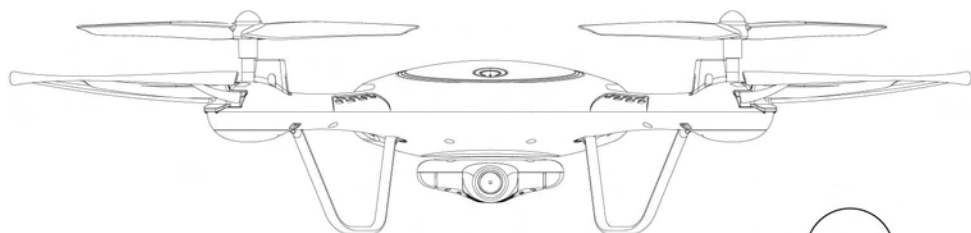


GYRO REMOTE CONTROL SERIES ***X5UC 2.4G***



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



BC

1

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.
- Headless function is enabling the aircraft to be summoned back with ease.
- HD Sky Shooting function, can enjoy Sky Shooting function fun.
- Brand new pressure hovering height-adjustment function.
- 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 for 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.

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 into 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.

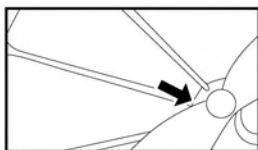
Package description

The following items can be found in this product package:

- Aircraft
- Remote Control
- Main Blade
- Instruction Manual
- Screwdriver
- Protection Gear
- Camera
- USB



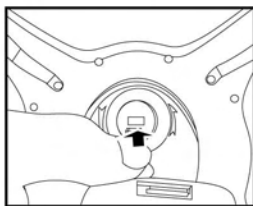
Installation procedures for foot stand



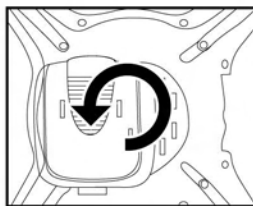
1. Install the protective gear into the main body as shown in.

Camera installation and dismantling methods

Camera installation procedures:

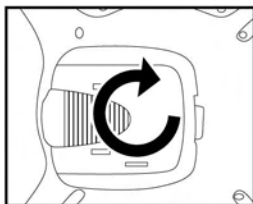


1. Insert the camera's connector wire into the interface on the main body.

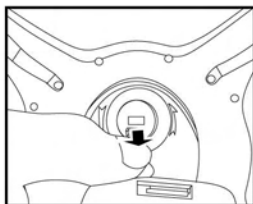


2. Aiming the camera at the interface on the main body and rotating the camera in anti-clockwise direction to make it screwed.

Camera dismantling procedures:

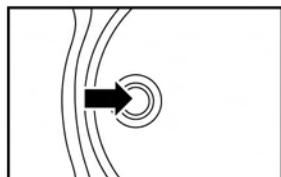


1. Rotating the camera in the clockwise direction.

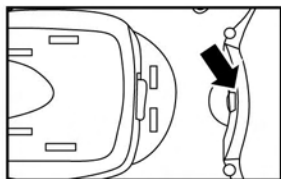


2. Then taking out the camera upward and pulling out the connector wire on the main body connected by the camera.

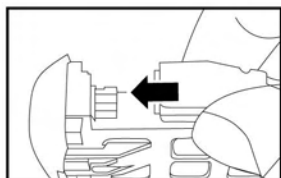
Battery changing and charging methods for aircraft



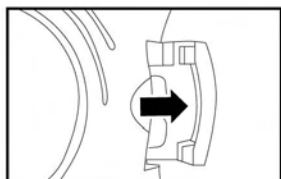
1. Pressing on the power switch on the top of the aerobat to make sure the aerobat in the state of "OFF".



2. Pressing on the fixed components at the bottom of the battery and pulling out the battery.



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.

