

AGE:14+

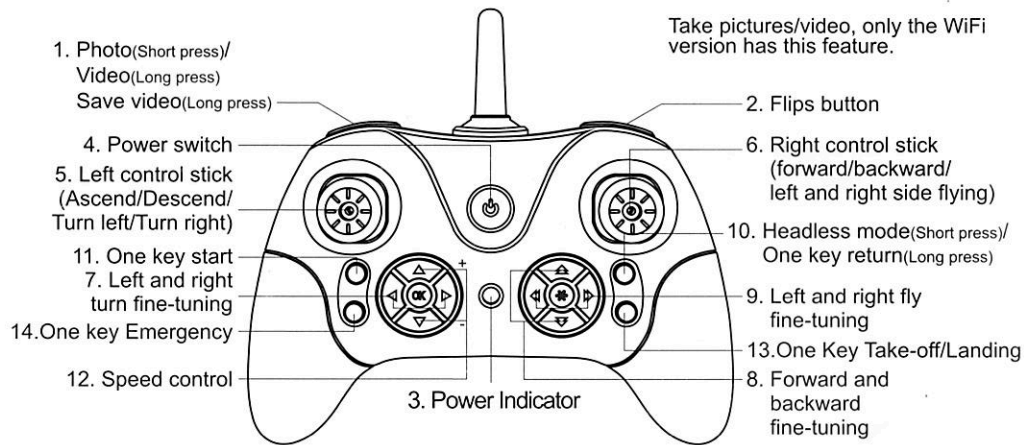
FOUR-AXIS AERIAL DRONE

INSTRUCTION MANUAL



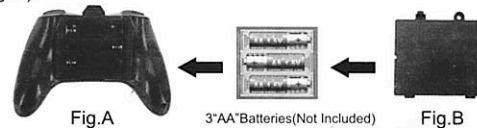
Thank you for purchasing our products. In order to use them properly and ensure your safety, please read this instruction manual carefully before using the products, and please keep them in a safe place for future reference.

1.REMOTE CONTROL FUNCTION KEYS & NAME DESCRIPTION



2.REMOTE CONTROL BATTERY INSTALLATION

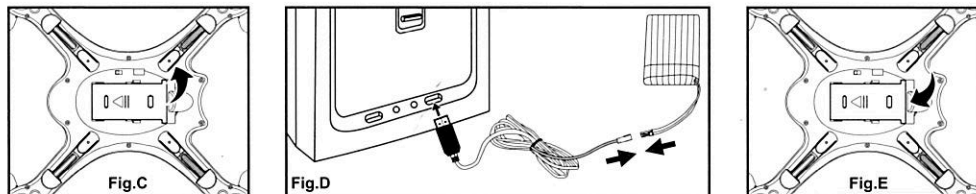
- 2.1 Remove the battery cover from the back of controller (Fig. A)
- 2.2 Install 3 "AA" batteries into the controller, make sure to install batteries to their correct polarity.
Do not mix old and new batteries or battery types.
- 2.3 Replace the battery cover.(Fig. B)



3.DRONE LITHIUM BATTERY CHARGING INSTRUCTIONS

- 3.1 Open the drone battery cover and remove the drone's lithium battery from the drone battery compartment. (Fig.C)
- 3.2 Plug the USB charging cable into the USB port of the computer, and then connect the other end of the USB charging cable to the lithium battery. When charging, the LED light is on; when charging is completed, the LED light is off; the charging time is about 180 minutes. (Fig.D)
- 3.3 After the charge is complete, put the lithium battery into the battery slot and connect it to the connector on the circuit board, taking care not to reverse the positive or negative, and cover the battery cover.(Fig.E)

⚠ Low-pressure warning tips: When the drone enters the low-pressure alarm, the body light will flash slowly. At this time, it indicates that the drone has been exhausted and needs to fly back immediately.



