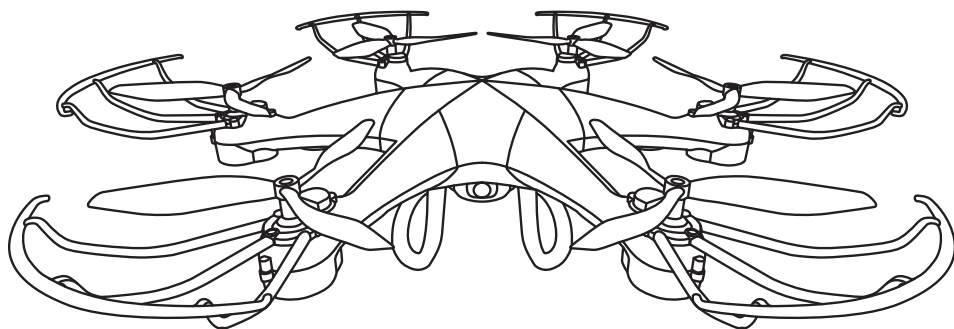# INSTRUCTION MANUAL

6 CH REMOTE CONTROL OUADCOPTER

2.4G

NO.RC126

Key features of quadcopter

·Four-axis struture makes the quadcopter more flexible and rapid when flying. It is wind-resistant and can be flown indoor or outdoor.
·Built-in 6 axis gyroscope for precise hovering in the sky.
·Simple modular design makes changing parts easy.
·With 360° 3D eversion and throwing flight function.

The materials and specification mentioned in this instruction manual or the parts inside this package are for reference only.

PREFACE

Dear Customers:

Thank you for purchasing our flying model. Please read this instruction manual carefully in order to master the skill more quickly and operate this product more safely. In the mean time, please well keep the original of this instruction manual for future reference.

IMPORTANT INSTRUCTION

1. This product is not a toy but a precisive equipment that integrating mechanics and electronics with expertise of aerodynamics and high-frequency transmitting. It requires to be correctly assembled and debugged so as to prevent the accident from being happened.The product owner should operate or control it in safe way. Please noted that we won't take any responsibility for any wrong operation as this may result in severe injury or loss of property and we can not control the operating process during the time when the user assemble or use this product.
2. This product is suitable to be used by people who has operating experience in flying model or age no less than 14 years old.
3. The flying ground we required should be the local field and legal for remote control flying.
4. Once this product is sold，we won't be responsible for any safety responsibility during the time the user operates or uses or controls this product.
5. 1f there is any problem occurred during the time of using, operating or repairing, please reach our sales agent for details.The sales agent that we authorized will provide you with the technical support and after-sale service.

SAFTY&CAUTIONS

This R/C flying model is a high dangerous commodity.Please make sure that it should be flied far away from the crowd.Please also pay more attention to the phenomenon such as incorrect assembly or damaged model or incorrect connection of electronic control equipment.Please also pay attention to the flying safety when operating and know more about the accident that may be happened due to your own negligence.
1 .Keep it far away from the barrier or crowd.
2. Keep it far away from the moisten environment.
3. Use this product correctly and avoid operating by your own.
4. Keep it far away from the high-speed rotating part and heat source.
5. Please conform to the sequence of power ON/OFF.As the picture below shown, incorrect sequence of power ON/OFF may cause this product out of control and affect your own safety or others. Please form a good habit of switching on or switching off this product correctly.

