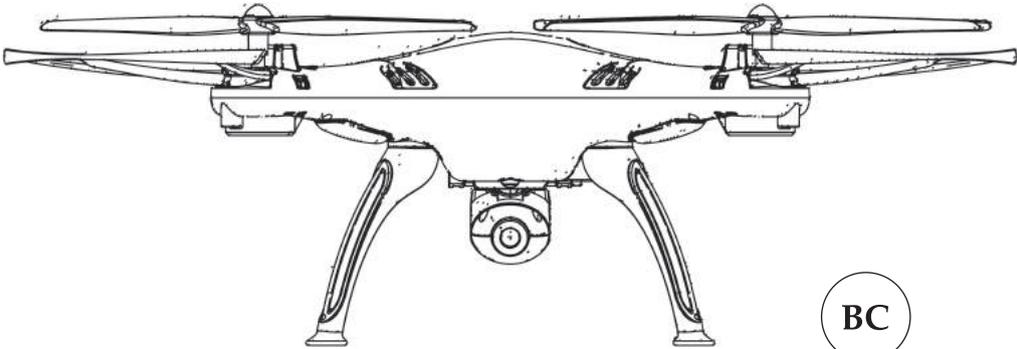


X *GYRO REMOTE CONTROL SERIES* **5SW-V3 2.4G**

4-CHANNEL PRESSURE HOVERING HEIGHT-ADJUSTMENT REMOTE CONTROL 6-AXIS FLYCOPTER



BC

USER MANUAL

OPERATING STANDARDS: GB/T26701-2011

MAIN FEATURES

- Utilizes the 4-axis structure, enabling the aircraft to be even more flexible, speedy, and possessing a relatively stronger wind-withstanding capability. Also it can conduct flights in interior as well as exterior environment.
- A 6-axis gyro direction stabiliser is built-in, ensuring precise positioning in the air.
- The structure uses modular designs, making installation simple and repair and maintenance easier.
- Capable of 360° 3D overturning function and fling-flying function.
- Headless function is enabling the aircraft to be summoned back with ease.
- Brand new pressure hovering height-adjustment function.
- HD wifi real-time transmission aerial.
- New functions increased are auto take-off and landing .

The content, specifications or accessory packaging of internal products in this user manual is strictly for reference only. Our company will not be responsible for errors in the printed contents and it will not be able to proactively notify the consumers. For any updates or errors, please abide by the SYMA MODEL AIRCRAFT's website as accurate.

Safety guide

1. Please store the smaller-sized aircraft accessories in places that are out of reach of children, in order to avoid the occurrence of accidents.
2. This aircraft is very powerful. For all first-time flight, it shall be observed that the left gear shift joystick must be slowly pushed in order to prevent the aircraft from ascending too quickly and result in unnecessary collision and damages.
3. When the flight is ended, the power supply of the remote control shall be switched off firstly, and then, followed by the switching off of the power supply of the aircraft.
4. Avoid placing the batteries in places with high temperatures and exposure to heat (for example, naked light or electrical equipment installations).
5. Take extra precaution to ensure that the aircraft is at a distance of 2 to 3 metres from the user or other people in order to prevent the aircraft from colliding into the head, face or body, etc. of other people during landing.
6. When young children are operating the aircraft, it shall be ensured that the adults are guiding and making sure that the aircraft control is within the viewing range of the controller (or instructor) such that it makes the control very convenient.
7. Non-rechargeable batteries are prohibited from recharging. When installing or changing the batteries, please take extra care on the polarities of the batteries; mixing new and old batteries or different types of batteries are strictly disallowed.
8. When the aircraft is not in use, please switch off the power supplies of both the aircraft and the remote control, and remove the batteries in the remote control.
9. The terminals & power supply cannot be short-circuited.
10. Product operating temperature of 35°.

Repair and maintenance

1. Always use dry and soft cloth to clean this product.
2. Avoid this product to be exposed to sunlight or heat.
3. Avoid immersing these toys in the water, otherwise ,the electronic parts may be damaged.
4. Regularly Check and inspect the plug and other accessories. If any damages are discovered, please immediately stop using it, until it is completely repaired in good working condition.

