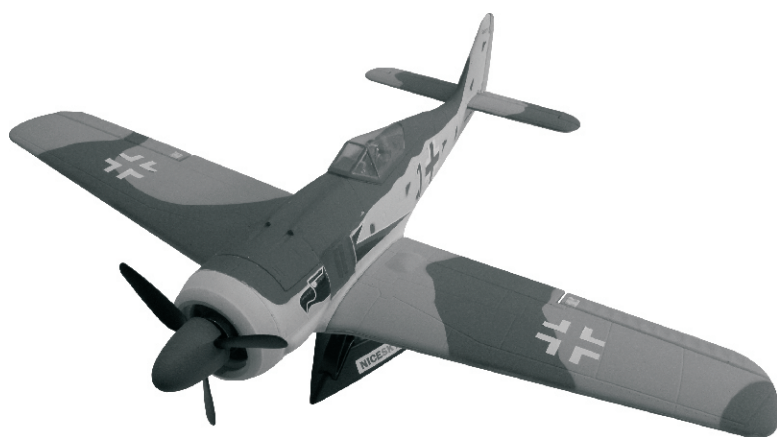


# **FOCKE WULF FW-190**

**REMOTE CONTROL MODEL AIRPLANE  
OPERATING MANUAL**



**Shenzhen NICESKY Model Co., Ltd.**

# 【FW190】

## Please read before operating this system!

Thank you for purchasing an innovative product designed for hobby enthusiasts. The plane integrates the use of a radio transmitter, a speed controller, an electronic motor and electronic servos providing longtime enjoyment. We'll have a specific instruction about this.

### Features:

- \* Featured 3 blade propeller to enhance scale realism.
- \* Combination of static model and dynamic airplane.
- \* Scale and vivid details are recreated with panel lines, machine guns and air intake.
- \* Easy to assemble and excellent dynamic performance.
- \* Almost fully pre-assembled with finished color scheme.
- \* Hard surface of the lightweight fuselage design realized its dynamic flight performance.

### Specification:

Length: 595mm

Wing span: 680mm

Flying weighth: 270g

Motor:2000KV brushless motor

ESC:12A

Transmitter:4CH

Receiver:micro 4CH

Servo:9g X 3

Battery: 7.4V 650~850MAH 15-20C LI-PO

### Safety Tips:

1. Never fly in strong wind or bad weather.



# 【FW190】

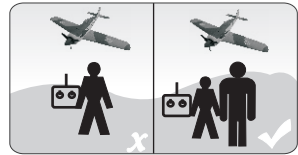
2. Make sure that you have enough open area for flying.



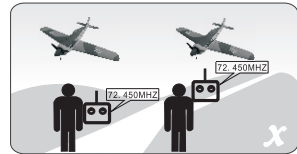
3. Never fly this model in crowded areas where there are a lot of people, power lines or automobiles. Also do not fly around the highway and the airport. As the plane flies at high speed, you need enough space for operating. Please remember that you are responsible for the safety of others.



4. Customers under the age of 14 are not advocated to operate the product. Operator above the age of 14 should be guided by experienced pilots.



5. Before flying, check and make sure that no one else is operating on the same frequency, avoiding causing interference.