CONTENTS

ITEM NO.	WHAT'S IN THE BOX
RC126	
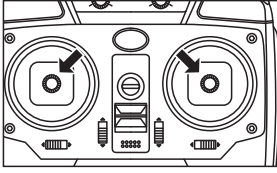
ALTITUDE HOLD MODE

Pull the left control stick to the left bottom and right control stick to the right bottom, the drone will under ALTITUDE HOLD MODE, which means the drone can keep in the same fly altitude, the left control stick(accelerator) will self-return to the center to keep balance, you can push it up or pull it down to control the drone at the altitude that you want it to be, and when you release the left control stick(accelerator).
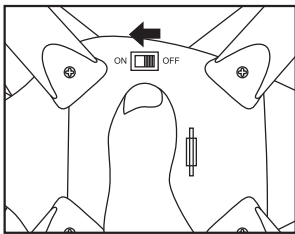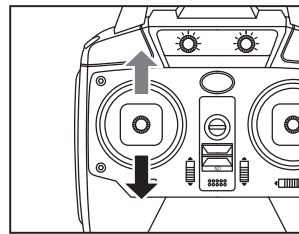
READY TO FLY YOUR QUADCOPTER
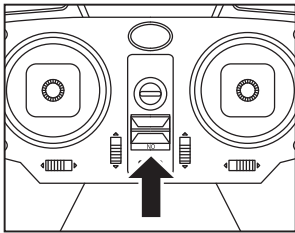
Step 1:Press the ON/OFF power switch up.
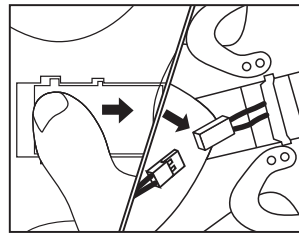
Step2: Open the battery cover and insert the battery into power port.

Step 3: Close the battery cover and turn on the quadcopter.

Step 4: Push the throttle lever to the highest position, And then pull it back to the lowest position. There will be one clear sound from the transmitter, this shows that the quadcopter has entered into the pre-fly state.

Horizontal position
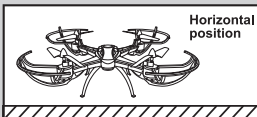
TIPS:When syncing your quadcopter keep it in a horizontal position to start to a stable flight.

- 2 -

CAUTIONS

1. When the indicator of transmitter keep light on but the indicator of quadcopter is blinking slowly, it means signal matching was not successful. Please turn off the power both of transmitter and quadcopter than restart the transmitter and quadcopter.
2. 1f the quadcopter is till flying to on side dramatically or spinning while hovering, please switch off the power of both the quadcopter and transmitter and then repeat the pre-flying steps.
3. When the indicator of the quadcopter keeps flashing slowly, it means that the quadcopter has entered into the low battery state. This time you need to charge the quadcopter with the USB cable provided.
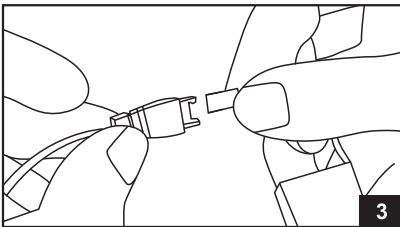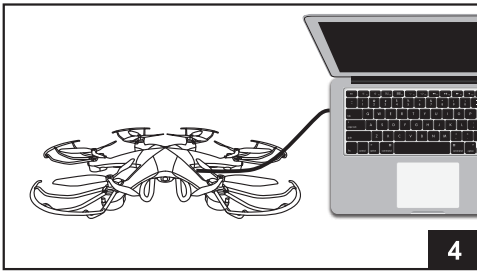
CHARGE BATTERY OF QUADCOPTER

OFF   ON

1
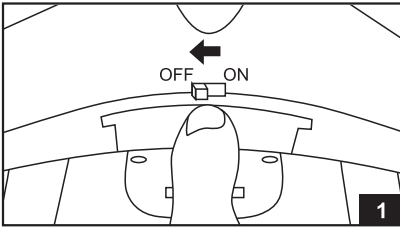
1. Push the on/off switch of quadcopter to OFF position than open the battery cover.

2
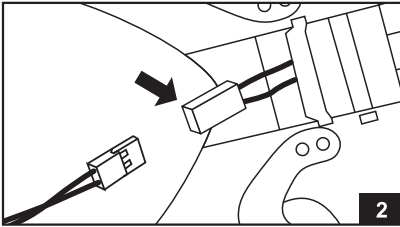
2. Pull out the battery wire from the power port.

