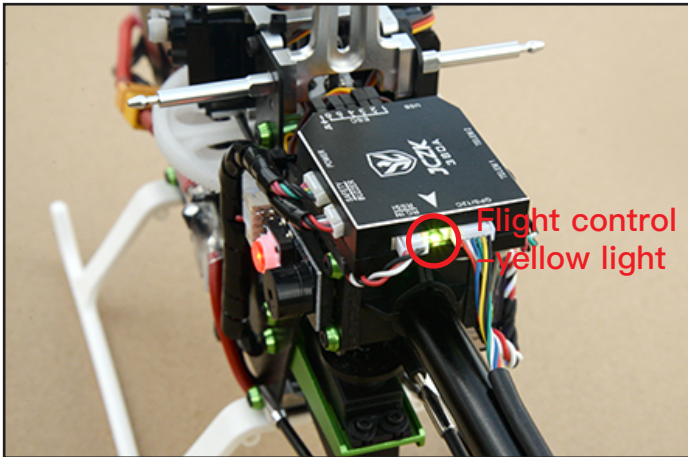
1: During the flight, do not stop the motor, or the helicopter will crash. Unless there is a special situation (such as the aircraft may crash into a crowd), the motor needs to be stopped urgently to minimize damage.

2: The helicopter will not be able to take off if the battery is low.

3: After starting the helicopter motor, the propeller will rotate at a high speed, which is dangerous. The operator should keep a certain distance from the helicopter, and at the same time, keep the helicopter away from people/trees/buildings to avoid collision and loss.

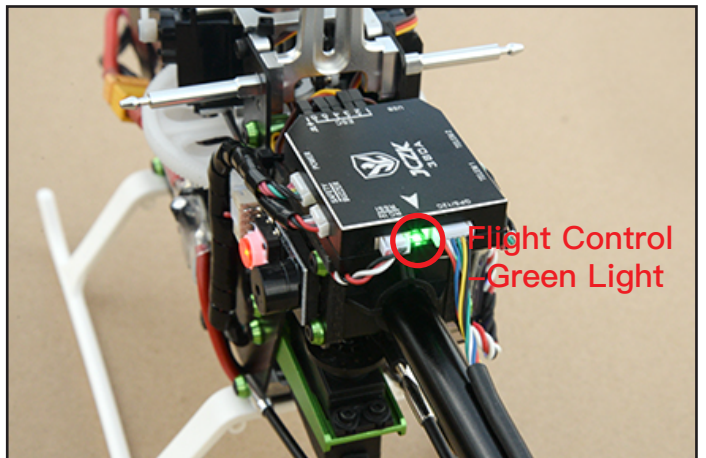
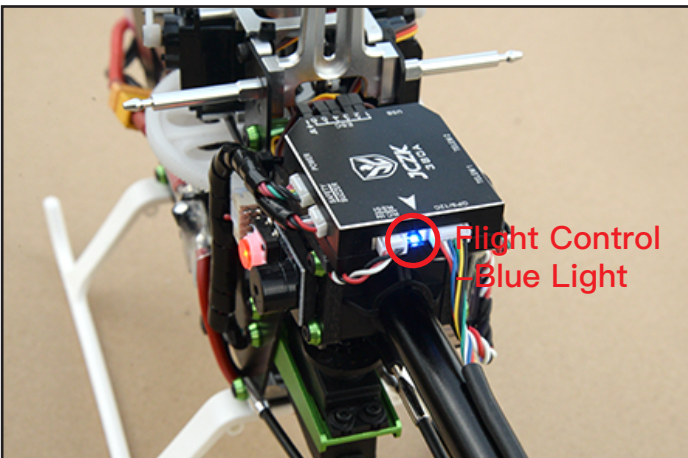
2: Turn on the power of the remote control, and then power on the helicopter; wait for the flight control to self-check, the flight control light changes from yellow light to blue light, press and hold the red safety switch until it stays on.

If the flight control keeps the yellow light, check whether the remote control lever is in the correct position before starting the control, whether the fine-tuning is maintained at 0 position, and measure whether the helicopter battery is fully charged, etc.