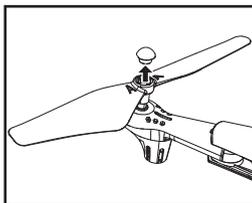
Package description

The following items can be found in this product package:

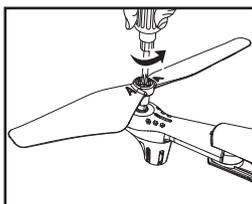
- Aircraft
- Remote Control
- Main Blade
- Instruction Manual
- Screwdriver
- Protection Gear
- WiFi Camera
- Mobile Phone Retaining Clip
- Screws (4 nos.)
- Foot Stand
- USB Cable



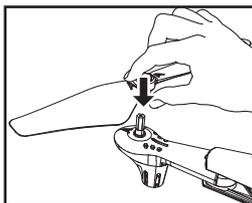
Re-installing the Blades



1. Pull out the blade decor cap.



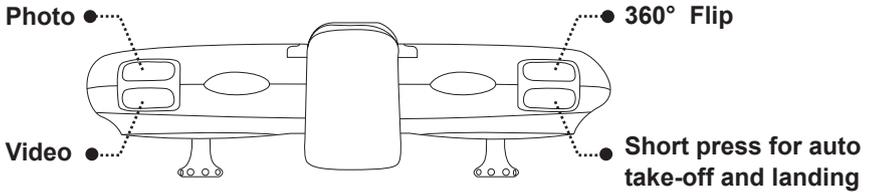
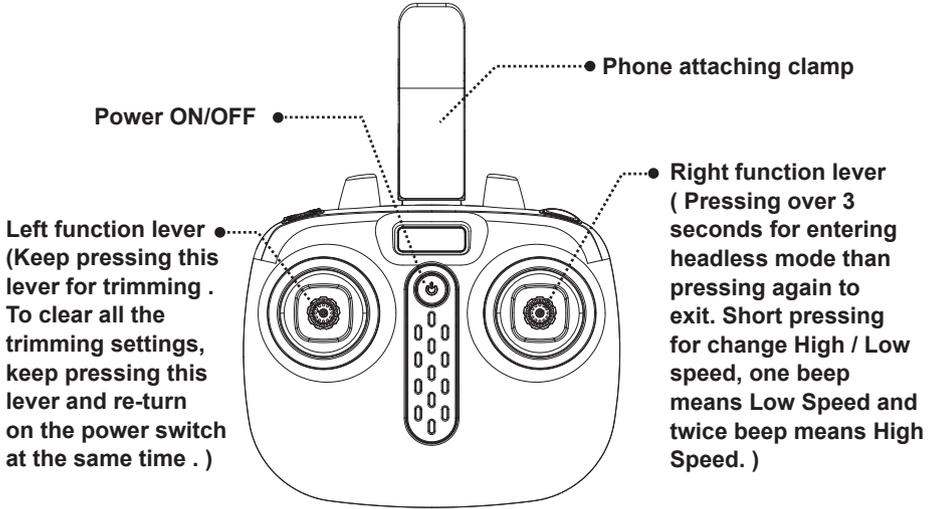
2. Remove the screws before re-installing the blades.



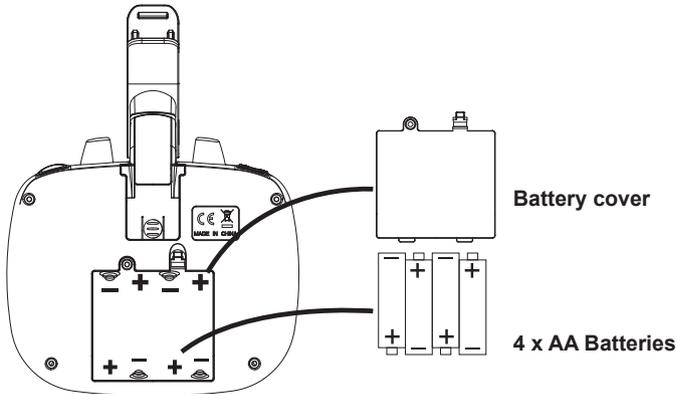
3. A labeled blades fit on the A labeled motors, B labeled blades fit on the B labeled motors. Use the screws to tighten the blades. Refer to the image.

Understanding your remote control

Remote control's button function description:



Battery installation for remote control:



1. Battery Installation Method: Open up the battery cover at the back of the remote control. Correctly place 4 x AA alkaline batteries in the battery box in strict adherence to the polarity instructions (the batteries are optional).



1. During the battery installation, it must be ensured that the polarities of the batteries are matched with that of the battery box. No battery shall be installed with the opposite polarity.
2. Please do not use new and old batteries together.
3. Please do not use different types of batteries together.

