



# DRONE

## WIFI SCOUT

Quadcopter with six-axis gyro built in

### 1. IMPORTANT NOTES

- This product is NOT A TOY! It may cause damage by use it wrongly. Please use this product follow by this instruction. And please do not disassemble this product by yourself.
- This flying model requires practice before you use it. Please use the product follow by this instruction and please do not disassemble the product. Otherwise, manufacturer shall not be responsible to any damage of the product or injury to any person.

### 2. SAFETY NOTES

**CAUTION:** Fly only in safe areas away from other people. Do not operate R/C aircraft within the vicinity of crowds or people. R/C aircraft are prone to accidents, failures for their actions and damage or injury occurred during Pilot error, and radio interference, pilots are responsible for their actions and damage or injury occurred during the operation or as a result of R/C aircraft models.

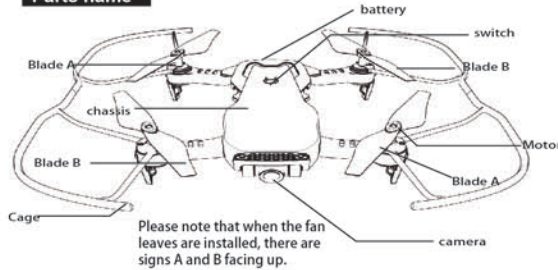
**FORBIDDEN:** Special despecial design for indoor & outdoor, please keep it away from obstacle. This product is suitable for indoor (the wind grade should be no more than 4), please choose a place without obstacle, and keep distance from crowd and pets, don't play it under unsafe, for instance, heat source, heat source, wire or electronic power source in order not to be damaged by collision landing, entanglement and lead to a fire, electric shock and cause losses of lives and property.

### WARNING: Obtain the assistance of an experienced pilot

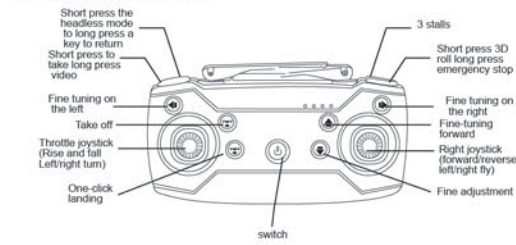
The products are suitable for more than 14 years old age, at the beginning it will have some certain difficulty in learning, suggestion guidance by experienced when playing.

— 1 —

### Parts name



### Introduction of transmitter



Frequency method: Turn on the aircraft power switch and place the aircraft on a flat ground. At this time, the aircraft indicator light flashes, turn on the remote control power switch, push the throttle stick to the maximum, pull it to the lowest, and the buzzer prompts "drip" sound. 1. The light of the aircraft is long and the frequency is completed. It can take off. During the flight, when you see the lights in the aircraft start flashing, it means that the power is insufficient. You need to fly the aircraft back to the landing. Turn off the power at the top of the aircraft. Use the USB charging cable to charge the aircraft. Outer eight calibration / two rockers hit the bottom left corner and bottom right corner at the same time about 2 seconds, the bottom of the aircraft lights began to flash, the representative of the calibration was successful. Set the height operation: 1. After starting automatically, you must be calibrated before it can be calibrated. 2. After the 8-shaped unlocking in the two rockers, the aircraft will rotate at low speed and turn off the accelerator to take off. 3. Press and hold the emergency stop button to make an emergency landing. When the flight is about to land, do not let go when the throttle is pulled. When the aircraft lands on the ground, release the throttle stick.

— 2 —

### Assembled remote controller

#### Blade replacement

- The blade to be replaced must be replaced with the corresponding position on the machine. The blade A should be installed in the position of A. The blade B must be installed in the position of B. If the blade is replaced by mistake, it cannot be controlled.
- During flight, blade A rotates clockwise and blade B rotates counterclockwise.