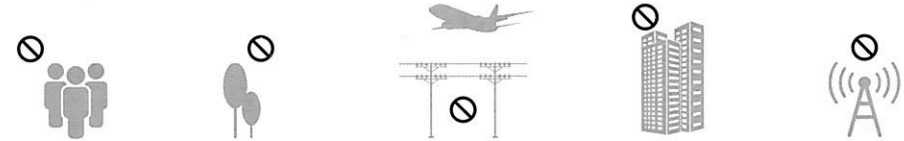
Attention:

- 1.Make sure the voltage of the USB charger fits the local electricity supply.(Keep the battery in a cool place to avoid exposure)
- 2.The Charging plug will overheat if overcharged. Please stop charging immediately as it may cause damage to the battery.
- 3.Do not leave the battery aside when charging.
- 4.Do not use other chargers other than the one supplied in consideration of safety.
- 5.Recharge the battery 30 minutes later after flying, because the battery temperature could be too high when flying and charging immediately could damage the battery.
(The drone needs to take out the battery when not in use and store it at 80% to extend battery life)
- 6.Do not leave the battery in the fire in consideration of safety.
- 7.Do not short circuit the battery. Do not leave the battery together with tiny medal parts in consideration of safety.

4.PRE-FLIGHT ENVIRONMENTAL REQUIREMENTS

Please choose an outdoor environment with no rain or snow, wind less than level 4. Please stay away from people, trees, power lines, tall buildings, airports and signal towers.

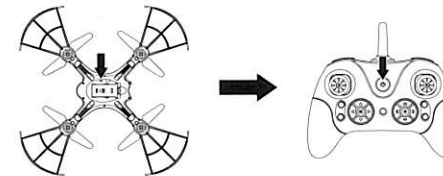
⚠ Special Tips: The flight time is about 14 minutes, the flight distance is 50-60 meters.



5.PREPARATION BEFORE FLIGHT

5.1 Drone frequency

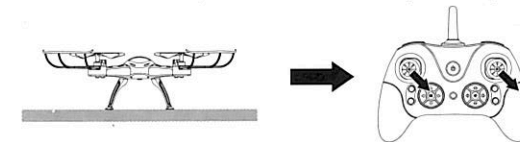
1. Install the drone battery and the remote control battery, turn on the drone power switch, and the body lights up and then put it on the level ground.
2. Turn on the remote control power switch, push the remote control throttle lever up and down, the body light becomes steady, and the remote control is successful.
(Important note: the product must be operated in steps, otherwise it is easy to connect and control badly.)



5.2 Calibration of gyroscope operation

After the drone and the remote control have successfully matched the frequency, the drone can be corrected, and the throttle lever and the direction control lever are simultaneously hit to the lower right corner. At this time, the indicator light of the drone flashes rapidly, and the indicator light is always on, and all the buttons of the remote controller are released. The calibration is complete.

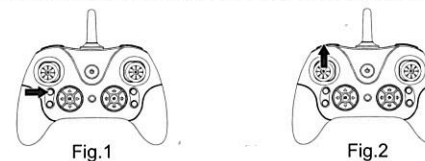
⚠ Special Tips: If the drone takes off and flies, it can also be corrected by correcting the gyroscope.



⚠ Note: Correction should be done at the horizontal level.

5.3 Drone unlock

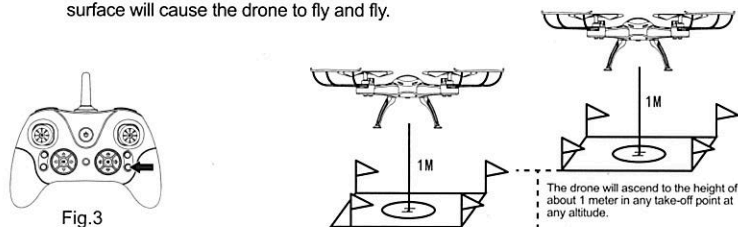
Under the operation of the remote controller, the drone needs to unlock, press the remote control unlock button (Fig.1), or push the remote control throttle lever up to the highest position (Fig.2). At this time, the four propellers are at the same time. Speed rotation indicates successful unlocking. When unlocking is completed, the drone can operate normally.



