

AGES 14+

# 4-AXIS AEROCRAFT INSTRUCTION MANUAL



## 2.4G 4-AXIS REMOTE CONTROL QUADCOPTER

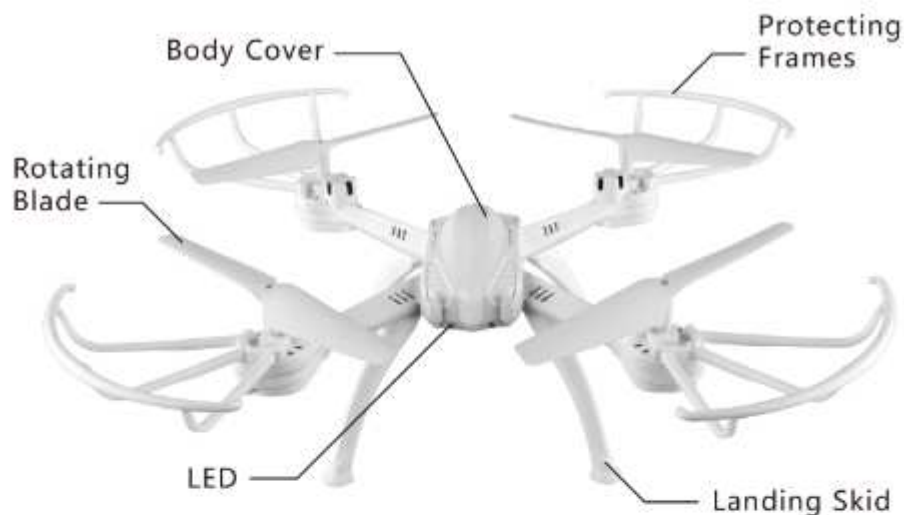
Function: up/down forward/backward turn left/right sideward fly,  
wind-resistant of force 5-6, throwing flight.

### KEY FEATURES OF QUADCOPTER

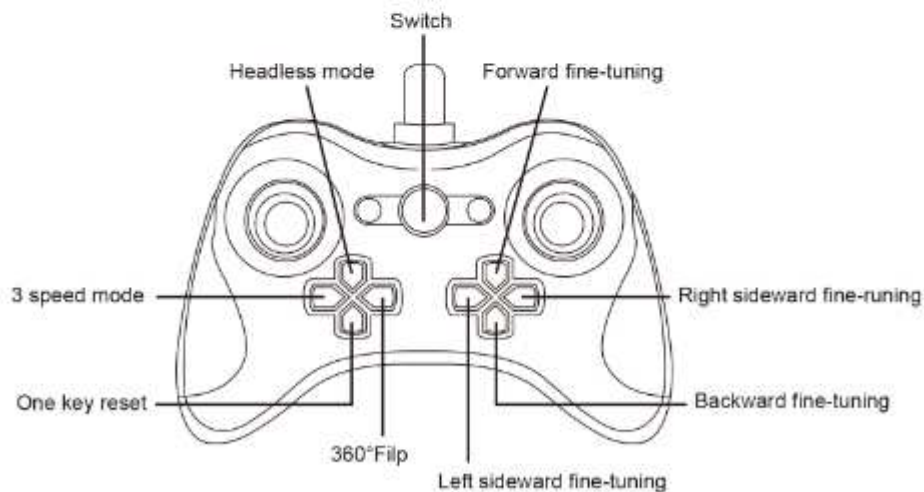
1. Four-axis structure makes the quadcopter flexible and rapid when flying.
2. Simple modulation design makes parts changing easily.
3. Built-in 6 axis gyroscope for precise hovering in the sky.

**PLEASE READ COMPLETELY THE MANUAL AND  
KEEP IT WELL FOR USE REFERENCE.**

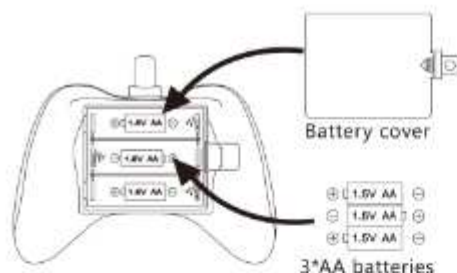
## PARTS DESCRIPTION



## PARTS DESCRIPTION OF THE REMOTE CONTROLLER



## REMOTE CONTROLLER' S BATTERIES INSTALL



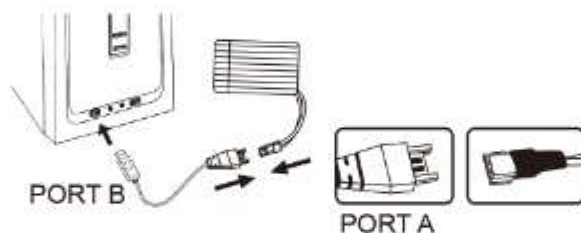
Batteries install: Open the batteries cover, install 3\*AA (not included) batteries with correct polarity

### Attention

1. Install batteries with correct polarity
2. Do not mix old and new batteries
3. Do not mix different types of batteries

## CHARGE BATTERIES OF QUADCOPTER

Push the switch of quadcopter to OFF position then open the battery cover, take out the battery. After connect port A to the battery, and connect port B to the USB equipment or computer, you will see the red light on, when battery charging is full the red light will OFF.



### Note:

Be sure to correctly match the plug to the charging port or damage may occur.  
Do not charge overnight. Do not leave unattended while charging.

**When the drone's battery is low power, the led lights on the drone will begin blinking fast, indicates that it just have 40s left to fly. At this time, you need to fly it to the safe area and press down the one key landing button to land it. If you fly it till it run out of battery it will drop out of the sky.**



### Li-Po Battery Disposal & Recycling

Wasted Lithium-Polymer batteries must not be placed with household trash. Please contact local environmental or waste agency or the supplier of your model or your nearest Li-Po battery recycling center.



