

WFT07 SUMMARY MANUAL

Customer service strategy

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Basic operation

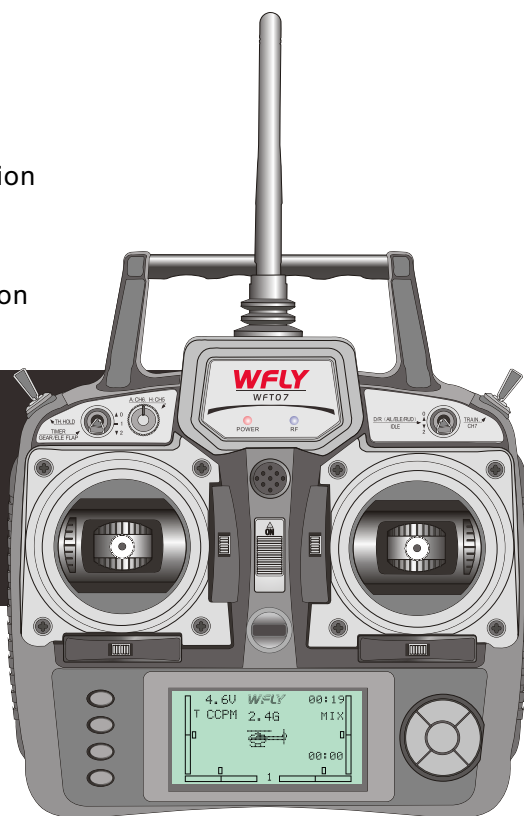
Functions instruction

→ Match Code

→ Model Setting

→ Fail-safe

→ Stick Setting



Thank you for purchasing WFLY products,pls read the instruction before using it.

Flag Meaning



Danger

If you ignore this sign and use product without proper operation , it is possible to cause you or others seriously injury or even death.



Warning

If you ignore this product and use the product without proper operation, it is possible to cause you or others hurt seriously or damages things.



Caution

If you ignore the sign and use the product without proper operation, it is possible to hurt you or others or damage things.



Prohibited

Prohibited operation.



Mandatory

Obligation.

Terms of sale



- 1.From the date of purchase, Quality problem within one year free warranty by WFLY (WFLY to bear the freight.)
- 2.Within 7days from the date of purchase, product quality problems appears at the normal using situation, user can rely on the warranty card and purchase vouchers at the dealer for a free replacement of the same .type products; When dealers receive a replacement product, should first notify the company for the replacement.
- 3.Lifetime after-sales service will be provided by WFLY . from the date of purchase, man-made damage, modification, lid seals and damaged more than one year free warranty period of the product, the user must pay for return postage, material cost and maintenance costs.
- 4.Dealer do not give warranty card or do not fill out required from the seller to bear all the after-sales service.
- 5.The terms of after service are limited to products sold in mainland china.

Product usage and modification



- 1.WFLY products are limited to model usage under the Provisions of the Radio Act of China.
- 2.WFLY will take no responsibility for the the modification, adjustment and replacement parts products.

Safety Tips



Before use, please confirm whether the goods have accessories ready, whether receiver has been connected with third-line switches, weather steering gear, the host and the receiver are connected to a good power supply, and can be turned on with verify correct operation, confirm before use. Confirm the battery has power before using it .before first use after purchase or prolonged no-use, rechargeable batteries are required to affiliated charger before use. When using lithium polymer battery or other power devices, make sure the battery voltage is suitable.

If there occurs a lack of accessories, parts and bad action, please contact your dealer or contact the company's customer service department.

For safe use of this product, be sure to observe the following precautions.
Prohibited flying in the rain, strong winds weather or at night .
Prohibit flying under your tired, sick or drunken state.



Prohibit flight in the following places.
>Near the other radio-controlled flying place (3 km or less).
>other unrelated activities persons near or over the place.
>Residential, schools, hospitals and other crowded places.
>Near high voltage power lines, tall buildings or telecommunications facilities.
>Flight banned sites.



Be sure to do the balance test before flight.
Before starting the engine, operate each rudder first, make sure all the rudder can run simultaneously. If each of the rudder can not run simultaneously, or abnormal, do not fly.



Be sure to set the interface into the initial screen during flight.
during flight mistakenly press the Edit button is very dangerous.

Be sure to use the specified receiver
This product supports only part of the WFLY receiver models, if you use another receiver, this product will not be operated.



Dangerous situation will occur ,fever, fire, electric shock, injury, etc.
Do not decomposition or retrofit of the plane parts.



Engine or motor(electric model) at high speed will occur:
When the power turned on, set the host's throttle stick to the minimum (do not let the rotary engine, the motor at high speed location), and then start the main unit's power switch, and then turn on the power switch on the receiver aspect. When you want to turn off, turn the receiver off, and then turn off the system power supply.