3

3. Take out the USB charging cable, and insert the battery power port to the small end of it (Make sure the ports connect tight and correct).

4. To charge battery, please insert the USB port of provided USB charging cable to anyone USB port of computer. The indicator on USB cable will light OFF during charging battery, than it will light ON when battery fully charged.

Caution:
When using the computer for charging, please remember to pull out the charging cable before shutting down the computer.Take the battery cover， and close the battery cover on the quadcopter.
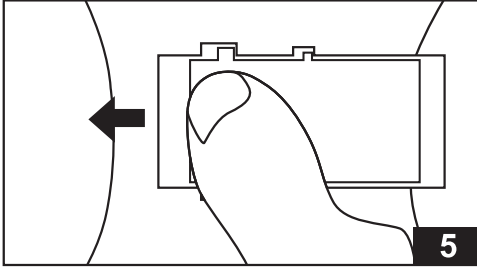
5. Reconnect the battery wire to power port than close the battery cover.

RC126 Charging time: about 120 minutes - Flying time: about 6-8 minutes!

CAUTIONS WHEN CHARGING

1. When charging, please put this product on a dried or ventilated area and keep it far away from heat source or explosive product.

2. When charging, please remove the batteries from the quadcopter. Then charging process should be supervised by an adult so as not to cause an accident.

3. After flying, please do not charge the battery if the surface temperature is still not cool. Otherwise it may cause a swollen battery or even a fire hazard.

4. Please make sure that you use the original USB charging cable provided.When the battery has been used for along time, or appears to be swollen, please replace them.

5. A battery when not in use for along time will lose its charge automatically. Charging or discharging too often may reduce the life of the battery.

BATTERY REPAIR & MAINTENANCE

**1.** Battery should be put in the dried or ventilated place with enviroment temperature about 18-25°C.

2.1n order to enhance the using life of the battery, please avoid repeat charging or excessive discharging.

3.When the battery needs to be stored for a long time,please charge the battery first.That is to say, charge the battery for about 50%-60% of the volume and then well store it.

4.1f you do not use it for more than 1 months, it s highly recommended that you need to check the battery voltage every month so as to make sure the voltage no less than 3V. Otherwise please do by following No.(3) mentioned.
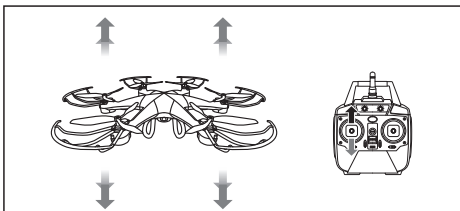
CONTROLLER MODES & INSTRUCTIONS

In order to adapt for more plays' operating habits, our controller sets three different speeds-Low/Medium /High Speed. Speed can be changed by pushing down button "5".
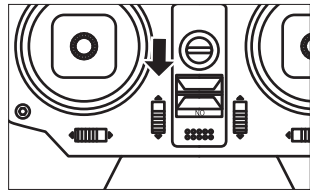
OPERATING DIRECTION

Hover up and down	Forward and backward

Push the throttle up or down, the quadcopter flies upward or downward.
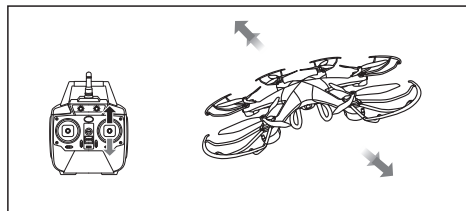
Push the direction lever up or down, the quadcopter flies forward or backward.