6. Do not attempt to catch the plane while flying. Please do not touch the propeller.

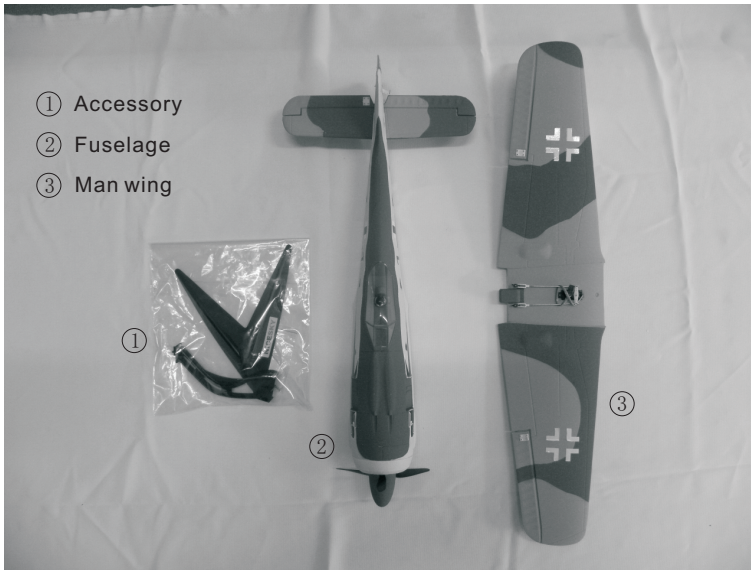


## Statement:

1. This model aircraft is not a toy. It is suitable for the experienced model enthusiasts only. You are responsible for the model's safe operation. Avoid causing any damage or injury.
2. Users should follow all instructions properly and assemble the model correctly. It is your responsibility to ensure the battery is charged correctly for these instructions.
3. Please adjust and operate the model aircraft according to the instruction manual. Avoid doing harm to the human or the plane.

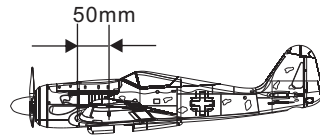
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## Main parts of Fw190



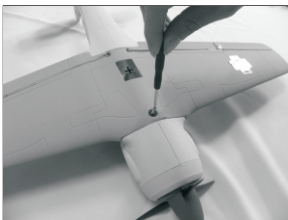
## Center of gravity:

The CG is located in the back away from the leading edge of the main wing for 50mm.



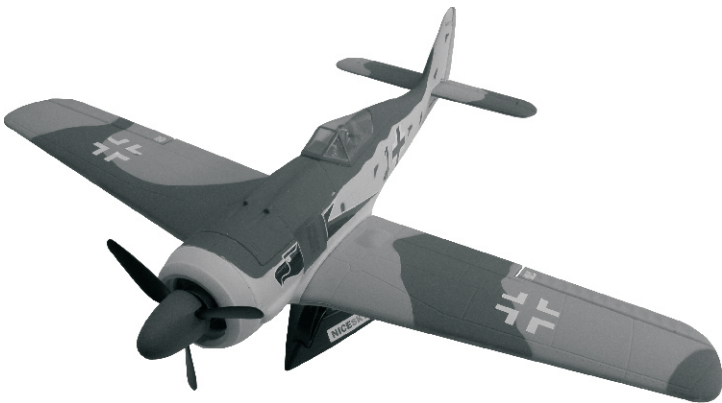
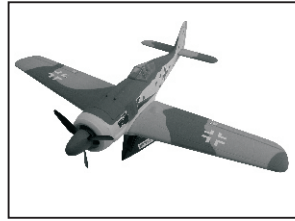
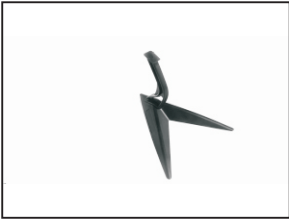
## Instruction of Assembly for the plane.

1. Please connect the fuselage and the main wing as the picture below. Then using the screw to fix the bottom of the main wing.



# 【FW190】

2 Please install the electronics and adjust well. Close the canopy. The installation is finished till now.



Advice:the best adjustment angle for first flying!  
Aileron: minus 6 degree to 6 degree  
Rudder: minus 8 degree to 8 degree  
Elevator: minus 10 degree to 10 degree

# 【FW190】

## Safety Instructions for charging:

1. When the battery needs charging, connect the charger with the battery according to the mark on the charger. Please pay attention to the positive pole and the negative pole, avoiding burning the battery for short circuit.
2. If a balance charger is used and time permits, try to minimize the current so that the life can be extended.
3. Whether to use wall charger or balance charger, please do not use it unwatched. If any abnormality occurs (such as the power indicator is off, the temperature of the battery rises rapidly, etc), stop charging immediately.
4. When the battery is charging, please do not place it near flammable materials.
5. When the battery is charging, please keep it out of the reach of children.
6. When the battery is not cooled down, please do not urge to charge it.
7. Make sure the battery discharged under 5C voltage and avoid discharge for too long, or it'll do harm to the battery.
8. Please stop immediately if the battery swells up or leaks. Nor is the temperature above 160°F(70°C).