Installation procedures for foot stand and protective ring of the aircraft

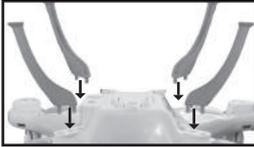


Figure (1)

1. Install the foot stand into the main body as shown in Figure (1).

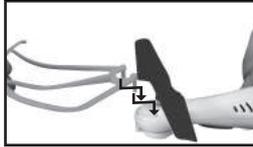


Figure (2)

2. Install the protective gear into the main body as shown in Figure (2).

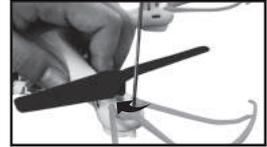
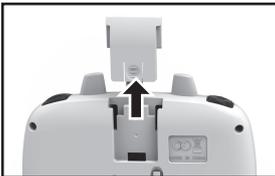


Figure (3)

3. Tighten the screws in a clockwise direction as shown in Figure (3).

Wifi real-time transmission aerial photo-taking component installation

Mobile phone retaining clip installation:



1. Pressing on the mobile phone clip cover behind the remote control and pushing it out upward.



2. Align the mobile phone retaining clip with the antenna of the remote control and insert it in.



3. Use strength to press against the spring section of the retaining clip to adjust the size.

Wifi real-time transmission aerial photo-taking component installation

1. Downloading the installation software

For Android phones, download and install the SYMA GO APP by visiting the www.symatoys.com or by scanning the QR code.

For IOS Apple phones, download and install the SYMA GO APP by visiting the App Store or by scanning the QR code.

Reminder: QR codes are provided on the packaging box and at the bottom of the user manual. Please visit website www.symatoys.com or the App Store/Google Play to obtain the newest SYMA GO App.

2. How to connect

1. Connect the model to its power source, the camera indicator light should turn green. Within 10 seconds, the light will flash slowly and the camera will be waiting for a connection with a smartphone.

2. At this time, enter the "Settings" option on your phone, and turn on WiFi. In the WiFi search list, look for a network called "FPV-WIFI- *****" and connect to it. Once connection has been established, exit the "Settings" option.

3. Open the SYMA GO App, click the "START" icon to enter the control interface. A full bar in the WiFi signal icon indicates the strongest possible signal.



1. Open up SYMA GO APP.



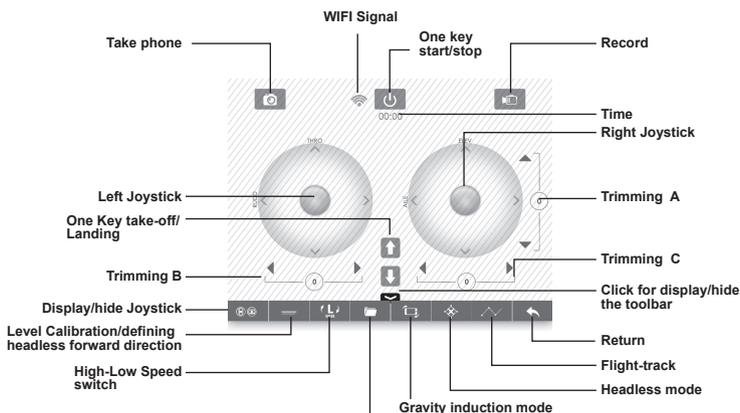
2. Click the "START" icon, the system will enter the APP operation interface automatically.



3. The phone's screen will display real-time images.

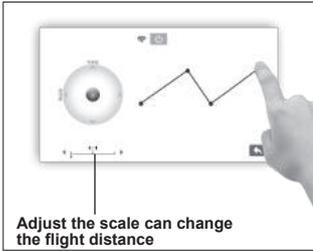
3. Interface icon instructions

Mobile APP control interface



- Check the memory card memory (need to connect WIFI, and read the memory card data need to wait a few seconds)
- Check the phone memory

Flight-track operation interface



Press the flight-track button to enter into the flight-track interface, and the air vehicle will flight in accordance with recorded route.

4. Real-time aerial photography uploading:

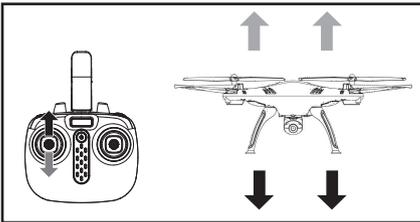
Photo/Record: When the 720P WiFi camera is operating normally, press the photo/record icon in the real-time upload interface to take photos/videos. (Photos/recordings that were taken can be viewed in the “View Photo and Video” folder)

Note: When using the real-time upload operation in the app, the range for the operating distance of the aircraft will reduce by half. The WiFi real-time upload function is optimal in spacious environments.