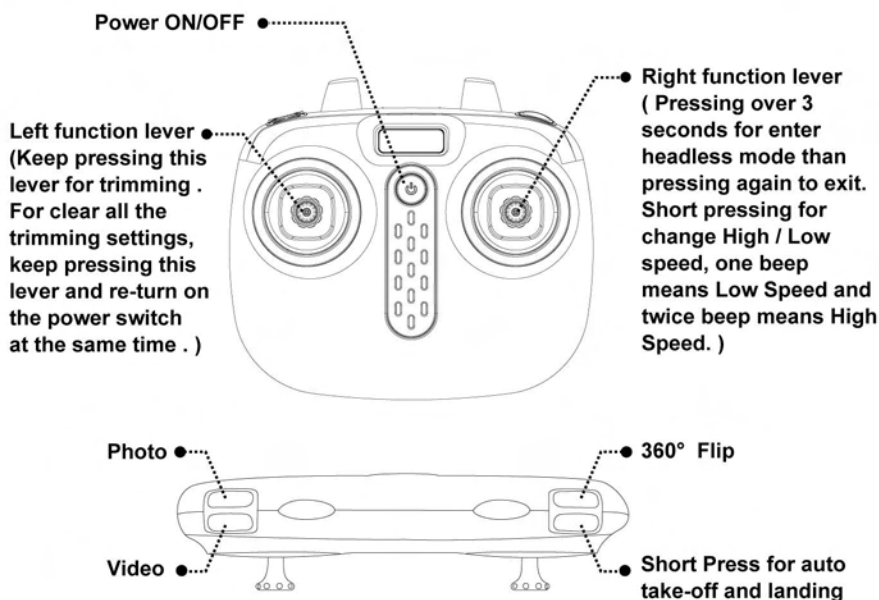
The charging time is less than 130 minutes; In hover flight conditions longer than 7.5 minutes!

Precautions as follows during charging of battery:

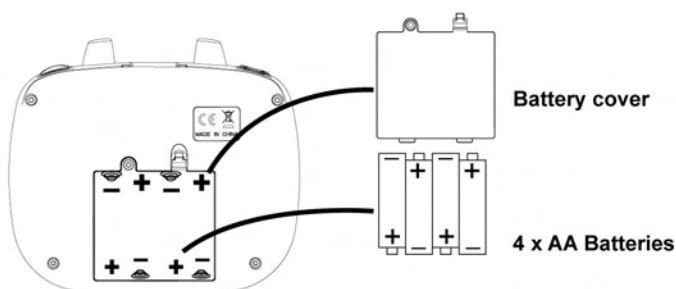
- Avoid placing the active batteries in places with direct exposure, sunlight and high temperatures. For example, naked light or electrical equipment installations; otherwise it may cause damages or explosions.
- Avoid immersing the batteries in the water. The batteries shall be stored in a cool and dry place.
- Avoid dismantling the batteries.
- During the charging of battery, avoid leaving the charging place.

Understanding your remote control

Remote control's button function description:



Battery installation for remote control:



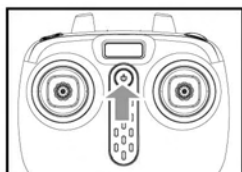
1. **Battery Installation Method:** Open up the battery cover at the back of the remote control. Correctly place 4 x AA alkaline batteries in the battery box in strict adherence to the polarity instructions (the batteries are optional).



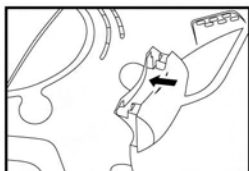
1. During the battery installation, it must be ensured that the polarities of the batteries are matched with that of the battery box. No battery shall be installed with the opposite polarity.
2. Please do not use new and old batteries together.
3. Please do not use different types of batteries together.

Flight preparation and switching off of the aircraft

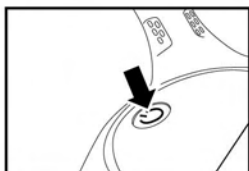
1. Flight preparation



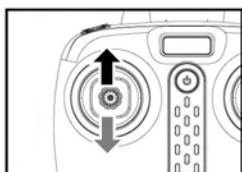
Step 1: Open up the power supply switch of the remote control.



Step 2: Install the aerobat battery in place.

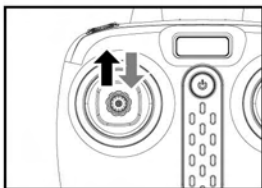


Step 3: Pressing on the power switch on the top of the aerobat to make sure the aerobat in the state of "OFF".

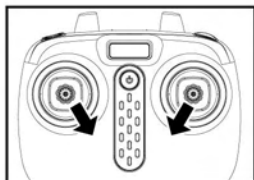


Step 4: Push the left lever (accelerator) to the highest point and then reset to the lowest point. When the indicator lights in the aircraft change from quick flashing to the continuous lighting, it means that the aircraft goes into the flight standby mode.

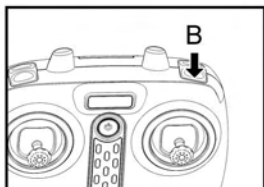
2. Switching on the aircraft



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.

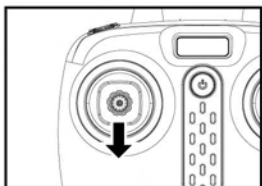


Method 2: Move the left and right joysticks inwards in an internal loop of “8” for 1 second, the ventilation blade of aircraft starts rotating slowly.