## Safety Instructions for Li-POLY Batteries:

1. Never disassemble, puncture, shock, crash, short or put the battery into the fire.
2. Do not short-circuit the battery.
3. Do not use the battery near the fire or place it in the heated place ( more than 80C ).
4. Do not put the battery in water or the wet place .
5. Do not use the battery with conspicuous damage or deformation.
6. Do not weld the battery directly.
7. Do not discharge exceeding the max current or it'll be overheated and cause explosion, burst or even fire.
8. Do not touch the leaking battery directly.
9. Do not mix the Li-poly battery with other non-rechargeable battery .
10. Do not put the battery into the microwave oven or high-pressure vessel.
11. Do not keep or use the battery under the sunlight.
12. Put the battery or pack at a safe place that infants or kids can not reach.
13. When minors use the battery, parents should give them right guidance.
14. The suggestions above show the danger of improperly using battery. Users will be in full charge of the result.

## Pre-Flight Check:

1. Check for any bends or damaged parts on main wing, fuselage or tail wing.
2. Check the propeller fans, adapter and all screws are securely fastened.
3. Always check there are no other pilots using the same frequency (band) in the same area!
4. Make sure the power switch is OFF on the plane before connecting the battery. Make sure you see clear of the propeller.
5. Switch the transmitter on, then switch the receiver on.
6. Check plane responds properly to control signals.

7. Screw the antenna all the way into the transmitter and test the range of the radio signal. With the transmitter and model switched on step back around 20m and check for the interference.
8. If there is no interference, the plane is ready to fly now.

## Taking off:

1. Extend transmitter antenna all the way and check plane responds properly to transmitter signal.
2. Face into the wind, hold the plane horizontally and launch with a pushing motion.

## Flight:

1. The plane should fly level at around 50% of full throttle.
2. The flight time will be prolonged if you allow the plane to glide sometimes at a safe altitude.
3. Keep flight straight: when you find it is difficult to fly straightly, please adjust the trim on the transmitter. toward the verse direction-right, as this will move the rudder to compensate.
4. Keep flight horizontal: when you find it is difficult to fly it straightly, please adjust the trim on the transmitter. For example, when you find it always fly upward, please push the trim on the transmitter toward the top, as this will adjust the position of the elevator.

## Land:

When the battery runs low, the auto-cut relay may stop the propeller from rotating or you should place the throttle to minimum. when the propeller stops rotating, decide your landing route based on the wind direction and landing area. Turn wide into wind. Once flying into the wind, use the rudder to stop any left/right way. Once horizontal, land the plane without using elevator, keeping the plane horizontal with the rudder or aileron. From altitude of about 1m, use the elevator to land the plane horizontally. These ensure a safe landing.

Problem	Reason	Solution
Motor does not function	<ul style="list-style-type: none"> <li>• Battery level is low</li> <li>• The battery level of the transmitter is low</li> <li>• The circuit of the plane is damaged</li> </ul>	<ul style="list-style-type: none"> <li>• Charge the battery</li> <li>• Replace the battery in the transmitter</li> <li>• Contact your local dealer</li> </ul>
Can not fly straightly	<ul style="list-style-type: none"> <li>• The rudder is not installed in the center of the fuselage</li> <li>• The front landing gear is not facing forward</li> </ul>	<ul style="list-style-type: none"> <li>• Adjust the trim on the transmitter.</li> <li>• Reassembly the main wing</li> <li>• Verify the nose landing gear</li> </ul>
Can not climb	<ul style="list-style-type: none"> <li>• The battery level is low</li> <li>• The elevator slopes downward</li> </ul>	<ul style="list-style-type: none"> <li>• Charge the battery</li> <li>• Adjust the trim of the transmitter</li> </ul>
Control distance is short	<ul style="list-style-type: none"> <li>• The battery level of the transmitter is low</li> <li>• The antenna is not extended completely</li> </ul>	<ul style="list-style-type: none"> <li>• Replace the battery of transmitter.</li> <li>• Extend the antenna fully</li> </ul>

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**[www.nicesky.net](http://www.nicesky.net)**