3: In the auto-stabilization mode, wait for the flight controller to change from flashing blue light to flashing green light, then toggle the G switch to switch to fixed-point mode, the flight control will turn to flashing blue light again, and the blue light flashes in fixed-point mode. Continue to wait. Wait for the flight controller to flash green again in fixed-point mode, and then toggle the G switch to switch between auto-stabilization/fixed-point/headless to ensure that the green light is always flashing when switching, indicating that the GPS signal is stable and you can unlock it.

Normally, the green light flashes slowly to unlock. If the green light flashes quickly, it means that the GPS signal is good.



Please note: Please ensure that the green light is always flashing in the auto-stabilization/fixed-point/headless mode, otherwise the helicopter will not be able to locate, drift, return home will have a large deviation, and even lead to loss of control.

Many model friends are in auto-stabilization mode and the green light of the flight control flashes, and then immediately switch to fixed-point mode. The flight control unlocks the takeoff without waiting for the green light of the fixed-point mode, so after take-off, it will drift, unable to hover at fixed point, and unable to find the direction with one key return. !!!

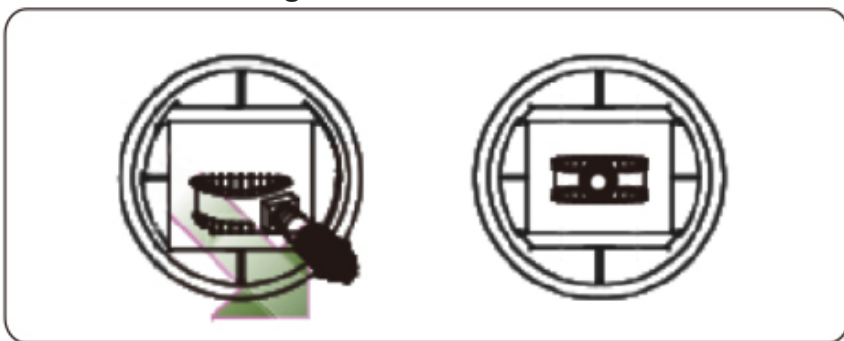
The self-stabilization mode is manual mode. It can fly without GPS signal. It will drift after takeoff and need to adjust the balance manually. It is suitable for old players to fly or novices who are proficient in advanced flight. Pure novices can't control it. It's easy to blow up. Novices can't directly. Flight self-stabilization mode.

4: G switch flight mode stays in fixed-point mode, **hit the throttle stick (default left stick) to the bottom right corner to keep it, let go after the green light of the flight control is always on, and immediately (within 10 seconds) turn on the A throttle switch after letting go** When it is turned on, the helicopter will accelerate slowly. After the speed is stable for about 10S, **slowly push up the throttle stick**. After taking off to the desired height, release the throttle and the aircraft can keep hovering at a fixed point, and you can perform front, back, left, and right operations. Up.

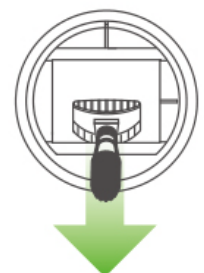
Don't be too rushed during the whole process, so that it will not drift after takeoff, and can accurately perform fixed-point hovering, one-key return, and automatic return when the signal is interrupted.

Throttle stick (default left stick) hit the bottom right corner hard to the end

Slowly push up the throttle stick





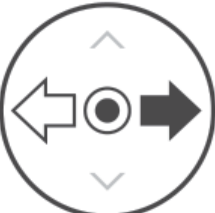
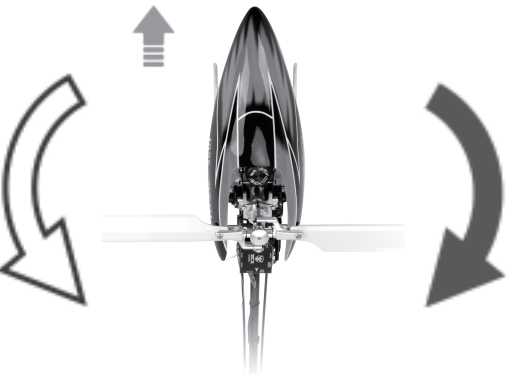