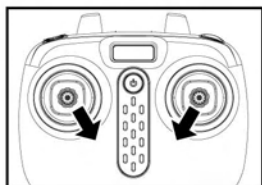


Method 3: When the vehicle is stationary, press the B button, the vehicle slowly rotating blades, automatically rises to a certain height.

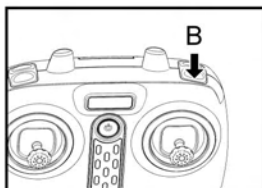
3. Switching off the aircraft



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.

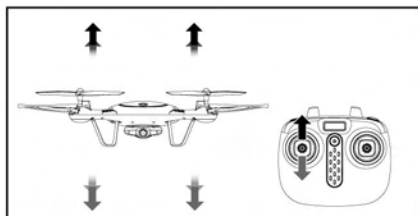


Method 3: When the aircraft is in flight, press the B button, the aircraft fell to the ground and slowly closed the aircraft.

Aircraft controlling diagram

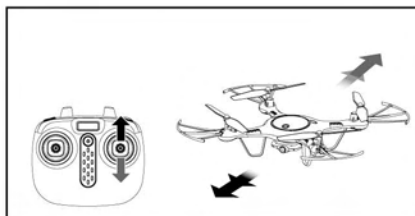
Operating direction

Ascending and descending control



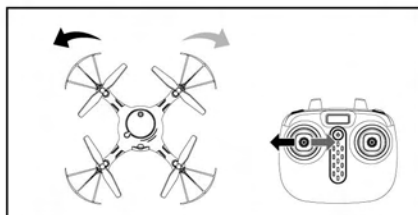
When the left joystick (Accelerator) is pushed upwards or downwards, the aircraft will ascend or descend correspondingly.

Forward and backward control



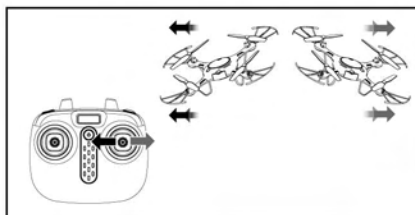
When the right joystick (Turning Rudder) is pushed upwards or downwards, the aircraft will advance forward or backward correspondingly.

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.

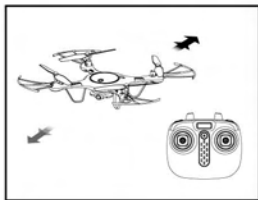
Left side flying and right side flying control



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

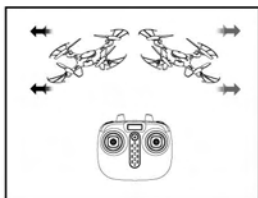
Fine-tuning operation

Forward and backward fine-tuning control



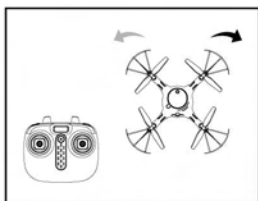
Under the condition aerobat hovering in the air when aerobat automatically flies forward/backwards, one could press down the left operating arm and at the same time push the right operating arm forward/backward to adjust the direction. Don't unloose the left operating arm until aerobat comes into a stable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

Left/right side flying fine-tuning control



Under the condition 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 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.

Product features

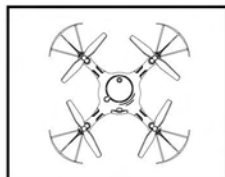
1. Low-voltage protection:

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 certain safety height.



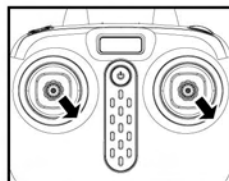
2. Overcurrent protection:

When the aircraft encounters direct impact from 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.



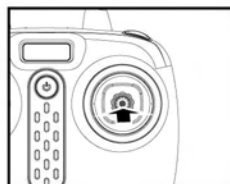
3. Level calibration function:

Place the aircraft on a levelling 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.



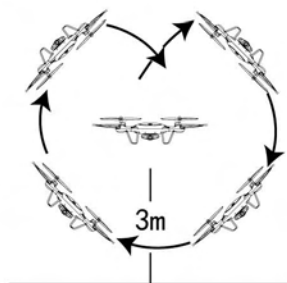
4. Fast/slow gear function:

Slow gear by default on power-on. Possible to switch the function mode of fast/slow gear by pressing on the operating arm on the right side for a short time. It is switched into fast gear mode when two “di di” sound come from the remote control, pressing on the operating arm on the right side for a short time under fast gear mode and then one “di” sound would come from the remote control, then it is then switched back into slow gear mode.



