



# Speedy F250

Naze-6DOF



**Quick Start Guide**

# Flight Safety Tips

Strongly recommend the user to enjoy the pleasure of flight in a safe and reasonable environment . The necessary flight safety is very important to you, the people around you and the environment.

1. Fly in the open space: please stay away from buildings, trees, high pressure lines and other obstacles, and keep away from the water, the crowd and the animals.
2. Please keep small accessories and electronic products in the place where children can not reach.
3. Please do not put any part of the model into the mouth, otherwise it will cause serious damage, and even death.
4. Do not touch the rotating parts.
5. Fly in the visual range: please keep the aircraft in sight, avoid flying to tall buildings and other objects that might stop the line of sight.
6. Control flight height: in order to ensure the flight safety of aircraft and civil aviation, the aircraft's height control in 120 meters. If you are in the area of a flight height limit of 120 meters or less, please follow the rules.

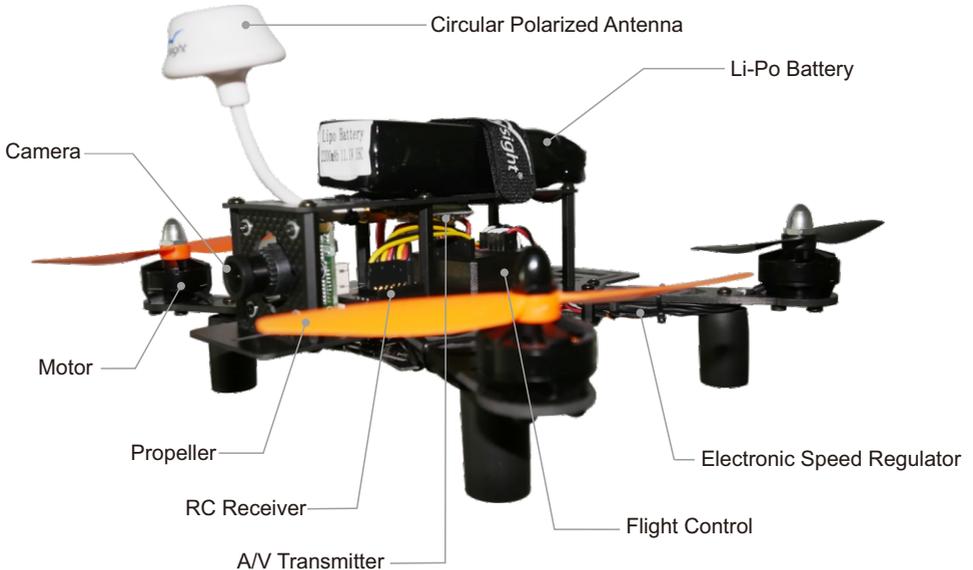
# Flight Environment Requirements

1. Do not fly in bad weather, such as strong winds (10 m / s), snow, rain, foggy weather, etc..
2. Do not fly in a high voltage line, communication base station, transmission tower or Wi-Fi hot spots, etc., in order to make the remote control avoid interference.
3. Fly at an altitude of above 6000 meters, due to environmental factors leading to the decline in the performance of the aircraft battery and power system, flight performance will be affected, please be cautious.

# About Speedy F250

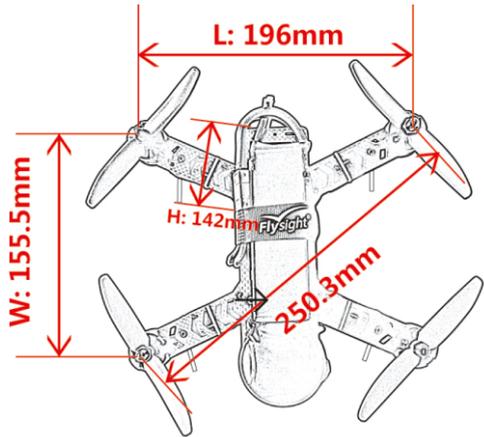
Speedy F250 with automatic return and protection function out of control,when Speedy F250 loses the signal , it can start the protection function out of control and return automatically to takeoff point.