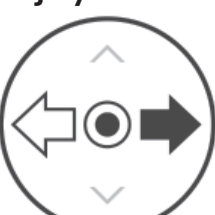
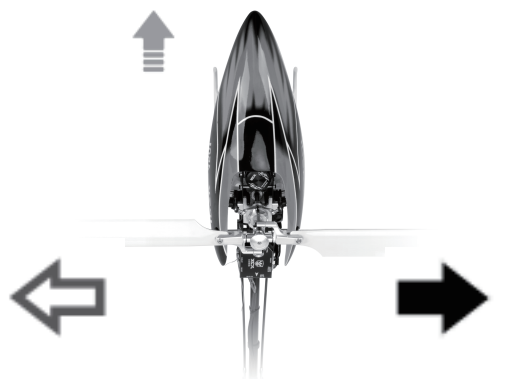
Slowly pull down the throttle stick



landing

Slowly pull down the throttle stick (the left stick by default), the helicopter will lower its flying height until it lands on the ground, and then pull the throttle stick to the lowest position and keep it still.

⚠ After landing, turn off the helicopter first, and then turn off the remote control to avoid losing the remote control signal.

| Remote control (American hands) | Helicopter (← For the nose) | Way to control |
|---|---|--|
| <p>Left hand Throttle stick</p>  |  | <p>*Throttle stick is used to control helicopter lift.</p> <p>*Push the lever upwards, the helicopter rises; pull the lever downwards, the helicopter lowers.</p> <p>*The height of the helicopter remains the same in the neutral position (automatically fix the height).</p> <p>*When the helicopter takes off, the throttle lever must be pushed up to the middle position before the helicopter can take off from the ground (please push the lever slowly to prevent the helicopter from suddenly rushing upwards).</p> |
| <p>Left hand Throttle stick</p>  |  | <p>*The yaw lever is used to control the heading of the helicopter.</p> <p>*Push the stick to the left and the helicopter rotates counterclockwise; when the stick is right, the helicopter rotates clockwise; when the rotation angular velocity is zero at the neutral position, the helicopter does not rotate.</p> <p>*The amount of joystick corresponds to the angular velocity of the aircraft's rotation. The larger the amount of stick, the greater the angular velocity of rotation.</p> |
| <p>Right hand joystick</p>  |  | <p>*The pitch lever is used to control the helicopter to fly forward and backward.</p> <p>*Push the stick up, the helicopter will tilt forward and fly forward. Pull down the lever, the helicopter tilts backwards and flies backwards. In the neutral position, the aircraft's front and rear directions remain level.</p> <p>*The amount of joystick corresponds to the tilt angle of the helicopter. The larger the amount of stick, the greater the tilt angle and the faster the flight speed.</p> |
| <p>Right hand joystick</p>  |  | <p>*The roll bar is used to control the helicopter to fly left and right.</p> <p>*Push the stick to the left, the helicopter tilts to the left and flies to the left. Hit the stick to the right, the helicopter tilts to the right and flies to the right. In the neutral position, the left and right directions of the aircraft remain level.</p> <p>*The amount of joystick corresponds to the tilt angle of the helicopter. The larger the amount of stick, the greater the tilt angle and the faster the flight speed.</p> |

Detailed explanation of G lever flight mode



1: Self-stabilization mode

The fuselage will automatically restore balance, but it will not hover at a fixed point. Manual adjustment is required to control the flight attitude. The maximum inclination angle is limited, and it cannot fly backwards.

2: Fixed-point mode

Intelligent flight control + GPS automatically maintains a fixed-point hover, no need to manually correct the flight attitude, novices use this mode to take off.

3: Headless mode

In addition to hovering at a fixed point, the helicopter also controls the helicopter according to the direction of the nose when unlocked. The remote control always keeps the helicopter in this direction, regardless of the direction of the tail (suitable for use when the flight attitude cannot be seen clearly after long-distance flight). Fly back).

Return home with one key

If you need a return home mode (one-key return home / low battery return home), you need to ensure that the GPS satellite signal is good before take-off and there are no buildings/trees that hinder the return home near the take-off point.

If you turn the remote control helicopter and do not return home, it may be because the helicopter has not received the instruction, you can turn the F switch repeatedly.



Unlock search star instructional video
(Youku scan code to watch)