Please open the battery cover first in the direction of the arrow, and then place 3 Alkaline 5 alkaline batteries in order according to the polarity of the battery box (batteries must be purchased separately, and batteries with different types or new types cannot be mixed)

### Folding step

- Fold the front arm backwards/Finger tightly with the body Description Fold in place (Caution: Do not fold the arm forward, otherwise the arm may be damaged)
- Rotate the rear arm down 180 degrees to follow the body tightly/instructed to fold it in place (Note: Do not fold the arm forwards or backwards, otherwise the arm will be damaged)



### Charge the aircraft battery

#### Battery Safety Instructions:

- Different types of batteries or old and new batteries cannot be mixed. - Non-rechargeable batteries cannot be charged.
- Only use the charger supplied with this product for charging. - Correctly install the battery according to the positive and negative polarity, and the power terminals must not be short-circuited. - Non-rechargeable batteries cannot be charged, rechargeable batteries can only be charged under adult supervision. - Do not overcharge the rechargeable battery, and do not leave it while charging. - Exhausted batteries need to be removed from the remote control. - Dispose of the batteries according to the requirements of the environmental protection department. - Do not put the battery into fire to avoid danger.

#### Aircraft charging instructions:

- Remove the battery module, insert the USB charging cable into the charging port, and connect it to start charging. The indicator of the USB charging cable is extinguished during charging, and the USB indicator is always on when the aircraft is fully charged. (When the indicator of the USB cable is lit, the small current will continue for about 10 minutes.) Charging is completed.
- You can use mobile power or car power to charge. 3. The charging time is about 80-100 minutes (depending on the charging USB power supply capacity)

Battery assembly method: The battery slot is engraved with a triangle on the top / the aircraft battery slot can be gently advanced. To remove the battery: Follow the triangle on the rear of the aircraft and press down and then pull it out.



\* The triangle is engraved on the top of the battery, please be careful not to install anti Low Voltage Description: When the quadcopter is in flight, if the taillights on the four axes begin to flash, the aircraft's battery is low. Please fly the aircraft as soon as possible. Land it. Charge the aircraft battery with the USB cable.

— 3 —

### Assembling step



### Prepare for flight

- Please choose an empty room or an outdoor environment where there is no rain and snow and wind is less than level 4, avoid people, animals and obstacles.
- Load the original equipped battery into the aircraft. The indicator light of the aircraft is shining. At this time, it will be placed in a flat position and waiting for the frequency.
- Pull the throttle lever to the lowest position, turn on the power of the remote controller, push the throttle lever from the lowest to the highest, pull it back to the lowest, hear a "drip" sound and the light of the aircraft becomes steady light, then complete the code, Can fly.

#### Reminder

- Before taking off the aircraft, be sure to place the aircraft on a level surface to ensure that the aircraft will fly smoothly after takeoff!
- Flying indoors: Please select a nearby area where there are no obstacles, pets and people.
- Outdoor flight: Please select a warm and sunny or breezy weather flight.
- The control distance of the aircraft is about 60-80 meters.
- When not flying the aircraft, disconnect the battery plug from the body's power plug to avoid battery damage.

Note: 1. Do not fly in extreme weather conditions. Flying in hot or cold weather may affect flight performance or damage the model. 2. Do not fly in strong winds. Strong winds may limit the flight or prevent you Flight control. When flying in a strong wind, your aircraft will be missing or damaged.

### Flying controlled and fine tuning

Ascend /descend	When the left operating lever push up or pull down, the quadcopter is ascending or descending.	
Turning	When the left operating lever push left or right, the quadcopter turns left or right.	
Forward /backward	When the right operating lever push up/down, the quadcopter goes forth/back.	
Side Fly	When the right operating lever push left or right, the quadcopter goes to the left or right.	
Side-fly fine tuning	When the quadcopter is hovering and the quadcopter is deviate to left or right, then turn the side-fly fine tuning to right or left until the quadcopter keeps balance	
Forward backward fine tuning	When the quadcopter is hovering and the quadcopter is deviate to forward or backward, turn the forward/backward fine tuning up or down until it keeps balance.	

Headless mode: In open mode, the aircraft positions east, west, north and south in the direction of takeoff. If the rear of the aircraft is in the south when taking off, the aircraft no matter how far it flies, it will go in any direction, and at this time, it will pull forward, backward/right side The flying joystick aircraft will retreat back to the south.

— 4 —

### Remote control

#### 1.Mobile phone rack

Pull out the lower bracket of the remote control and hold the phone.

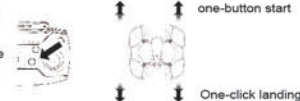


#### 2.2.4G pair frequency

Turn on the aircraft's power switch and place the aircraft on a flat ground. At this time, the light of the aircraft is blinking. Turn on the power switch of the remote control, push the throttle lever to the maximum and pull it to the lowest, and the buzzer will prompt "click"! The light of the aircraft is long and the frequency is completed. At this time, it can take off!

