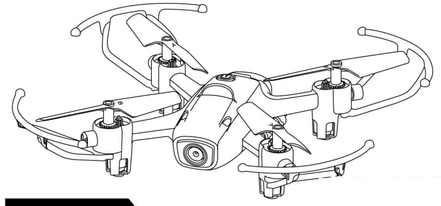
Suitable for children over 14 years old

2.4GHz 6CH REMOTE CONTROL

QUADCOPTER

INSTRUCTIONS



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SECURITY WARNING:

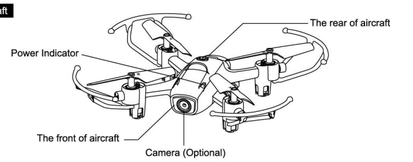
- This product is a high-speed aircraft. improper use may cause damage to people or property in the vicinity, so the users must be away from people or property during use. In the case of accidental damage, the manufacturer and its distributors and retailers will not be liable for any legal liability.
- To ensure safety of you and your children, please read this manual while playing this Aircraft.
- Do not pick up the aircraft in motion to avoid injuries.
- Keep hands, hair and loose clothes away from rotary propeller.
- To ensure safety of children, adults please accompany children whiling playing this aircraft (Without authorization, free change or modification of this product will damage your rights related to this product.)

1. Product packaging contents

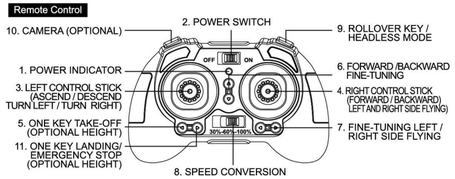
Aircraft x1 Remote Control x1 USB charger x1 Blade A/B x2 Battery x1 Screwdriver X1

2. Part identification

Aircraft



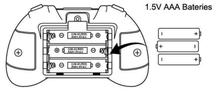
Remote Control



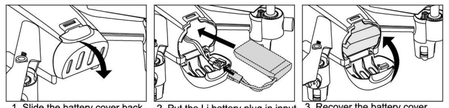
1	Power light	Display remote control's electric quantity and give hints on various functions.	7	Fine-tuning left / right side flying	Auxiliary adjustment of the left or right side flight of the aircraft.
2	Power switch	Control the power of the remote control: pull the switch up to connect the power and pull the switch down to disconnect the power.	8	Speed conversion	Adjust the speed of turning left, turning right / moving forward, moving backward / flying leftward and flying rightward. There are a total of three gears, namely 30%, 60% and 100%.
3	Left joystick	Stir the joystick ascend or descend to control rise and fall, stir the joystick left or right to control left and right rotation.	9	Rollover key / Headless mode	Press and hold the "roll" mode for 2 seconds to enter the "compass" (headless) mode.
4	Right joystick	Stir the joystick forward or backward to control the aircraft to move forward or backward, stir the joystick left or right to control the aircraft to fly at left or right directions.	10	Camera (Optional)	Press the button to enter the "camera" mode and press and hold the button for 2 seconds to enter the "video" mode.
5	One key take-off (Optional height)	After starting the aircraft, every time it is clicked, it automatically rises by about 1.5 m.	11	One key landing / Emergency stop (Optional height)	During flight, click once for automatic landing. Press and hold emergency stop for 2 seconds, the aircraft will stop urgently.
6	Forward/ backward fine-tuning	Assist in adjusting the aircraft to move forward or backward.			

3. Battery installation and charging

1. Remove the battery cover.
2. Install 3 "AA" batteries, according to the correct polarity.
3. Close the battery cover.



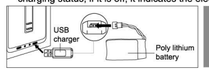
Battery installation of Aircraft



1. Slide the battery cover back and then downturn on.
2. Put the Li battery plug in input socket of battery box, and then put Li battery in the box.
3. Recover the battery cover (Push forward).

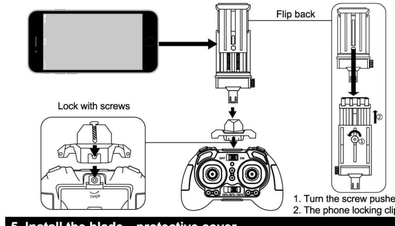
Lithium Battery Charging

1. Insert USB charger in USB port of computer, and the indicator is off; connect the battery plug to the USB charger, and the indicator is on, indicating charging; if off, indicating full.
2. Connect the battery plug with the socket in USB charger; if the light is on, it indicates the charging status; if it is off, it indicates the electricity in battery is full.