Aircraft controlling diagram

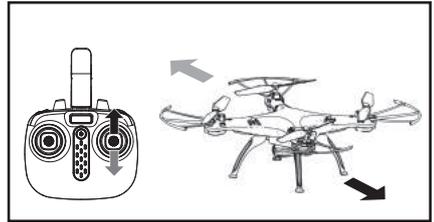
Operating direction

Ascending and descending control



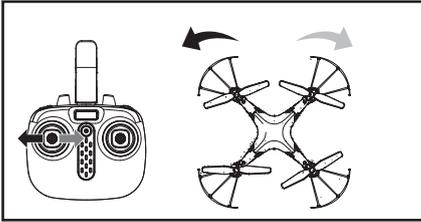
When the left joystick (Accelerator) is pushed upwards or downwards, the aircraft will ascend or descend correspondingly.

Forward and backward control



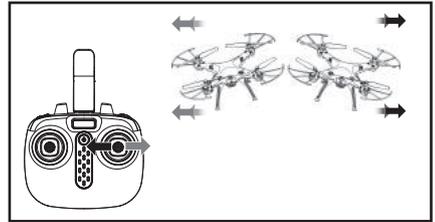
When the right joystick (Turning Rudder) is pushed upwards or downwards, the aircraft will advance forward or backward correspondingly.

Left turning and right turning control



When the left joystick (Accelerator) is pushed towards the left or right, the aircraft will turn left or right correspondingly.

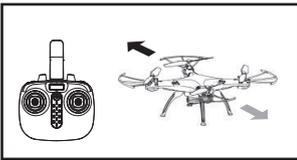
Left side flying and right side flying control



When the right joystick (Turning Rudder) is pushed towards the left or right, the aircraft will fly sideward on the left or right correspondingly.

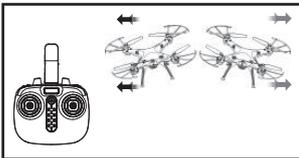
Fine-tuning operation

Forward and backward fine-tuning control



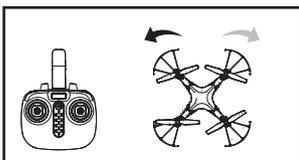
Under the condition of aerobat hovering in the air when aerobat automatically flies forward/backward, one could press down the left operating arm and at the same time push the right operating arm forward/backward to adjust the direction. Don't unloose the left operating arm until aerobat comes into a stable state.

Left/right side flying fine-tuning control



Under the condition of aerobat hovering in the air when aerobat automatically flies towards the left/right side, one could press down the left operating arm and at the same time push the right operating arm to the right/left to adjust the direction. Don't unloose the left operating arm until aerobat comes into a stable state.

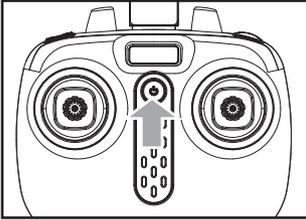
Left/right side turning fine-tuning control



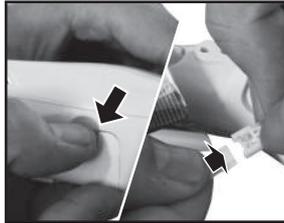
Under the condition of aerobat hovering in the air when aerobat automatically rotates and flies towards the left/right, one could press down the left operating arm and at the same time push the left operating arm to the right/left to adjust the direction. Don't unloose the left operating arm until aerobat comes into a stable state.

Flight preparation and switching off of the aircraft

I. Flight preparation



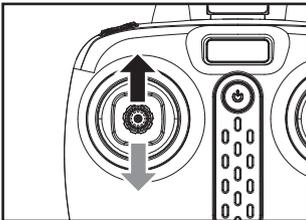
Step 1: Open up the power supply switch of the remote control.



Step 2: Slide backward the battery cover, and connect the battery connector with the power supply connection interface.

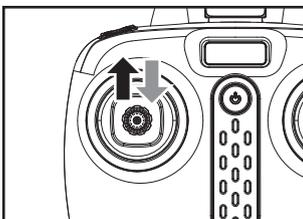


Step 3: Switch on the aircraft's switch at the bottom area.