5. 360° flip function:

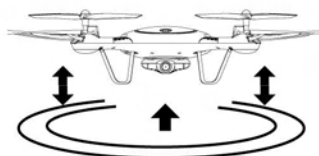
When you are familiar with the basic actions, you can proceed to explore even more exciting and risky overturning actions. Fly the aircraft to a height of above 3 m from the ground, press against the upper right corner button (Overturning Button) on the remote control and simultaneously push the right 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.

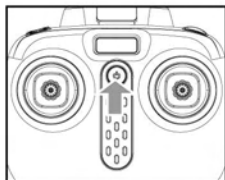
6. Pressure hovering height adjustment function:

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 freed.

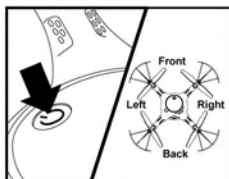


7. Headless function:

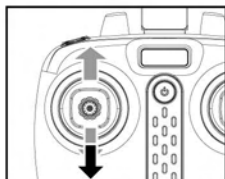
1. Defining forward direction:



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

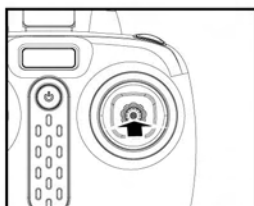


2. After connecting the aircraft to the power supply, push the switch to "ON" location, and adjust the specified direction of the aircraft's head under the headless mode as the new forward direction.

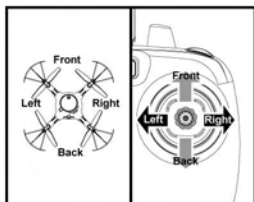


3. Push the accelerator joystick of the remote control to the highest level and then, pull back into the lowest level. When the remote control issues a long beep sound, it means the frequency and defining forward direction functions are completed.

2. Toggling between headless function and normal function:

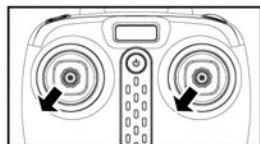


1. After the aerobat matched with the corresponding frequency, the aerobat would be in normal pattern by default. At this time the indicator light on the aerobat would be in a state of on for a long time. After pressing on the right operating arm of the remote control for 2 seconds, the remote control would make a sound of "di, di, di,..." to show that it has entered into a state of , pressing on for 2 seconds then a long sound of "di" would be heard to show an exit status. (When under the state of , four indicator lights on the aerobat are recording lights which flicker once every four 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:



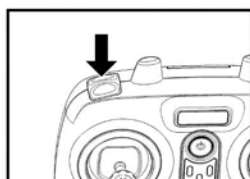
1. When the aircraft encounters a direct impact with foreign objects in the headless mode, if there is an occurrence of deviation of the defined direction, it is only required to push the accelerator and the direction joystick to the left bottom corners simultaneously after rectifying the flying direction 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.

Photo/Video instructions

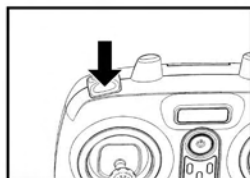
1.Methods

- 1.Camera installation,turn the quadcopter power on,the camera works normally when the RED indicator change form flashing to green and keep light no.If the RED indicator just light on and light off seconds later,it means the indicator light on GREEN.

2.Get to know take photo and video



- 1.Take Photo : Make sure camera normally work, when push the button, camera will take a photo after a beep from transmitter and the GREEN indicator on camera will be RED and flash on time.



- 2.Take Video : Make sure camera normally work , when pull the button , camera starts to take video after a beep from transmitter and the GREEN indicator on camera will change to RED than keep flashing. Press the button again , another beep from transmitter means video stopped and the RED flashing light on camera will be GREEN and keep light on.

Accessories (Optional)

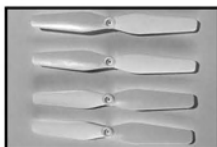
You can choose your favourite optional accessories as below. In order to make it easier for the customers to choose and purchase, we have specially offered each and every accessory. The accessories can be purchased through the local distributors. Please kindly specify the colours during your purchase.



