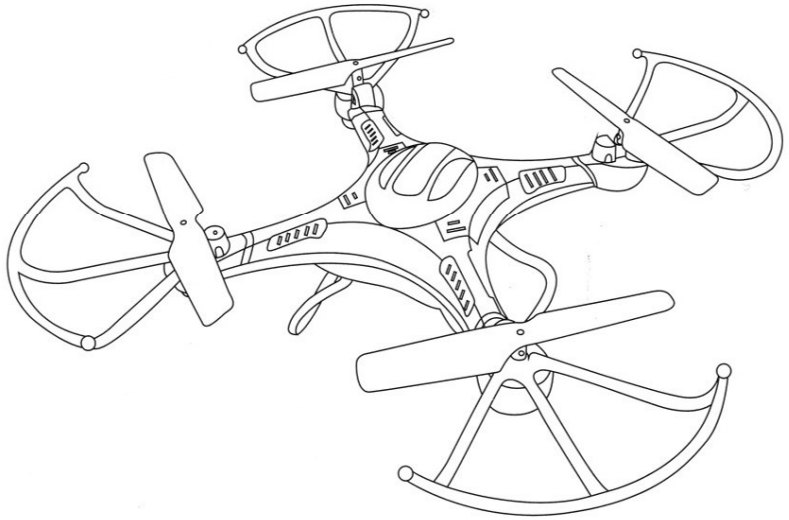
14+ AGES

F+SERIES

2.4GHZ

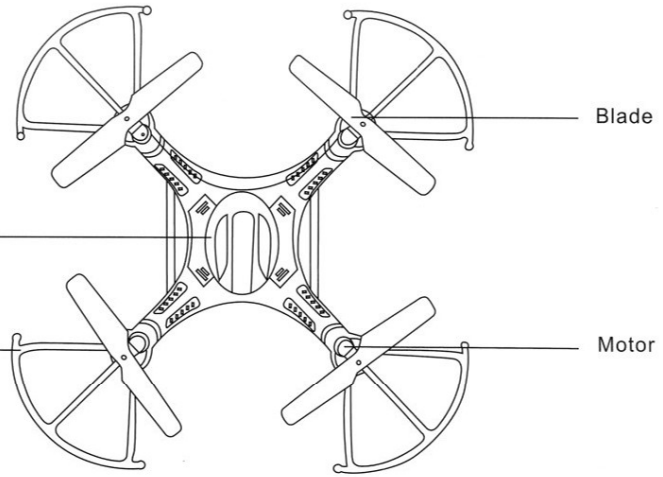
Quadcopter with built in six-axis gyro built in

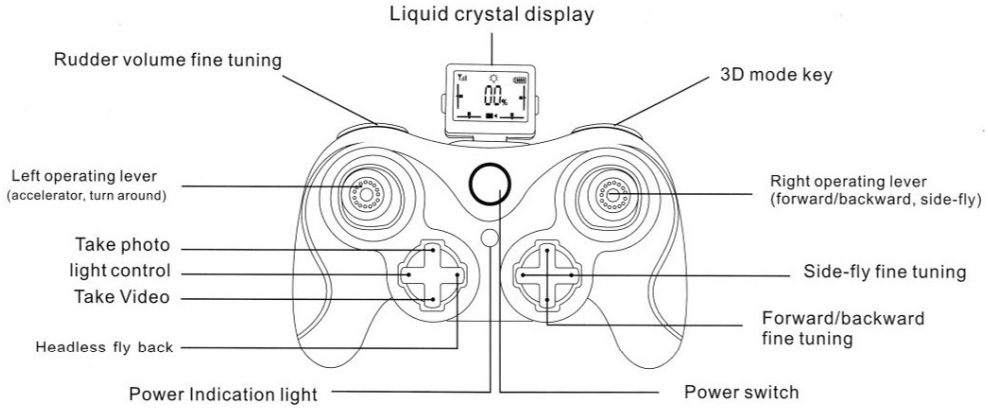
Instruction for use

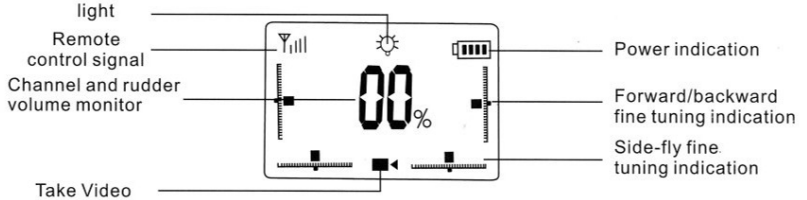


The knowledge and safety notes below are useful for you in the remote control world.Please read this manual carefully before operating this product and keep it for further reference.