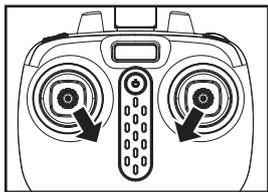


Step 4: Push the left lever (accelerator) to the highest point and then reset to the lowest point. When the indicator lights in the aircraft change from quick flashing to the continuous lighting, it means that the aircraft goes into the flight standby mode.

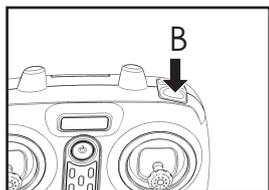
2. Switching on the aircraft



Method 1: push the left lever (accelerator) to the highest point and then reset to the center, the ventilation blade of aircraft starts rotating slowly.

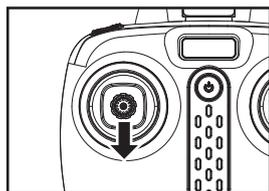


Method 2: Move the left and right joysticks inwards in an internal loop of “8” for 1 second, the ventilation blade of aircraft starts rotating slowly.

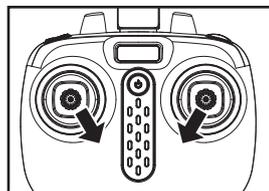


Method 3: When the vehicle is stationary, press the B button, the vehicle slowly rotating blades, automatically rises to a certain height.

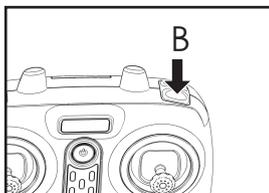
3. Switching off the aircraft



Method 1: Push the left joystick (Accelerator) to the lowest level and stay there for 2 to 3 seconds, the aircraft can then be switched off.



Method 2: Move the left and right joysticks inwards in an internal loop of “8” for 1 second, and the aircraft can be switched off.

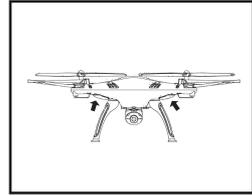


Method 3: When the aircraft is in flight, press the B button, the aircraft fell to the ground and slowly closed the aircraft.

Product features

I. Low-voltage protection:

When the four indicator lights at the bottom of aircraft start flicking, it means that the aircraft's battery power is low. At this time, the aircraft will initiate the height-limiting function and will drop to a certain safety height.



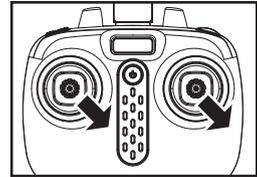
II. Overcurrent protection:

When the aircraft encounters direct impact from a foreign object or is stuck under the circumstances in which its blades are rotating, the electric circuit of the aircraft will enter into the overcurrent protection mode.



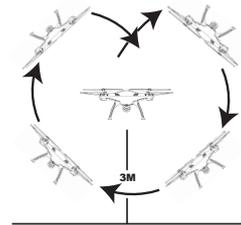
III. Level calibration function:

Place the aircraft on a leveling surface and at the same time, push both left and right joysticks to the lower right corners and stay there for 2 to 3 seconds; the normal light indicator on the aircraft will blink rapidly, and it will return back to the normal status after about 2 to 3 seconds. The level calibration is successful.



IV. 3D overturning function:

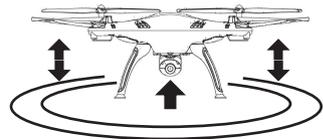
When you are familiar with the basic actions, you can proceed to explore even more exciting and risky overturning actions. Fly the aircraft to a height of above 3 m from the ground, press against the upper right corner button (Overturning Button) on the remote control and simultaneously push the right joystick to the highest level of Front/Back/Left/Right, the aircraft will now be executing the Front/Back/Left/Right overturning function.



Note: When the batteries are fully charged, it will have the best overturning effect.

V. Pressure hovering height adjustment function:

After using the left joystick (Accelerator) to control the ascending / descending flight of the aircraft, free up the left joystick (Accelerator) and the aircraft will still hover at that height when the joystick is free.



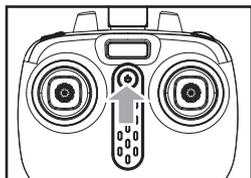
VI. Fling-flying action Instructions:

As the aircraft uses a 6-axis gyro, it greatly increases the fun factor. Fling the aircraft outwards or overturning it upwards with a simultaneous stepping on the accelerator joystick, the aircraft can stop in the air in a steady manner.