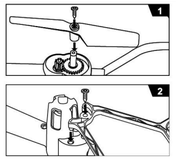


Note: The USB charger can be connected to most smartphone chargers or mobile power sources or USB interface in automobiles. The voltage in USB interface is 5V±0.5V.

4. Mobile phone clip installation (Optional accessory)

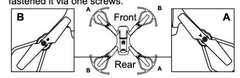


5. Install the blade、protective cover



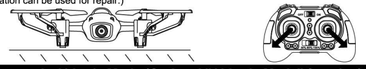
The blade of the aircraft is not the same for every piece. Each blade is marked with "A" or "B". When install the blade, please correctly install according to the corresponding tag as shown below. When the blade is not properly installed, the aircraft will be unable to take off,or rollover or throw.

1. Install the blade as shown in the figure
2. install the protective cover as attached picture and then fastened it via one screws.



6. Aircraft calibration

After matching the code between the aircraft and remote control, as shown below, put the aircraft on a horizontal plane, and push the "left joystick" and "right joystick" until the power indicator on the aircraft flashes quickly, after the calibration is completed, the navigation light will return to normal. (When the aircraft is offset in any direction and fine-tuning cannot be adjusted, this calibration can be used for repair.)



7. Automatic Altitude Mode (Optional "Altitude Mode" function)

This aircraft adopts "barometer" module to achieve fixed height and hovering; use the left joystick (accelerator) to control rise/fall; loosen the left joystick (accelerator), the aircraft will hover at that height.

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.

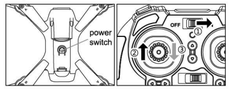
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

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

8. Take-off

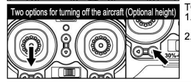
1. Put a fully charged battery into the aircraft and press and hold the aircraft power switch for about 2 seconds to start the aircraft. Then place the aircraft on level ground with the nose on the front. (At this time, the aircraft light will flash.)
2. Turn off switch of the remote control (the power indicator is on) push left lever to top and then to end, Aircraft and remote control begin to match codes, after that, power indicator of remote control and light of PRV will be always on.



Start /Close the aircraft (choose the "set height" function) (Optional height)

TO START THE DRONE:
Move the left lever (throttle) to the top and the aircraft blades will slowly rotate.

Two options for turning off the aircraft (Optional height)



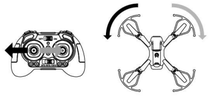
TO CLOSE THE DRONE:

1. Move the left lever (throttle) to the bottom and the aircraft will land on the ground until the aircraft blades stop rotating.
2. After landing the aircraft to the ground, press and hold the "Emergency Stop" button for 2 seconds to turn off the aircraft (⚠ Emergency stop can only be used on the ground or in special circumstances, when the aircraft brake needs to be stopped urgently).

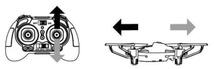
9. Aircraft operation and control

Note: Avoid out of control. In the control of Aircraft movement, it is necessary to slowly operate the lever, during operation, Aircraft will loss some power, so you can add a little extra throttle to maintain certain height when practicing flying.

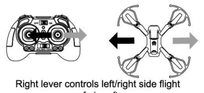
Left lever controls lift and fall of aircraft



Left lever control left/right turning of aircraft



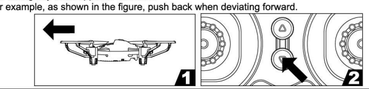
Right lever controls forward and backward of aircraft



Right lever controls left/right side flight of aircraft

Fine tuning

If Aircraft deviates the direction (left/right turning, forward/backward, left/right side flight) , push fine-tuning key in an opposite direction.
For example, as shown in the figure, push back when deviating forward.



10. Sensitivity setting

This aircraft can achieve three modes of operation:
low-speed (30%), medium-speed (60%) and high-speed (100%).
Click the "speed conversion" button for settings:

1. After adjusting the button, the buzzer on the remote control will beep once (the power indicator light will flash once), indicating that the aircraft enters the slow-speed mode (sensitivity up to 30%)
2. After adjusting the button, the buzzer on the remote control will beep twice (the power indicator light will flash twice), indicating that the aircraft enters the medium-speed mode (sensitivity up to 60%)
3. After adjusting the button, the buzzer on the remote control will beep three times (the power indicator light will flash three times), indicating that the aircraft enters the high-speed mode (sensitivity up to 100%)

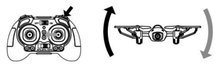
Adjust sensitivity of Aircraft by this key,if the sensitivity is higher, Aircraft responds more quickly, otherwise, more slowly.