Turn Left and Right	Sideward fly
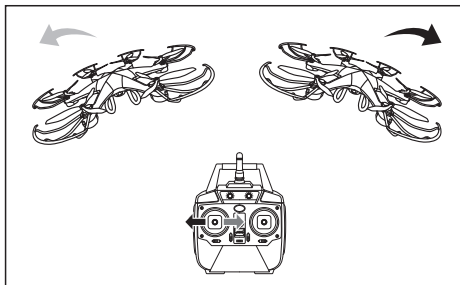
Pull the throttle left or right, the quadcopter turns to left or right.
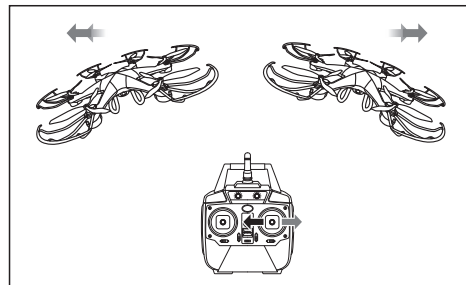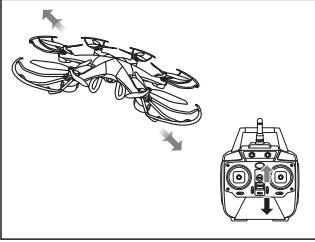
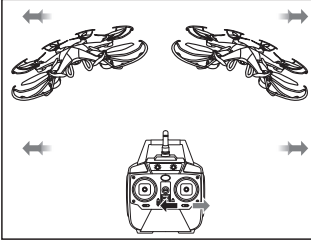Pull the direction lever left or right, the quadcopter flies to left side or right side.
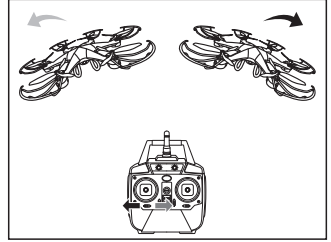
FINE-TUNING OPERATION

Forward/Backward fine-tuning	Sideward fly fine-tuning	Turn left/right fine-tuning

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

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

Turn left/right fine-tuning when the quadcopter keeps rotating to left /right, you can correct it by pressing the fine-tuning button right/left.

INTRODUCTION TO QUADCOPTER FUNCTIONS

Low-voltage protection:
When the quadcopter battery is not enough, the rotors will be stopped power supply.As the quadcopter control systemwill protected battery automatically.

Over-current protection:
When the quadcopters rotating blade is collided orjammed, the control system will stop supplying power for the rotors automatically, Then please re-match the signal for flying.
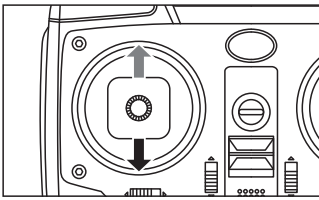
Restart function:
In case of flight disorder or sideward flight, restore factory default settings by the following methods:
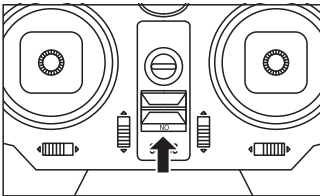
①.Press the power switch to turn on the transmitter.
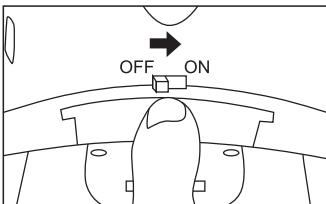
②.Press the power switch to turn on the quadcopter.