## F250 Fuselage Structure:



## F250 Fuselage Specification:

Size(LXWXH): 196x155.5x142mm  
 (with cloverleaf antenna)  
 Flight Weight: 500±10 g  
 Flight Time: 11-13mins  
 Flight Control: NAZE 32RC  
 Transmitter: WFT07  
 RC Receiver: WFR07 5V input  
 Working Tem.: -10°C - +40°C  
 Lipo Battery : 11.1V/2200mAH/35C  
 Camera: Sony CCD 700TVL/2.8mm/12V in  
 Brushless Motor: 2204/2300KV  
 Brushless ESC: 15A continuous current  
 (peak current 20A)  
 FPV Transmitter: 5.8G 200MW 32CH 12V in

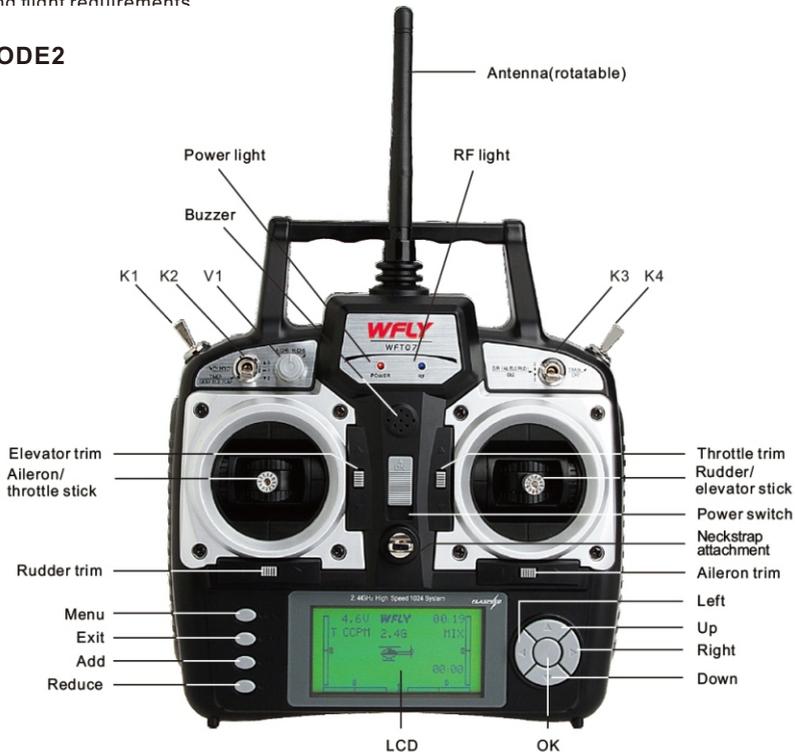


## About the RC Transmitter

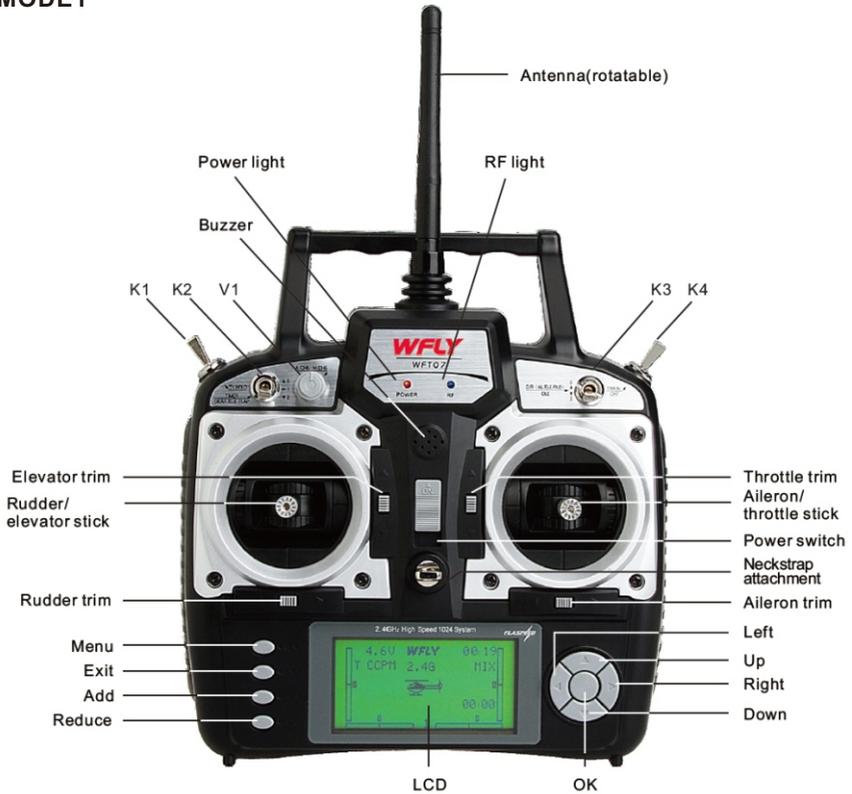
FlySight Speedy F250, its standard RC transmitter is WFLY-07 as below, its max distance is 1000m.