11. Flip mode

This Aircraft can roll 360 degrees by the following operations. To better perform rolling function and ensure the Aircraft is 4 meters away from the ground, it is necessary to roll in the rising process. Thus, the height is more easily maintained after rolling.

Flip

Left flip



Click the "Roll Over" button, then turn the right lever to the left and finally return the lever to the middle position.

Right flip

Click the "Roll Over" button, Then turn the right lever to the right and finally return the lever to the middle position.

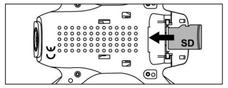
Front flip

Click the "Roll Over" button, Then turn the right lever to the front and finally return the lever to the middle position.

Back flip

Click the "Roll Over" button, Then turn the right lever to the rear and finally return the lever to the middle position.

12. Camera (Optional)



SD card installation

This aircraft has built-in camera, Directly to the SD card into the slot.

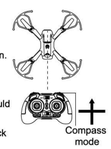
Camera Use

1. Connect to power supply and then start the remote control with further coding.
2. Click the "camera/video" button, the camera on the aircraft will take a picture. The camera mode will be automatically exited after shooting.
3. Press and hold the "Camera/Video" button for 2 seconds, the camera on the aircraft will take a video, and then press and hold the "Camera/Video"button for 2 seconds to exit the recording mode. (Camera is an optional accessory)
4. Exit the camera mode, turn off the power.

1. Ensure operation according to above steps.
2. When taking pictures, the time interval shall not be less han 2 seconds .
3. If SD card cannot store data, please format it before use.

13. Compass (headless) mode

- What is "Headless Mode" ?
  That is, in flight, regardless of the position of the aircraft, regardless of its posture direction, as long as you hold down the "Headless Mode" button for 2 seconds, the aircraft will automatically lock the direction of takeoff.
- When to adopt the "Headless Mode" ?
  When you find that the aircraft has left you very far in the flight and you can not tell the direction, press and hold the "Headless Mode" button for 2 seconds, you can control the aircraft to return without using the direction.
- Use of the "Headless Mode"
  1. When pairing the code, the nose of the aircraft must face forward (otherwise the direction will be disordered after the "Headless Mode" is turned on).
  2. In order to better use the "Headless Mode", a direction coordinate should be established for the aircraft on the ground before takeoff.
  3. When you need to use the "Headless Mode", press and hold the "Headless Mode" button for 2 seconds, the aircraft will automatically lock the direction of takeoff.
  4. When you don't need to use the "Headless Mode", press and hold the "Headless Mode" button for 2 seconds to exit the "Headless Mode".



14. One key take-off(optional) / One key landing(optional)

One key take-off

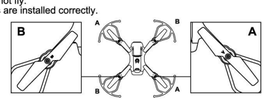
- After starting the aircraft, click "one key take-off" button, the aircraft will rise to about 1.5m automatically. [No use of left joystick (accelerator)]

One key landing

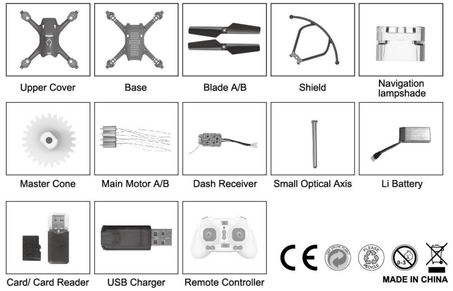
- Click "one key landing" button, the aircraft will land on the ground slowly from any heights. [No use of left joystick (accelerator)]

15. Fault removal

1. Remote control and Aircraft cannot match codes.
   Solutions: Check whether the throttle of remote control is lowest; when starting code match, do not push other levers or click fine-tuning key
2. Propeller does not rotate or responds slowly.
   Solutions: (1) Lithium battery power is low. (2) You need to re-match codes .(3) push throttle to bottom to make Aircraft land, and fly again after 3 seconds.
3. Aircraft shakes or vibrates during flying, noise is loud. Check whether motor, housing or blade is installed correctly or whether the cone is damaged.
4. The blade can rotate but Aircraft cannot fly.
   Solutions: Check whether A/B blades are installed correctly.
5. One or more motors cannot work.
   Solutions: (1) The motor is broken. Change it. (2) A transistor on the launch panel of remote control is burned out. Replace it with a new remote control.
6. Four axles still drift during suspension after recalibration.
   Solutions: Put Aircraft on a flat ground and put several layers of paper on its directing direction (the thickness of the paper depends on the degree of drift). Thus, you can calibrate the accelerometer and solve drifting problem.
7. Can not roll
   Solutions: Low battery needs charging



16. List of accessories



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