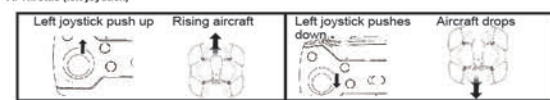
#### 3.One-click activation and one-touch landing

Tip: This product is set by the barometer, due to a variety of environmental factors such as environmental temperature and other factors, the beginning of flight or low-voltage aircraft will automatically appear high and low changes are normal



#### 4.Flight control

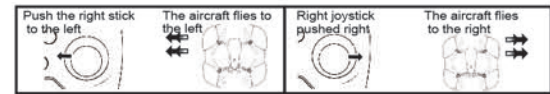
##### A. Throttle (left joystick)



##### B. Forward and backward (right joystick) (with camera facing forward)

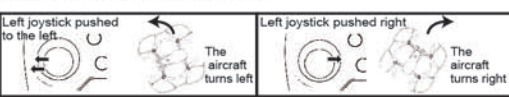


##### C. Left and right flies

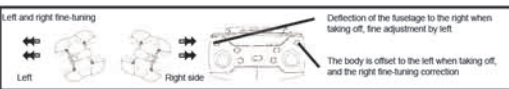
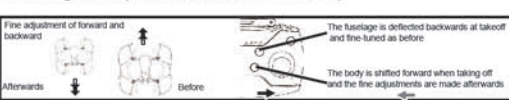


— 5 —

#### D. Turn left and right (with the camera on the front side)

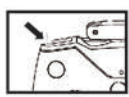


#### 5.Fine-tuning control (with the camera on the front side)

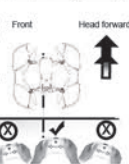


### Direction definition and mode selection of headless mode

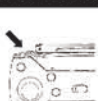
When switching to headless mode, the aircraft will abandon its own front, rear, left, and right directions and use the remote control as a reference point to reposition the front, back, left, and right. For example, when the right joystick is pushed forward, the aircraft will fly away from the remote controller; when the right joystick is pulled backward, the aircraft will fly to the remote controller.



- Define the direction before take-off. Place the forward direction of the aircraft in front of you, (the front side of the camera has the front side). The remote controller then presses a key to take off at the end of the straight flight, which completes the definition of the direction of the no-head mode of the flight.
- When flying, press the headless mode remote control to issue two flute and flute sounds. The light of the aircraft flickers quickly and enters the headless mode. Press the remote again to issue a flute and exit the headless mode.



### One-click return



When you press a key to return, the aircraft will abandon its own front, rear, left, and right directions and will automatically fly in the backward direction defined by the headless mode. This function will stop when the right joystick is operated. \*Note: This function can only be returned automatically and the flight cannot be automatically returned to stop.

— 6 —

### Speed selection



The speed is to divide the forward, backward and left and right sides into three speeds. After the power is turned on, the remote controller defaults to the slow speed. Press the key of the remote controller to send out the two flute sounds "middle", "flute" and "flute". "The flute" presses three sounds for the gear, and the flute returns to the slow gear. (It is recommended for beginners to use slower operations)

### Remote control shooting phase and video

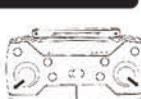


Video and camera keys (and video and camera keys on the mobile phone APP) are used. When using the remote controller to control the aircraft, the WIFI aerial board recording or photographing cannot be started via the video on the remote controller or the photo key) prompt:

- After WIFI aerial version is powered on for 20 seconds, the phone can find WIFI connection and remote controller to start video or take pictures.
- When there is no connection to the APP, it is necessary to correct the SD card on the WIFI aerial board and the video camera button on the remote controller.

### Aircraft settings reset

When the novice is operating this remote control aircraft, if the flight is unstable after takeoff and there is a rapid drift in one direction, the gyroscope horizontal correction function can be used to correct the aircraft. The method is as shown in the figure. After the completion of the frequency, the aircraft is placed in the flat. On the ground, the remote control handle simultaneously hits the lower left corner/lower right corner/outer eight shape at the same time for about 2 seconds, and the buzzer emits a "drop" sound. The aircraft lights flash and then lights up, indicating that the horizontal correction is completed!