5.4 One key take off and landing

When the unlocking is completed, press the function button of the remote control (Fig. 3) again, the drone will automatically rise to a height of about 1 meter to keep the altitude flying smoothly; when the button is used for the takeoff/landing icon, the drone will automatically land slowly.

⚠ Note: One key landing must land on a horizontal plane, because a fixed-height function landing on a horizontal surface will cause the drone to fly and fly.



⚠ Flight step prompt: frequency(5.1) → gyroscope correction(5.2) → unlock(5.3) → one key take off/one key landing(5.4)

6. CONTROL METHOD

		When the left joystick (throttle) is pushed upward, the main wind blade speed increases and the drone rises. When the left joystick (throttle) is pushed down, the main wind speed slows down and the drone drops.
		When the left/right lever (rudder) is pushed to the left/right, the orbiter heads to the left/right.
		When the right lever (rudder) pushes up/down, the vehicle moves forward/back.
		When the right lever (rudder) is pushed to the left/right, the drone fuselage is tilted to the left/right.



When the drone is located 30CM above the ground, The Drone is not stable due to the influence of the eddy current, which is called "ground effect reaction", and the height more lower the drone is, the greater the impact of the effect will be.

7. TRIMMING FUNCTION

If the drone does not push the rudder lever during flight and is still spinning or flying in the air, you can use the fine adjustment function to adjust the rudder. The operation is as follows:

	When the drone spins to the left, pressing the right trimming button, until the drone does not spin.		When the drone spins to the right, pressing the left trimming button, until the drone does not spin.
	If the drone moves backward while hovering, press the forward trimming button, until the drone stops moving backward.		If the drone moves forward while hovering, press the backward trimming button, until the drone stops moving forward.
	If the drone flies to the left while hovering, press the right sideward trimming button, until the drone stops flying to the left.		If the drone flies to the right while hovering, press the left sideward trimming button, until the drone stops flying to the right.

8. SPEED SWITCHING

(Function key code.12)

Speed switching: "Di~" is the low speed mode, "Di~Di~" is the medium speed mode, and "Di~Di~Di~" is the high speed mode. (power on default low speed mode)

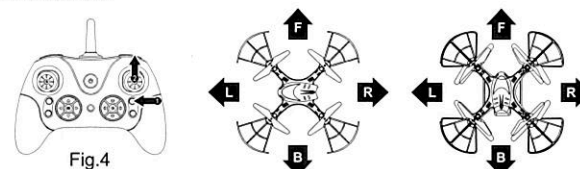
9. HEADLESS MODE

9.1 Startup and setup

In front of the drone when the power is turned on, the default is the front of the headless mode; if the impact or the front of the flight is biased, please restart the drone and adjust to the direction you need to perform the frequency; after the frequency is successful, the machine The head direction is the front of the headless mode. When the headless mode button is pressed (Fig.4), the drone body light flashes and enters the headless mode.

9.2 Exit headless mode

Press the headless mode button again (the remote control emits a "Di~"), the body light turns on constantly, and the headless mode is exited.



As shown in the above figure, in the headless mode state, no matter which direction the drone head is turned, the remote control direction lever is pushed forward, and when the drone is turned on, the head moves in the direction of the head.

10. ONE KEY RETURN

(Function key code.10)

When the drone is flying farther away, the drone can be recalled using the return function.

During the flight, long press the home button for 3 seconds to start the Return. After starting the home, the drone to the start of the frequency of the end of the other side to return, the return process, the right joystick before and after the action or long press the home key 3 seconds, cancel the Return.

11. ONE KEY EMERGENCY

(Function key code.14)

When the drone collides during flight and cannot be controlled, please use the emergency stop function button to realize the emergency stop. It is not available under normal conditions.