OFF   ON

③.When the quadcopter indicator quickly flashing to slowly flashing,please push the throttle lever to the highest position,and then pull it back to the lowest position.Then the quadcopter indicator changed from slowly flashing to normal lights up.
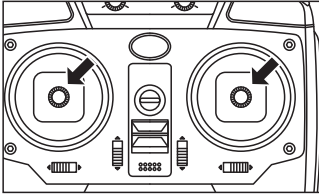
④.Place the quadcopter on a horizontal postion, then push transmitter both left and right lever to lowest left conner for about 2-3 second, indicator on the quadcopter changed from normal lights up to quickly flashing ;After 2-3 second ,the indicator changed to normal lights,it means the quadcopter restarted /reset successfully.
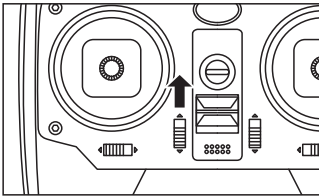
Light Control Function: The LED light on the product can be controlled by pushing up button "5". Push up this button at the first time, the light will be on. Push up again this button, the light will be off.
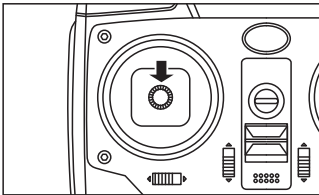
Headless Mode Function:
Under normal control mode, player needs to discriminate front and back of the aircraft, then control forward and backward. RC126 model equipped with headless mode, which is much easy for control. When headless mode was turn on, whatever which orientation the aircraft are, direction is decided by the direction you place when you turn on the quadcopter. How to turn on the headless mode:Press down the left lever, the headless mode will be turn on, press down again the left control lever, the headless mode will be turn 0ff.
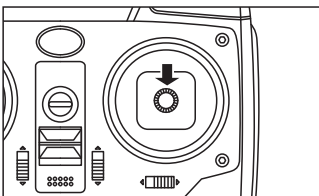
Auto-return function：
When you want the aircraft to auto-return, please drive your aircraft in front of you, and press down the right control lever at once, when aircraft flying back, please keep controlling the up and down stick.

3D EVERSION AND THROWING FLIGHT INSTRUCTIONS

When you are familiar with the basic operation, you can do some awesome & exciting tricks and stunts! First of all,fly the aircraft to a height of more than 3 meters, press the 3D Eversion switch on the rear right side of the transmitter,then push the right rudder(in any direction)to make 360° degree flip.
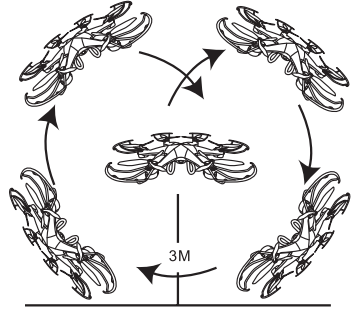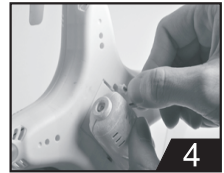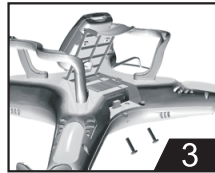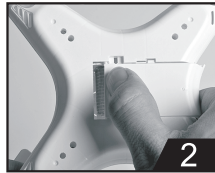
Tips:
3D eversion goes better when batterypower is enough.

3M

Thanks to the 6 axis gyroscope,you can throw the quadcopter and push the throttle right up,it will automatically level out and hover smoothly in the sky,This can also be done when the quadcopter is rolling.

INSTALL CAMERA (Instruction for the version with camera)

1   2   3   4

1.Push the camera into a hold on the battery cover(Figure 1).
2.Open the battery cover with camera (Figure 2).
3.Lock screws to add-on the camera tight(Figure 3).
4.Close the battery cover with camera than insert the 3-pin plug to the hold in side (Fighure 4).

PHOTOGRAPHY/VIDEO INSTRUCTIONS:

1.Methods:

①Make sure the 3-pin plug of camera is inserted to the quadcopter.

②Turn the quadcopter power on, the camera works normally when
 the RED indicator change form flashing to green and keep light on.
 If the RED indicatorjust light on and light off seconds later, it means
 the SD card is not in the camera. Please insert the SD card. Than
 the indicator light on GREEN.

2. Get to know how to take photo and video:

(1).Turn on the transmitter and pull left lever up and
    down to connect signal between aircraft and transmitter.

(2).Take Photo: Make sure camera normally work, press the
    button on the rear left side of the transmitter, camera will
    take a photo and the GREEN indicator on the camera
   will be RED and flash one time.
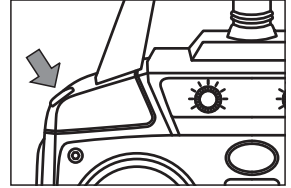
3 .Take Video: Make sure camera normally work, press the button on the rear left side
   of the transmitter and hold on for 3 seconds then release, the camera starts to take
   video and GREEN indicator on camera will change to RED and keep flashing.
   Press this button again, the camera will stop video work and the RED flashing light
   on camera will change to GREEN.