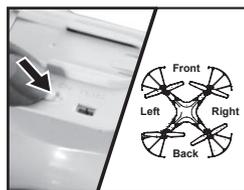


VII. Headless function:

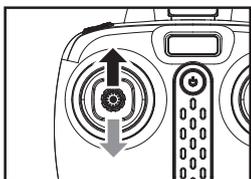
1. Defining forward direction:



1. Open up the power supply switch of the remote control.



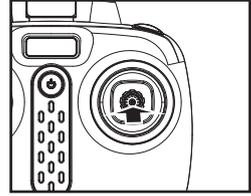
2. After connecting the aircraft to the power supply, push the switch to the "ON" location, and adjust the specified direction of the aircraft's head under the headless mode as the new forward direction.



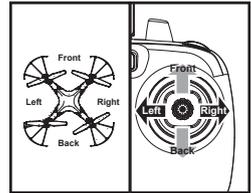
3. Push the accelerator joystick of the remote control to the highest level and then, pull back into the lowest level. When the remote control issues a long beep sound, it means the frequency and defining forward direction functions are completed.

2. Toggling between headless function and normal function:

1. When the aircraft has completed its matching of frequency, the default of the aircraft is normal mode. At this time, the light indicator on the aircraft is in the long blinking mode. When pressing and holding on to the left upper corner of the headless function toggle button for 2 seconds, the remote control will issue a “Di, Di, Di,” sound indicating it has entered into the headless mode. In subsequent long pressing on the same button for 2 seconds, upon hearing a long “Di” sound, the aircraft has exited from the headless mode. In the headless mode, the four lights on the aircraft are slowly blinking. Every blink is within 4 seconds)

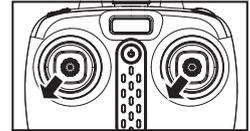


2. Under the headless mode, the operator does not require to differentiate the head position of the aircraft, and he just needs to control the aircraft using the joystick's direction of the remote control.



3. Rectification for the defining forward direction function:

1. When the aircraft encounters a direct impact with foreign objects in the headless mode, if there is an occurrence of deviation of the defined direction, it is only required to push the accelerator and the direction joystick to the left bottom corners simultaneously after rectifying the flying direction of the aircraft in the correction direction. When the light indicator of the aircraft is in a long “ON” mode after slowly blinking for 3 seconds, it indicates the rectification is complete.



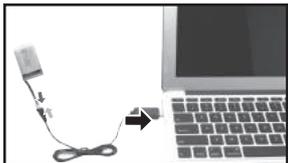
Battery changing and charging methods for aircraft



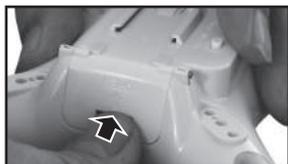
1. Push the switch button of aircraft to “OFF”, and press against the battery cover and slide backward.



2. Disconnect the connection joint of the battery from the connection interface of the power supply.



3. Connect the power supply line of the battery with USB, and connect the USB interface with the computer's connection port (During charging, the light indicator will light up; and the light indicator will go off when it is fully charged. The completion time for charging the battery is less than 130 minutes).



4. After changing the batteries, firmly secure the battery cover again.

The charging time is less than 130 minutes; In hover flight conditions longer than 7.5 minutes!

Precautions as follows during charging of battery:

- Avoid placing the active batteries in places with direct exposure, sunlight and high temperatures. For example, naked light or electrical equipment installations; otherwise it may cause damages or explosions.
- Avoid immersing the batteries in the water. The batteries shall be stored in a cool and dry place.
- Avoid dismantling the batteries.
- During the charging of battery, avoid leaving the charging place.
- Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
- The following instructions were NOT marked.
- Rechargeable batteries are to be removed from the toy before being charged. Rechargeable batteries are only to be charged under adult supervision.
- Exhausted batteries are to be removed from the toy.

- Transformers used with the toy are to be regularly examined for damage to the cord, plug, enclosure and other parts, and that, in the event of such damage, the toys must not be used with this transformer until the damage has been repaired.
- **Warning!** The toy is to be assembled by an adult.
- Rechargeable batteries are to be removed from the toy before being charged .
- Rechargeable batteries are only to be charged under adult supervision .
- Exhausted batteries are to be removed from the toy.
- After the battery cover of remote controller is opened by the tool (screwdriver), 4 AA batteries are correctly installed according to the positive and negative electrode. Then, the battery cover is closed. Finally, the screwdriver is used to screw down the battery cover. The aircraft should be connected with 500mAh and 3.7V lithium battery after the battery cover is opened manually. Then, the battery cover is closed manually.

