INTRODUCTION
Thank you for buying Flywing Products. The FW 450 Helicopter is designed as an easy to use, full featured Helicopter RIC model capable of all forms of rotary flight. Please read the manual carefully before assembling the model, and follow all precautions and recommendations located within the manual. Be sure to retain the manual for future reference, routine maintenance, and tuning. The FW 450 is a new product developed by Flywing. It features the best design availabk on the RC helicopters market to date, providing flying stability for beginners, full aerobatic capability for advanced fliers, and unsurpassed reliability for customer support.

Please visit http://www.flywingrc.com to get more information.

● IMPORTANT NOTES

RC helicopters, Including the FW450 are not toys. RC helicopter utilize various high-tech products and Technologies to provide superior performance. Improper use of this product can result in serious injury or even death. Please read this manual carefully before using and make sure to be conscious of your own personal safety and the safety of others and your environment when operating all flywing products. Manufacturer and seller assume no liability for the operation or the use of this product. Intended for use only by adults with experience Aying remote control helicopters at a legal flying field. After the sale of this product we cannot maintain any control over its operation or usage.

● SAFETY NOTES

Fly only in safe areas, away from other people. Do not operate RC aircraft within the vicinity of homes or crowds of people. RC aircraft are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation or as of a result of RC aircraft models.

・Prior to every flight, carefully check rotorhead spindle shaft screws and tail blade grip, linkage balls and screws, ensure they are firmly secured.
LOCATE AN APPROPRIATE LOCATION *

RC helicopters fly at high speed, thus posing a certain degree of potential danger. Choose a legal flying field consisting of flat, smooth ground without obstacles. Do not fly near buildings, high voltage cables, or trees to ensure the safety of yourself, others and your model. For the first practice, please choose a legal flying field. Do not fly your model in inclement weather, such as rain, wind, snow or darkness.

NOTE ON LITHIUM POLYMER BATTERIES

Lithium Polymer batteries are significantly more volatile than alkaline or Ni-Cd/Ni-MH batteries used in RC applications. All manufacturers instructions and warnings must be followed closely. Mishandling of Li-Pd batteries can result in fire. Always follow the manufacturers instructions when disposing of Lithium Polymer batteries.

REVENT MOISTURE

RC models are composed of many precision electrical components. It is critical to keep the model and associated equipment away from moisture and other contaminants. The introduction or exposure to water or moisture in any form can cause the model to malfunction resulting in loss of use, or a crash. Do not operate or expose to rain or moisture.

PROPER OPERATIO

Please use the replacement of parts on the manual to ensure the safety of instructors. This product Is for RIC model, so do not use for other purpose.

SAFE OPERATION

Do not attempt to grab or make contact with the helicopter while the main blades are in motion and keep your eyes away from the helicopter. During take-off, landing, and flight, be sure to keep the helicopter away from all obstacles. Operators must stand at least 10 meters away from the helicopter to avoid injury caused by loose parts due to improper assembly or any unforeseen dangers. Operate this unit within your ability. Do not fly under tired condition and improper operation may cause in danger. Never take your eyes off the model or leave it unattended while it is turned on. Immediately turn off the model and transmitter when you have landed the model

OBTAIN THE ASSISTANCE OF AN EXPERIENCED PILOT

ALWAYS BE AWARE OF THE ROTATING BLADES

KEEP AWAY FROM HEAT
About Transmitter

FW450 using FS-i6S transmitter which is 2.4GHz, 1km* control distance
The FS-I6S has a built-in dual omnidirectional antenna

Transmitter overview

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<td>3D Fly</td>
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Power Switch

Touch Screen

Left stick

UP

DOWN

TURN LEFT

TURN RIGHT

Right Stick

FORWARD

BACKWARD

LEFT

RIGHT

* * The maximum communication distance is measured under the experimental environment and is for reference only.
1. Power on transmitter

1. Hold the two power switch two seconds at the same time to turn on transmitter. If transmitter warning, please dial the stick switch to top position ("off fly action" "return" "cut throttle") then dial mode stick to GPS position.

2. Turn on helicopter power

Please insert the battery into the abdomen of the helicopter to ensure that the battery strap is securely fastened. Connect the yellow plug of the battery to the Helicopter to keep the helicopter stationary. After the regular movement of the rotor head is completed, installed the canopy correctly.

3. Charging

- Please use the official charger to charge. Take out flight battery before charging.
- Connect the charger to an AC power source (100~240 V, 50/60 Hz; use a power adapter if necessary).
- Before charging, make sure the battery temperature is normal and connect the battery white balance head to the charger. (yellow plug is not inserted)
- When the charger is connected, the charger screen will display the voltage and when full, the FLL will be displayed.

![Charging](image)
4. Ready to fly

Please helicopters placed on a flat open area outdoors, the user facing the tail of helicopter.

- **Manual takeoff/landing**

  Take off:
  Move the left stick outward with your left hand and release the rocker after 5 seconds, green flash at this time. Turn the start safety switch from the flameout to start, slowly push the throttle stick up (default left stick) and the helicopter takes off.

  ![Unlock flight control](image)

  ![Throttle stick / up (slowly)](image)

  ![Throttle stick / down (slowly)](image)

- **Return Function**

  Smart return:
  Turning transmitter's stick to return. Then helicopter can automatically return. Then dial to GPS mode to terminate the return flight.

  ![Return](image)

- **Auto flight/return**

  When the power system determines that the current power is only enough to return and land, the helicopter will automatically return.

  ![Auto flight/return](image)

- **Appendix**

  **Helicopter Status Indicator Description**

  **GPS Mode**

  - Yellow flash: Positioning, flight control preparing
  - Green solid: You can unlock helicopter
  - Green flash: Unlocked successful

  **3D Manual mode**

  - Yellow flash: Flight control preparing
  - Blue solid: You can unlock helicopter
  - Blue flash: Unlocked successful

  **Auto flight/return**

  - Purple solid: Auto flighting/returning

  **Any mode**

  - Red flash: Restart the helicopter
  - Yellow, Red flash: No Power

  ⚠️ The contents of this guide are subject to change without notice.