- Emergency stop: 1. If there is a danger during the flight, an emergency stop is required. As shown in the figure, long press the scroll button and the aircraft will immediately stop running. This function does not attempt to operate when the aircraft is flying normally, and the aircraft will fall quickly.
- When the aircraft tilts more than 45 degrees, the aircraft will automatically stop protection.
- When using the APP operation, pull down the throttle and press the emergency stop key at the same time that the emergency stop

### 3D roll over



Press 3D mode key, the transmitter indicator turns on, fly the quadcopter to 2 meters high and press the right control stick to any direction quickly to its bottom and release it, the quadcopter will roll to the direction corresponding to the right control stick, if need to quit then press the key again

— 7 —

### Problem solving guidelines

problem	The reason	Countermeasures
Aircraft light blinking operation does not respond	1. Unsuccessful frequency of aircraft and remote controller 2. Insufficient battery power	1. Refer to (pre-flight preparation) 2. Charge the battery
Aircraft blades turn but do not fly	1. Low battery 2. Blade deformation	1. Charge the battery 2. Replace the blades
The aircraft vibrates badly	Wind blade deformation	Replace the blade
Fine tune to the end but still can not make the aircraft stable	1. Blade deformation 2. Defective motor	1. Change the blade 2. Replace the motor
Take off the aircraft again after the impact	Four-axis acceleration sensor loses balance due to impact	Leave the aircraft for 5-10 seconds.

#### Caveat

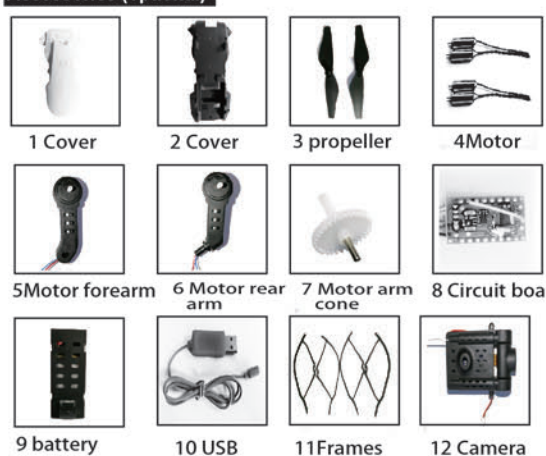
Make sure there are no people or obstacles nearby. Basic flight actions, first of all you must practice hovering flight safety. The aircraft hovering in a fixed position in mid-air, standing about 2 meters behind the flying aircraft

#### Precautions

- When the power of the remote controller or aircraft is low, the remote control distance will be affected
- If the aircraft power is insufficient, there will be insufficient flight altitude or take-off difficulties
- If the aircraft is damaged or deformed, repair it in time. In severe cases, if the wind blade breaks or breaks, do not fly. Otherwise, it may cause injury.
- Please remove the battery of the remote controller when it is not used for a long time so as to avoid damage to the product caused by battery leakage.
- Do not allow the aircraft to crash or crash from a height. This can damage the aircraft or shorten the life of the aircraft.
- In order to ensure the stability of the aircraft, after the aircraft hits the object and actually drops, please place the aircraft on the horizontal ground for 2-3 seconds, and wait for the aircraft to automatically detect the level before performing control.

— 8 —

### Accessories (optional)



#### Features

Product material: ABS  
Frequency of use: 2.4Ghz  
Product diagonal size: 260  
Product size: 225X237X46mm  
Packing: color box  
Body Battery: Lithium Battery (Modular Battery) 3.7V1000MA  
Remote control battery: 3 (1.5V AA battery (need to buy separately))  
Flight time: 11-13 minutes  
Charging time: 80-100 minutes  
Remote control distance: 60-80 meters  
Certificate: EN71/7P/Cd/EN62115/EMC/ROHS/EN60825/ASTM/HR4040/DOC  
Standard list: Aircraft Body X1 / Remote Control X1 / Charging Cable X1 / Spare Blade X4 / Manual X1 / Screwdriver X1 / Protective Cover X4 / Tripod X4 / Camera X1  
Product features: forward / backward / left turn / right turn / hover / roll / left / right side fly / headless mode / a key to take off / a key landing / emergency landing / pressure fixed / WIFI real-time transmission / phone control

— 9 —



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

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