Wifi camera installation and dismantling methods

Wifi camera dismantling procedures:



Figure (1)



Figure (2)

1. Remove the 3-line plug into the camera connection interface of the main body according to Figure (1).
2. Use strength to press against the safety catch of the main body and at the same time, pull the camera backward according to Figure (2).

Wifi camera installation procedures:

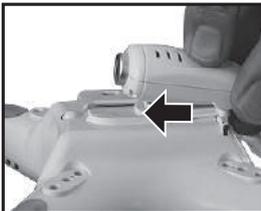


Figure (1)

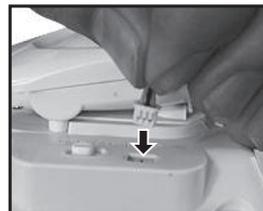


Figure (2)

1. When the camera is aligned with the main body's connector, push the camera inwards according to Figure (1).
2. Insert the 3-line plug into the camera connection interface of the main body according to Figure (2).

Rectification procedures

Problem	Reason	Solution
The aircraft has no response	<ol style="list-style-type: none"> 1. The aircraft has entered into low-voltage protection. 2. When the power of the remote control is weak, the power light indicator will blink. 3. The channel selection of the remote control does not match with the aircraft's coding. 	<ol style="list-style-type: none"> 1. Charge up the aircraft. 2. Change the batteries of the remote control. 3. Adjust the channel of both the remote control and aircraft such that they are in synchronized mode.
The flight response of the aircraft is not sensitive	<ol style="list-style-type: none"> 1. The power of the remote control is weak. 2. There is an interference with the same frequency as that of the remote control. 	<ol style="list-style-type: none"> 1. Change the batteries. 2. Change to a place where there is no interference with the same frequency.
The aircraft is flying towards its side in one direction during hovering	<ol style="list-style-type: none"> 1. The aircraft is not calibrated level to the ground. 	<ol style="list-style-type: none"> 1. Re-adjust the calibration until the aircraft is level to the ground. For further details, please refer to Point III of Page 10 (Level Calibration Function).
In the headless state, it is biased towards the front direction	<ol style="list-style-type: none"> 1. Many collisions may cause head biases. 	<ol style="list-style-type: none"> 1. Re-define the front direction. For further details, please kindly refer to Point VII of Page 11 and 12 (Headless Function).

Accessories (Optional)

You can choose your favorite optional accessories as below. In order to make it easier for the customers to choose and purchase, we have specially offered each and every accessory. The accessories can be purchased through the local distributors. Please kindly specify the favorite during your purchase.



X5HW-01A
Main Body
(White)



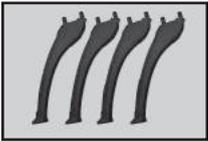
X5HW-01B
Main Body
(Black)



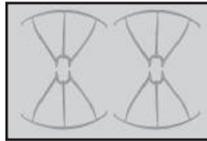
X5HW-02
Rotor Blade



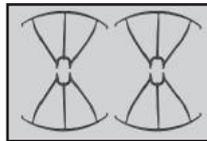
X5HW-03A
Base Stand
(white)



X5HW-03B
Base Stand
(Black)



X5HW-04A
Protective
Gear (Green)



X5HW-04B
Protective Gear
(Black)



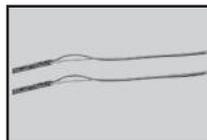
X5HW-05
Mobile Phone
Fixed Mounting



X5HW-06
Motor A
(Red and
blue lines)



X5HW-07
Motor B
(Black and
white lines)