Parts name



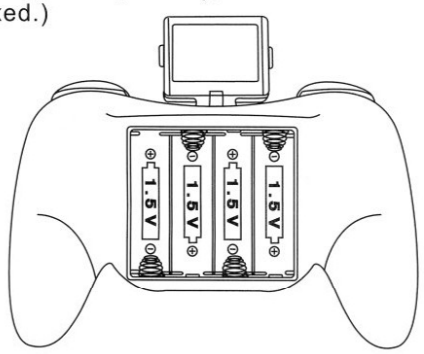


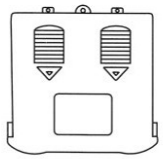


Note: Headless fly back key is to enter or exit the headless flay back mode. After enter this mode, the remote control would pronounce "di" intermittently , and the quad copter's indication light would flash as for hint; at the moment that the quad copter is defined to enter this mode, the direction which face the player is defined as the front side; after enter this mode, the quad copter will fly back to the player; when the quad copter enter into the player's visual field, the player only if push the right lever at any direction can makes the quad copter stop flying back, at this moment, no matter the head of the quad copter face to which side, the player only if to push the right lever to front or back or left or right, the quad copter will move to the front or back or left or right, then to realize the headless operation. Press this key again slightly to exit this mode.

Assembled remote controller

Open the battery cover on the back of remote controller. Insert four #5 alkaline batteries in accordance with the instructions on battery box. (Battery should be purchased separately, old and new or different types of batteries shouldn't be mixed.)



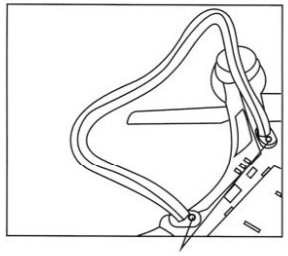


Battery cover

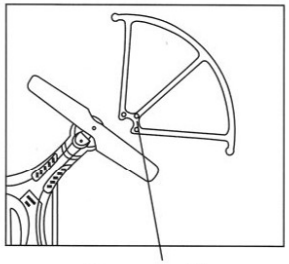
5 Alkaline batteries

Quadcopter assembling

1: Prepare screw driver, bracket and protect cover
2:Insert the two sets brackets into the bracket holes at the bottom of the quadcopter (as picture shown), and then lock the four screws tightly
3:Insert four protection covers into the holes of the the protection cover, which beside the four blades, and use the screw knife to lock four screws tightly.



Screw position

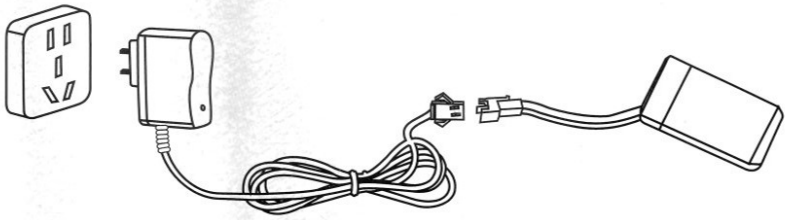


Screw position

Recharge the quadcopter battery

Insert the factory equipped charger plug into the power, the recharger indicator is green, then connect the product battery, the indicator will turn to red, it indicate the battery is under recharging, when the indicator turns to green again under the recharge status, that means recharge finish and the battery is full. Whole recharge time will be around 100 minutes 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 quacopter will roll to the direction corresponding to the right control stick, if need to quit then press the key again

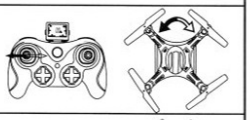
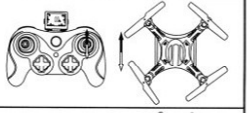
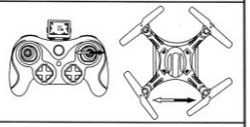
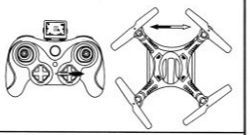
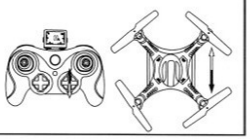
When the quad copter suspending and deviate too much, the player can re-adjust the median size to improve the quad copter's suspending condition. The operation way is to put the quad copter on the level floor, then slightly press the 3D mode which on the remote control's upper-right side, then simultaneously push the two operation lever to the bottom-left for 3 seconds, and release the operation lever after the indication light of the quad copter is flashing, waiting about 2 seconds until the indication light turn into constant on, the re-adjusting of the medium size is finished.