## FLYING ENVIRONMENT

1. Fly under a clear and breezeless sky.
2. Fly indoor where is specious, and make sure there is no obstruction.

## S5/F1/F2 CAMERA INSTALLATION ( S4/F3/F5 OTHER ATTACHED )



camera button



fuselage socket



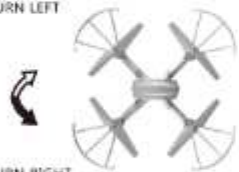







corresponding to each other, and push to figure A



connect connecting line of camera with power supply socket of fuselage's camera.

## OPERATING DIRECTION

 <p>UP ↑</p> <p>DOWN ↓</p>	<p>Push the throttle up or down, the quadcopter flies upward or downward.</p> 
<p>TURN LEFT</p>  <p>TURN RIGHT</p>	<p>Pull the throttle left or right, the quadcopter turns to left or right.</p> 
 <p>FORWARD</p> <p>BACKWARD</p>	<p>Push direction lever up or down, the quadcopter flies forward or backward.</p> 
<p>SIDEWARD FLY</p> 	<p>Pull the direction lever left or right, the quadcopter flies to left or right side.</p> 

## SPECIAL NOTICE

Without any operated of the control lever, the quadcopter keeps rotating in the sky, you can correct it by pressing the button of "fine-tuning".

When the aircraft from the ground is around 30cm, the flight will be affected by the aircraft itself as the blades rotating, we call this as "Ground Reaction", the effective will be more strong when the aircraft get more close to the ground.



When the quadcopter keeps flying backward, you can correct it by pressing the fine-tuning button up.



When the quadcopter keeps flying forward, you can correct it by pressing the fine-tuning button down.



When the quadcopter keeps flying to left side, you can correct it by pressing the fine-tuning button right.



When the quadcopter keeps flying to right side, you can correct it by pressing the fine-tuning button left.



## FLYING EXERCISES

Try some exercise after familiar with some basic learning.



precise rotating



forward and backward



sideward fly



precise landing

## 360° Flip

When you are familiar with the basic operation, you can do some awesome&exciting tricks and stunts, first of all, control the rubber of the controller to 100% , press the rotating button, you will hear sound of "Di" , then you fly the aircraft to a height of more than 3 meters, push the right lever and then loose it to make 360° flip. The exercise can be continuously if you can control well.



forward flip



backward flip



left flip



right flip

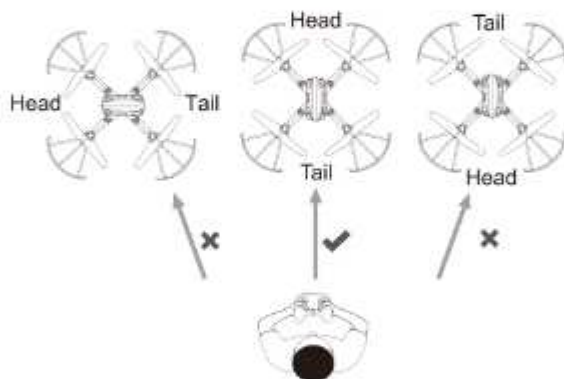
## HEADLESS FUNCTION



**NOTE: Do not use the Headless Mode until you totally comprehend the instructions For Use.**

**Flying in Headless Mode without sufficient experience might result in loss or damage to the device.**

1. Place the drone in front of the pilot before pairing the drone to the transmitter. Make sure the head of the drone faces forward and the tail faces towards the pilot.
2. After pairing and calibration, press the Headless Mode button to enter Headless Mode function. A beep will be heard from the transmitter, and the led lights will slowly flash, indicates that drone is in headless mode.
3. Press the headless mode button again, you will hear a beep and the lights on the drone will be solid which indicates the drone exits the headless mode.
4. Under Headless Mode, the forward direction is the direction the pilot faces when the pilot pairs the drone with the transmitter.



Please make sure the pilot to stay in the same orientation as the drone head faces when the drone takes off.

It is very important that the pilot does not change the direction or orientation he or she faces, otherwise the drone and transmitter will lose connection, causing controls to not perform as desired.



## ATTENTION

1. The control distance will be effected by the low battery.
2. It is hard to fly or height is not enough when the batteries energy is low.
3. If there is any damages occurred, please stop playing and take it to be repaired to avoid accidents.
4. Please remove the batteries from the remote controller if long time not used to protect from batteries leakage
5. To avoid the quadcopter from high falling or collision each other.
6. If there is any problem occurred during using, please replace our factory's original parts, or it may cause the damages easily.

## PROBLEMS AND SOLUTIONS

problems	causes	solutions
Power off of the remote controller	1 The switch is on the position of "OFF"	1 Move to the position of "ON"
	2 Batteries in wrong polarity	2 Checking and correct the polarity of batteries
	3 Power off	3 Checking and change the new batteries
Remote controller has no response	1 No turning on the energy	1 Move to the position of "ON"
	2 No connecting the aircraft' s batteries	2 Checking and correct connect the power on
	3 Strong wind	3 Please play indoors where is spacious.
Aircraft can not be up	1 Rotor speed is too low	1 Push up the accelerator
	2 The aircraft' s power is not enough	2 Please make the aircraft' s batteries fully charged
Out of control	Accelerator operated no return the aircraft upward	when you do the frequency modulation, the accelerator operated should be back to the original position
	Out of the control distance	Please play within the effective distance
Excessive landing	The speed of accelerator pulling is too fast.	Please pull the control lever slowly, maintain a smooth landing.



**FCC Warning Statement**

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