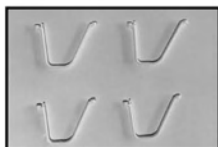
Main Body



Camera



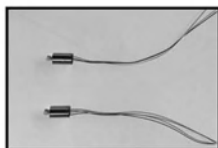
Rotor Blade



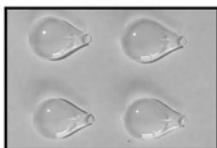
Base Stand



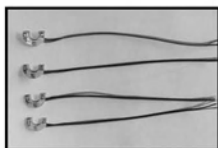
Protective Gear



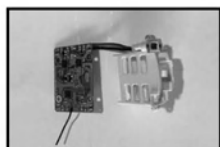
Motor



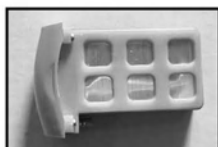
Lamp Cover



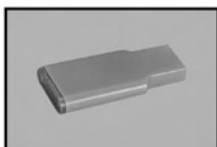
Light Bar



**Receiver
Board**



Battery



Card Reader



USB



Remote Control

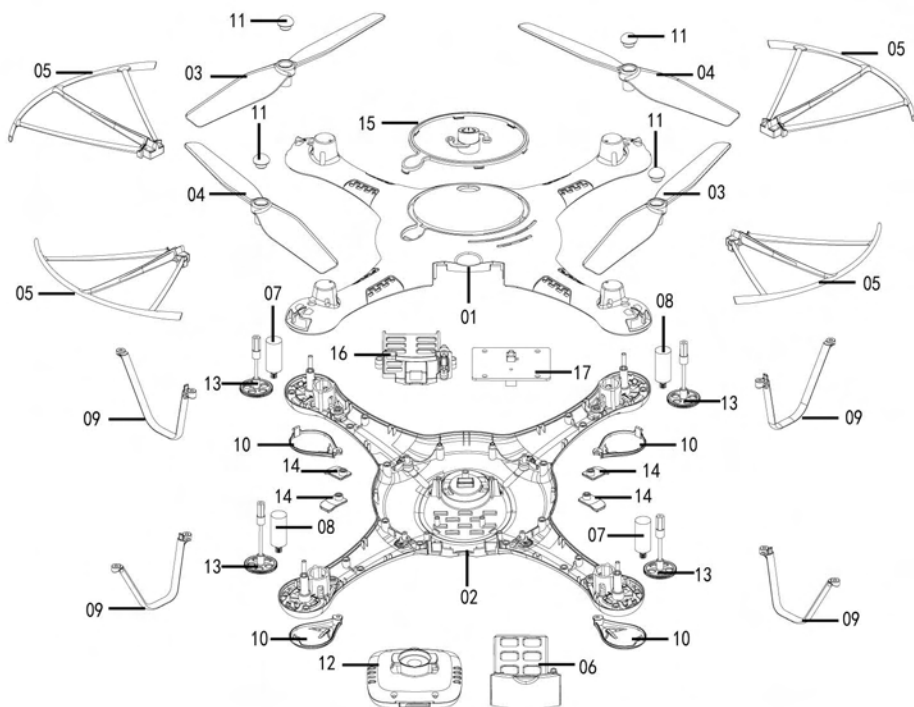


Plating Object



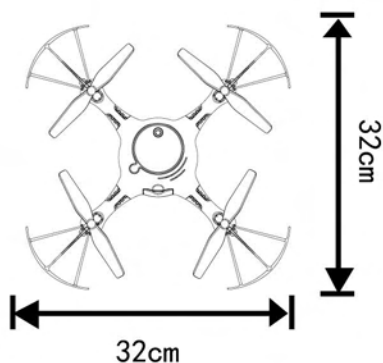
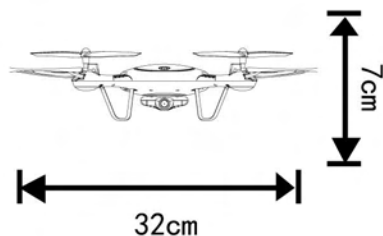
Charge Seat

Product descriptions



NO.	Product Name	Qty.	NO.	Product Name	Qty.
01	Top Main Body	1	10	Lamp Cover	4
02	Bottom Main Body	1	11	Blade Cover	4
03	Main Blade(Clockwise Direction)	2	12	Camera	1
04	Main Blade(Anti-clockwise Direction)	2	13	Gear	4
05	Protective Gear	4	14	Protective Gear Fitting	4
06	Battery	1	15	Main Body Fitting	1
07	Main Motor(Clockwise Direction)	2	16	Battery Cover	1
08	Main Motor(Anti-clockwise Direction)	2	17	Circuit Board	1
09	Foot Stand	4			

Main specifications



Aircraft's Length:32cm Aircraft's Width:32cm

Aircraft's Height:7cm Motor's Model: Ø8X16

Battery: 3.7V/500mAh lithium battery



SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.

Hereby, GUANGDONG SYMA MODEL AIRCRAFT INDUSTRIAL CO.,LTD, declares that this RC DRONE is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

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

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

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.

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.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.