Remote control has four custom channels, users can install the channel function according to their own habits and flight requirements

### MODE2



# MODE1



## P.S.



1. Custom Switch: K1、 V1、 K3、 K4
2. Flight Mode Switch: K2,3modes as below:
  - 0-ANGLE
  - 1-ANGLE
  - 2-HEADFREE

More instruction on the RC transmitter WFLY-07, please go to the link to learn more:  
[http://en.wflysz.com/include/upload/kind/file/20141121/20141121094208\\_4759.pdf](http://en.wflysz.com/include/upload/kind/file/20141121/20141121094208_4759.pdf)

# Flight Preparation

## Motor Rotation Direction Check

1. Turn on the RC transmitter.
2. Connected the power of the aircraft, wait for self check(after self check completion, the red and blue indicated light of the flight control is on ;green lights is off), Do Not move the aircraft during this process.
3. Please make sure the normal connection between the RC transmitter and the aircraft (RC receive and RC transmit connection fails, the "STATUS" red indicator light on the receiver is on; otherwise, it is off).
4. Unlock the aircraft, check the motor rotation direction (Diagram 1). Please make sure that the motor rotation direction is correct before installing the propellers, otherwise it will cause the aircraft to crash, causing damage.



Diagram 1

## Aircraft unlock and lock

Mode 2--Unlock (Diagram2) and Lock (Diagram3)

1. Unlock: pull the left stick to the bottom on the right corner for 2 seconds, the green light of the flight control system is on ,that means unlock successfully, the motor starts to rotate. (Diagram2)
2. Automatic lock: the aircraft has automatic lock function, keep the lowest throttle for 5 seconds, the aircraft will automatically lock.
3. Manual locking: pull the left stick to the bottom on the left corner for 2 seconds, the green light of the flight control system is off ,that means lock successfully. (Diagram3)



Diagram 2



Diagram 3

## Mode 1--Unlock (Diagram4) and Lock (Diagram5)

1. Unlock: pull the right stick to the bottom, meanwhile pull the left stick to the bottom on the right corner for 2 seconds, the green light of the flight control system is on ,that means unlock successfully, the motor starts to rotate (Diagram4) .
2. Automatic lock: the aircraft has automatic lock function, keep the lowest throttle for 5 seconds, the aircraft will automatically lock.
3. Manual locking: pull the right stick to the bottom, meanwhile pull the left stick to the bottom on the left corner for 2 seconds, the green light of the flight control system flicker slowly ,that means lock successfully. (Diagram5)



Diagram 4



Diagram 5

## Flight Operation Instruction

### Install the propellers

**Note:** Wrong installation of the propellers will lead to the flight crash.

Please confirm the correct motor rotation direction, then install the propellers properly on the aircraft; when you install the propellers, please attention to the positive and negative direction of the propellers, one hand hold the motor, and the other hand tighten the screw.

Be sure to tighten the screw manually to ensure that the propeller is installed correctly and properly.

### Take off/ Land

#### Take off:

After the aircraft is unlocked successfully, the motor starts and release the rocker, slowly push the throttle lever upward(default left sticker,Mode2), the aircraft takes off.

#### Land:

Pull the throttle lever downward slowly, and the aircraft reduce the flight height until it lands on the ground. Pull the throttle lever to the lowest position to stop the motor, and lock the aircraft manually or wait for it to lock automatically .

During the flight, do not stop the motor, or the aircraft will crash. Unless special circumstances occur (such as an aircraft may crash into the crowd), you need stop motor peremptorily to minimize the damage.

Please turn off the aircraft, and then the RC transmitter.