Preparation before taking off

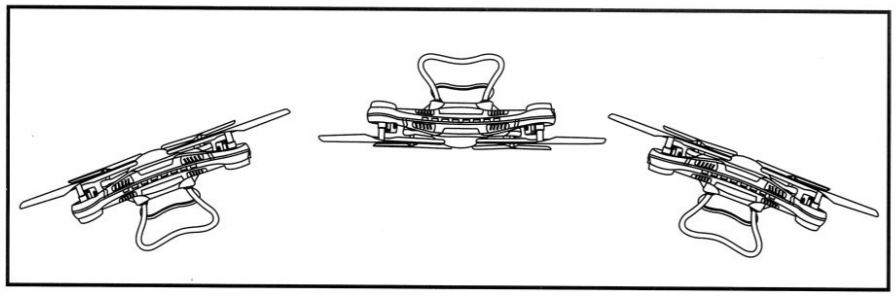
1. Please operate in spacious indoor or outdoor without rain or snow, and wind power should be below 4 grade, be away from people, animals and obstacle.
2. Insert the Li-po battery provided by factory into quadcopter, the indication light of the quadcopter is flashing, then put the quadcopter on leveled place and wait for frequency adjustment.
3. Pull the acceleration lever to the lowest, turn on the remote control's switchover, push the acceleration lever to the highest, then pull it back to the lowest again. There will be a "di" sound and the quadcopter indication light turns on, then the frequency adjustment is completed and it's ready for taking off.

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.	

In case that the quadcopter might descend on a further or insecure zone due to the insufficent batttery power when flying outsides,the quadcopter is specially designed with the function of secure warning. when the battery power is insuffcient, the led light would turn from constant lighten to flashing.Then player may have time to take back the quadcopter and change the battery or recharge for the next flight.

3D roll over



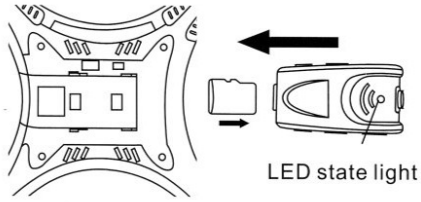
Sightly press the 3D mode key, then the indication light on the quad copter would flashing and pronounce "di" continuously, ascending the quad copter to 2 meters high, and then push the right operation lever to the bottom at any direction, the quad copter will roll over to the corresponding direction, re-operate the movement above to re-roll over.

Instruction for video shooting and photographing
(F182C webcam kit should be purchased additionally)

1. Insert the SD card slightly into the webcam module's card channel, then tie the module as the picture shown to the card position which is at the bottom of the battery box, and then open the upper cover and take out the webcam's plug and insert it into the red video shooting outlet of the circuit board.

2. by pressing the photo mode key of the remote control, the red light would flash once, meaning that the quadcopter is taking photo; by pressing the video shooting mode key, the red light turns into constant on, meaning that the quadcopter is taking video. Press the video shooting key again to stop the shooting and the red light turns off, that means the video shooting is finished.

3. press the SD card slightly to take it out, then insert the card into the card reader and insert it into the USB outlet of the computer to read the data of aerial photography from "my computer"—"portable hard disk".



LED state light

Warm Tips:

1. press The video shooting key again to save the video when finish the video shooting.
2. An AVI form should be compatible to the video playing software
3. the red light indicator will be flashing quickly when the SD card is not inserted or full.

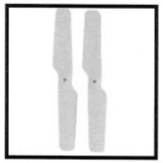
Common problem and solution instruction:

The problem	Reason	Countermeasures
The indication light of the quadcopter is flashing and without reaction when operated	1.Frequency modulation between the quadcopter and remote control is not operated correctly. 2.Insufficient battery power	1.Refer to the Preparation for taking off,and re-modulate the frequency. 2. Recharge the battery
The quadcopter's blades turn around but the quadcopter cannot take off	1.insufficient battery power 2.the blades distorted	1.Recharge the battery 2.Replace the blades
The quadcopter shakes hardly	The blades distorted	Replace the blades
The fine tuning button are all on but the quadcopter still couldn't keep balance	1.The blades distorted 2.The motor doesn't work properly	1.Replace the blades 2.Replace the motor
The quadcopter becomes out of control after crashing	Three-axis acceleration sensor lose its balance after crashing	Put the quadcopter on the ground for 5-10 seconds

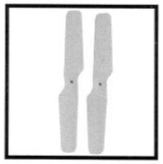
Accessories (choose to buy)

1upper cover

2lower cover



3Clockwise blades
(serial number A)



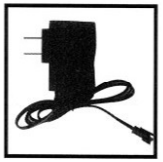
4Reversal blades
(serial number B)

5Counter-clockwise
(Red blue line)

6Reversal motor
(black white line)

7Battery

8Receiver board



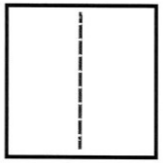
9battery charger

10Webcam kit

11Gear assembly

12Protect cover

13landing gear



14LED lamp group

15screwdriver