TROUBLE SHOOTING

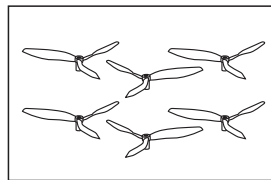| Problem	Reason	Solution
No response from the quadcopter	1.Quadcopter battery power not enough; 2.Transmitter battery power not enoughv; 3.The band of the transmitter does not correspond to the decoding of the quadcopter.	1.Charge the quadcopter; 2.Charge or replace them if required; 3.Adjust the band on the transmitter and rceep it the same as the quacopter.
If the quadcopter is slow to responc or difficult to Maneuver	1.Insuffcient power with the transmitter; 2.Transmitter of the same frequency is used nearby.	1.Replace the battery; 2.Use the helicopter out of the range of other RC quadcopter.

SPARE PARTS

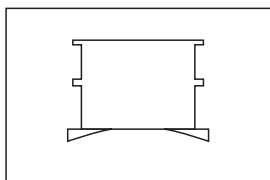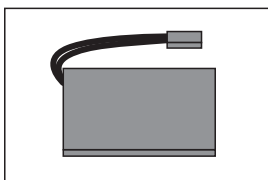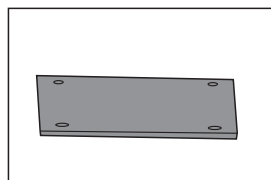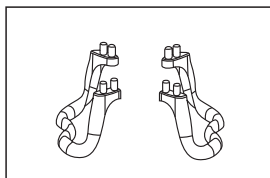All the sare parts below can bought from local distributor.
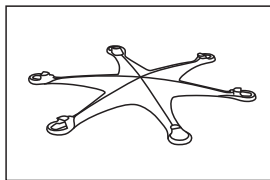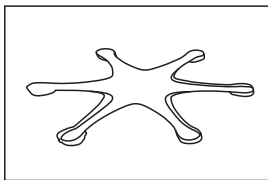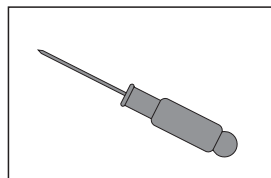
Upper frame	Bottom frame	Blade
Battery cover	Battery	PCB
Skid	USB charging cable	Screwdriver
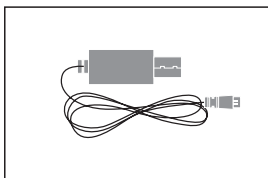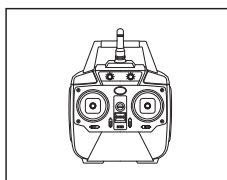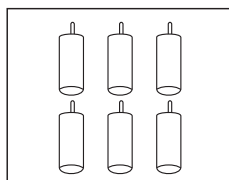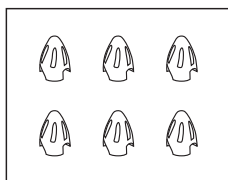
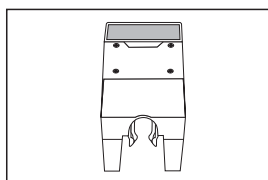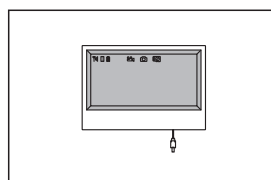|			
Transmitter	Motor	Blade cover	Lampshades
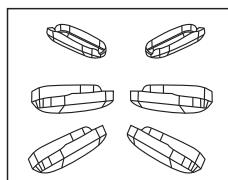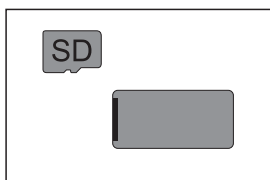
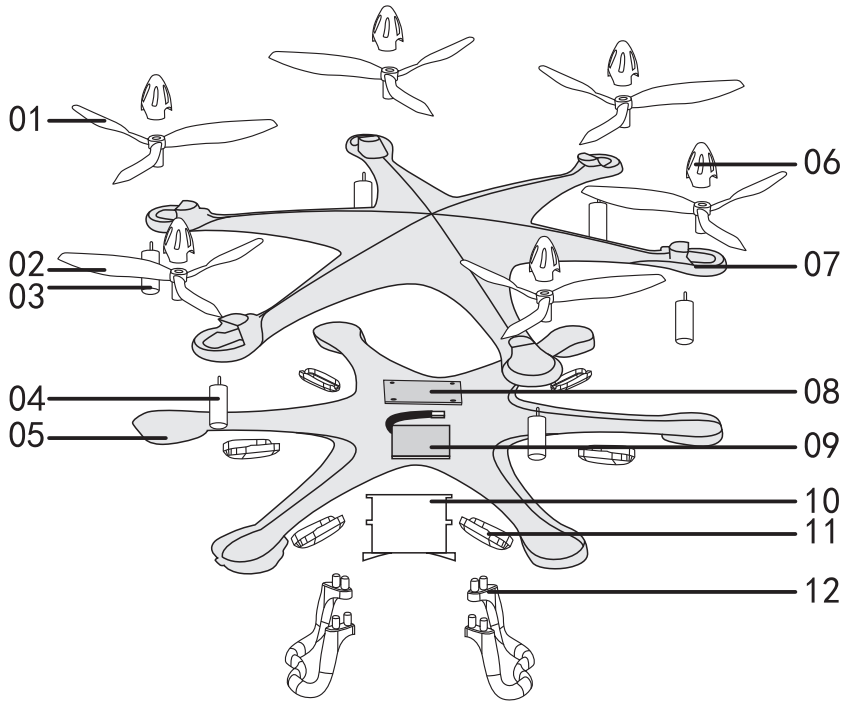|		
Storage Kit	Fixing component	Monitor
ONLY FOR CAMERA VERSION EXCEPT RC126W	ONLY FOR VERSION RC126W&RC126F	ONLY FOR VERSION RC126F