12.ONE KEY 360° FLIPS:

The drone can make a 360° flight through the rocker operation below.

In order to perform the tumbling function better, please ensure that the drone is fully charged and maintains a height of about 1.5 meters with the ground. It is best to operate the drone for tumbling during the ascent, so that it is easier to maintain the height after the drone is tumbling. When the battery is low, the roll will show height or roll.

Please charge it in time to experience more flying fun.

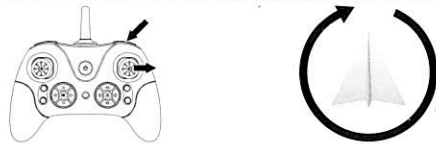
14.1 360° flips on the left

Short press the flips button, then push the right joystick to the left, and the drone will turn 360° to the left.



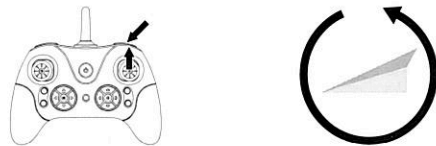
14.2 360° flips on the right

Short press the flips button, then push the right joystick to the right, and the drone will turn 360° to the right.



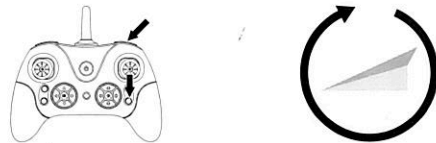
14.3 Roll forward 360° flips

Short press the flips button, then push the right lever up and the corresponding front side of the drone will turn 360°.



14.4 Roll back 360° flips

Short press the flips button, then push the right lever down and the corresponding side of the drone will turn 360°.

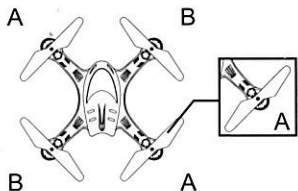


13.MAIN BLADE INSTALLATION:

The position of the blade of the drone is installed.

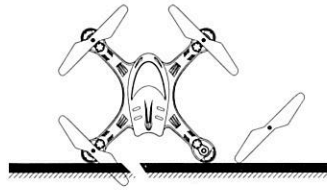
Please install it according to the corresponding code.

The code is as follows:



Install the blade as shown in the figure below.

When the blades are not properly installed, the drone will not be able to take off, or roll over or fall.

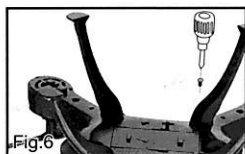
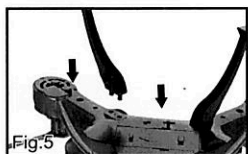


14.TRIPOD INSTALLATION

The drone is equipped with 4 tripods. It is recommended that you install the tripod before the flight so that it can land more smoothly, and protect the camera during impact. Press the stand down into the socket according to (Fig.5).

The stand is simply fixed with 1 screws (Fig.6).

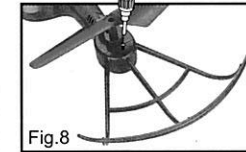
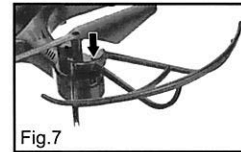
Note: Remember to replace the damaged stand before flying.



15.PROTECTIVE COVER INSTALLATION

The drone is equipped with 4 rotor protection rings. It is recommended that you install a protective ring to prevent damage or damage to the rotor. If you need to install or remove the protection ring, simply push the rotor protection ring down into the socket (Fig.7). Until it is completely mated with the arm, and then firmly screw a screw on the wing arm (Fig.8), please be careful not to over-tighten.

Note: These rotor protection rings are identical and can be mounted on any arm of the drone.