X5HW-08
Light Bar



X5HW-09
Receiver
Board



X5HW-10
Lamp Cover



X5HW-11
Battery



X5HW-12
USB Cable

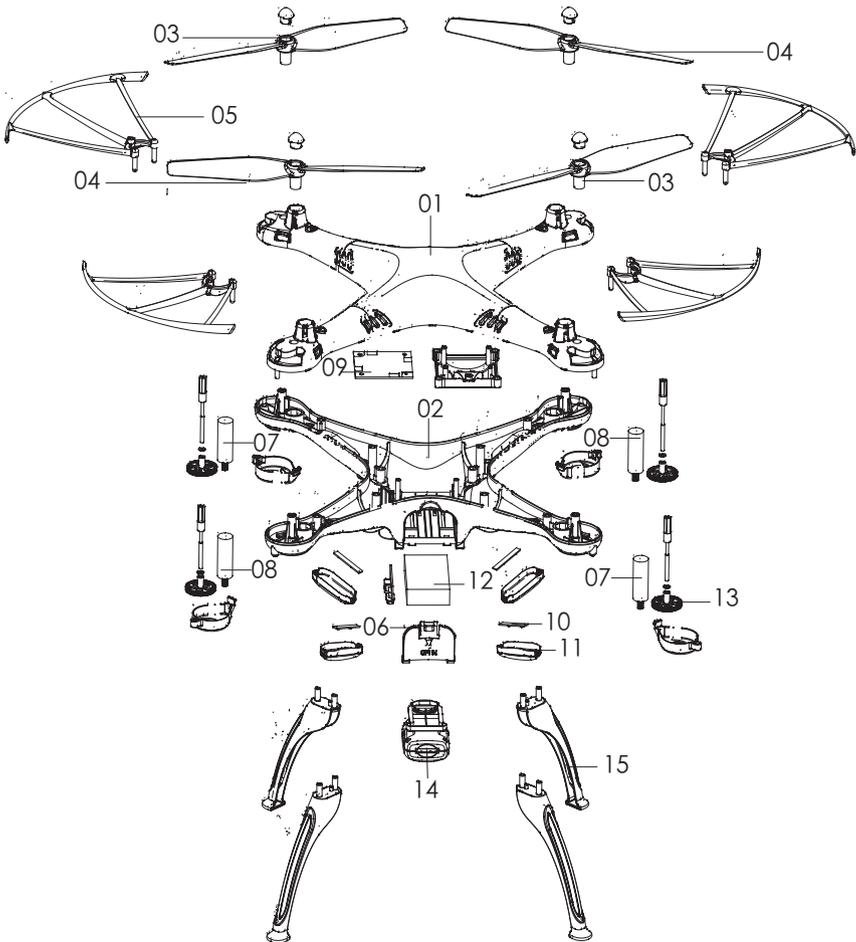


X5HW-13A
WIFI Camera (White)



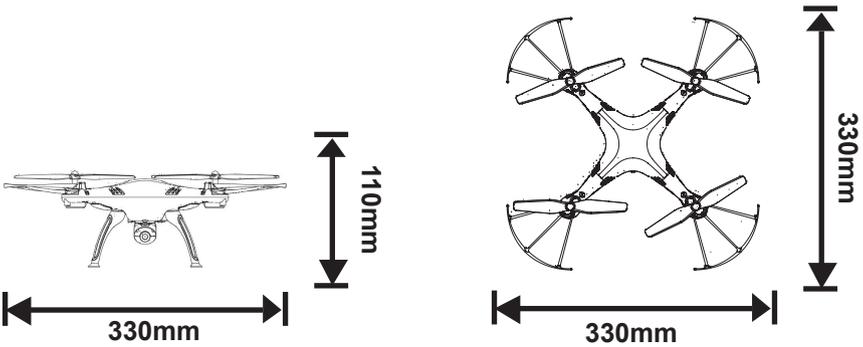
X5HW-14
Remote Control

Product descriptions



NO.	Product Name	Qty.	NO.	Product Name	Qty.
01	Top Main Body	1	09	Circuit Board	1
02	Bottom Main Body	1	10	Lamp Cover	4
03	Main Blade(Clockwise Direction)	2	11	Light Bar	4
04	Main Blade(Anti-clockwise Direction)	2	12	Battery	1
05	Protective Gear	4	13	Gear Box	4
06	Battery Cover	1	14	Camera	1
07	Main Motor(Clockwise Direction)	2	15	Foot Stand	4
08	Main Motor(Anti-clockwise Direction)	2			

Main specifications



Aircraft's Length:330mm Aircraft's Width:330mm
Aircraft's Height:110mm Motor's Model: Ø8
Battery: 3.7V/500mAh lithium battery



SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.



**QR code for android
system**



**QR code for apple
iOS system**

Manufacturer

Guangdong Syma Model drone Industrial Co., Ltd.

The Crossing of No.2 West Xingye Road and North Xingye Road,Laimei.

Industrial Park Chenghai District Shantou City Guangdong China.

Contact person: SYMA Telephone: 0754-86381898

**The company has the right of final interpretation
of this instruction manual statement.**