BREAKDOWN & DIAGRAM

Code	Description	Quantity	Code	Description	Quantity
01	**Blade A**	**3**	08	**PCB**	**1**
02	**Blade B**	**3**	09	**Battery**	**1**
03	**Motor A**	**3**	10	**Battery Cover**	**1**
04	**Motor B**	**3**	11	**Lampshades**	**6**
05	**Bottom frame**	**1**	12	**Skid**	**2**
06	**blade cover**	**6**			
07	**Upper frame**	**1**			

MAIN PARAMETER
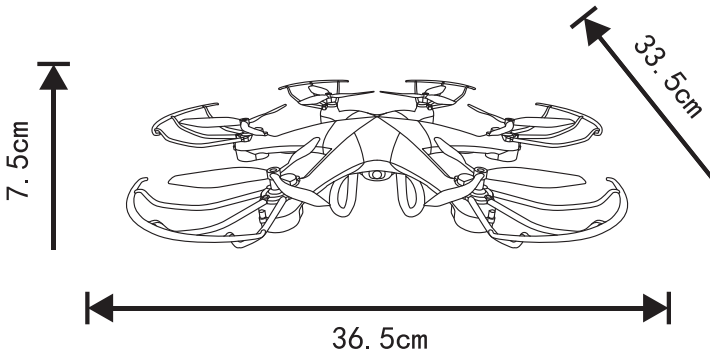
7. 5cm

33. 5cm

36. 5cm

Body length: 36.5cm   Main motor code: ∅8
Body width: 33.5cm   Battery: 3.7V 800 mAh Li-poly
Body high: 7.5cm

SPECIFICATIONS AND COLORS OF CONTENTS MAY VARY FROM PHOTO.

MADE IN CHINA

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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.