16.COMMON PROBLEM SOLVING GUIDELINES

Problems	Reasons	Solutions
No response to the drone indicator flicker	1.The drone and the remote are not successful 2.Low power	1.Re-frequency the drone and remote control(5.1) 2.Charge the battery(3)
The drone blades turn but can't fly	1.Insufficient battery power 2.Blade deformation	1.Charge the battery(3) 2.Replace blade(13)
The drone vibrates badly	Blade deformation	Replace blade(13)
Tweaked to the end but still can't smooth the drone	1.Blade deformation 2.Poor motor	1.Replace blade(13) 2.Replace the motor
The drone was launched again after the crash, but not stable	The sensor is out of balance because of the crash	After the aircraft is placed for 5-10 seconds, or by correcting the gyroscope, it will be fine(5.2)
One motor does not turn	Motor stuck	1. Clean up foreign objects rolled up by the blades 2. Gently dial the blade upwards, restart and correct the gyroscope and take off (5.2)

Special note: The product has a function of air pressure and height, but it does not have a fixed point effect. When it is not controlled in the air, the product will move slightly at the same height in the air.

17.NOTES

15.1 Please ensure that the battery power is sufficient and the remote distance will be affected when the battery is low.

15.2 If the batter power is not enough, it will not fly high enough or take off

15.3 If the drones are broken and deformed, please repair them in time. If the rotors are broken and damaged, they will not fly, or they will cause injury

15.4 Please avoid crash or a serious collision, which can damage the drone or shorten the life of the Drone.

APP Operating instructions

1. Install mobile client

Please scan the two-dimensional code to download APP.



IOS



Android

2. Add device

Power the device, manually connect WIFI hotspot to "KY/HD/Du/*****", no password.



Figure 1

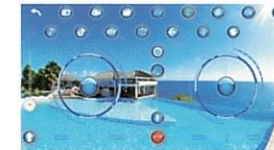


Figure 2



Figure 3

3. Head interface

SETTING, FAQ, START, Figure 1.

4. Operation mode

Play the interface and the functions of each button, as shown in Figure 2.

5. Gesture recognition

Open icon of playback interface and gesture recognition function.

Gesture photo

About 2 meters in front of the aircraft lens, the palm of one hand (palm forward) is raised flat on the side of the body; after the aircraft recognizes the gesture, it starts countdown for 3 seconds and takes pictures (at this time, the arm can be lowered). Fig. 4, Fig. 5.

(* The time difference between two consecutive identifications should be greater than 3 seconds.)

(* Some models do not support this function. Opening the function will cause picture delay.)

Gesture video

About 2 meters in front of the camera, one hand clenches the fist (palm forward) and holds it flat on the side of the body; after the aircraft recognizes the gesture, it starts recording after countdown of 3 seconds (arm can be lowered at this time); when recognizing the fist gesture in the video, it ends the video. Figures 6 and 7.

(*No palm detection during video recording)



Fig. 4 (correct)



Fig. 5 (Not correct)

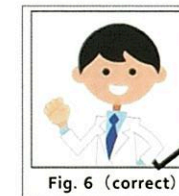


Fig. 6 (correct)

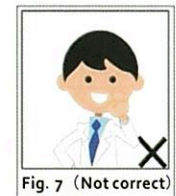


Fig. 7 (Not correct)

6. Music recording:



click the icon to enter the music library and select background music, and then click use to return to the control interface, where there is background music.

7. Manual focusing:

press and hold the track ball on the left most side of the control interface, and slide to adjust the image focal length (1x-50x digital magnification).

1X: turn off focus adjustment, and the image is the default size. **50X:** 50 times the maximum focal length.

: in the process of recording, you can manually adjust the focal length by sliding this key up and down.

8. Special effects

Filterspecial effects: on the control interface, click



to enter the filter control interface.

Click again to display various filter options. After selecting the filter, click



to exit the filter option.

Click to exit the filter and return to the main control interface.

Note: only one mobile app is allowed to connect to an aircraft at the same time!

(For detailed operation, please refer to the instructions in app)