When you want to adjust the helicopter engine (motor):
Be sure to observe the rotating helicopter blades from behind.
When the host of the throttle rocker at high speed state it's very dangerous to adjust the engine.



Malfunction reasons:
Do not mix use WFLY remote control device with other brands receiver.
The battery box is dedicated to the host battery



The aircraft lost control:
When steering response slow, please immediately terminate the flight, and then check the battery's residual power and rudder machine.

Safety Tips



Warning

Remote control distance will shorter:

Antenna fracture can cause remote distance becomes shorter and out of control



Prohibited

Please do not use remote control device in following cases:

- >Other signals interfere.
- >Over the speeding vehicle .
- >Near station buildings, ship radios and other wireless transmitting station.
- >Near or over the residential or buildings or pedestrian.



Danger

Wrong actions result in dangerous situation:

- >After the receiver, servos, etc. soaked dry, do not install immediately. should be sent to the company to check before use.
- >Flight preparation process, the host is placed in the ground, can not be placed upright. Host easily be blown down, then joystick operating , people may be involved in the propeller injuries.
- >Before and after using, do not touch engine or motor which may get injured because of high temperature.



Warning

For safety, please confirm following matters before operation.

- >Battery capacity of the host and the receiver are sufficient.
- >Adequate oil and no oil leakage.
- >Linkage does not touch the aircraft ,or it may cause aircraft vibration leads to clutter signal. >Keep the aircraft in a constant state for vibration test, the engine (motor) to the high-speed, and try to manipulate the joystick to see if normal operation.
- >When adjusting the balance, except when necessary, shall stop the engine (motor) running.
- >Do not fly too high or too far at the first fright, choose a safe area, the height from the ground about 50 meters or so to make flying back and forth.
- >Test about 5 minutes, to operate back and forth 2-3 times, to confirm everything is normal then perform official flight.



Danger

If the battery fluid accidentally gets on the eye, there will be the risk of blindness, do not rub your eyes, wash with water immediately then go to hospital for treatment.



Mandatory

- >The batteries and aircraft devices should keep out of the reach of children.
- >keep devices away from water.
- >Avoid external plugs, wires or antenna and other parts cracked or peeling.
- >Stop charging when exceed the normal charging time.
- >Do not place the product in hot,humid or dusty place.
- >Do not charge in cold (-10 degrees) state
- >Do not discard the waste batteries in the trash as ordinary garbages.

Safety Prompts (Battery selection and installation)

Transmitter battery selection

Transmitter standard input voltage range 3.7V - 6V, the battery can select the following configuration:

- > Standard AA - 5 # NiMH / 1.2V rechargeable nickel-cadmium batteries, together use with four standard battery box equipped by this product.
- > Standard 1S - 4.2V Lithium Battery

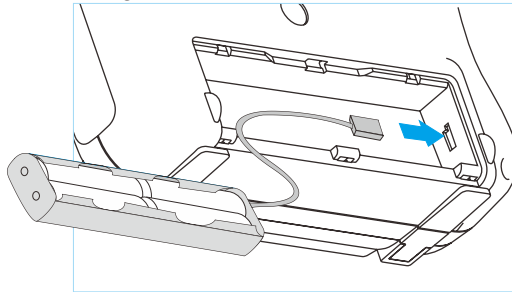
Receiver battery selection

Receiver standard input voltage range 4.8V - 12.6V, the battery can select the following configuration:

- > Four standard AA - Day 5 # NiMH / 1.2V rechargeable nickel-cadmium batteries.
- > SC standard 5.0V output using the power supply for receiver.

Transmitter battery installation method

As shown: the battery is connected to the connector, and then inserted into the socket inside the battery compartment on the right side of the transmitter.

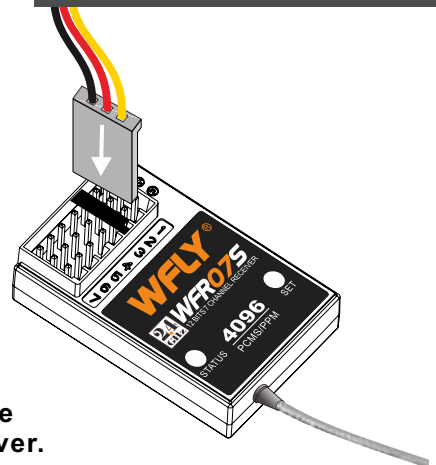


Receiver battery installation method

Any channel can be used as power input, Connect with the third channel when powered by ESC, changable by practical situation.

As shown: the battery and plug connection, insert receiver.

- ⊕ Signal terminal
- ⊕ The positive electrode
- ⊖ The negative electrode



Positive and negative electrode contacts errors will burn receiver.

The receiver features and icons

Model: WFR07S

Type: 7-channel 2.4GHz receiver, 4096 resolution (adaptive WFLY2.4GHz products)

Voltage: 4.8V-12.6V

Current: 30mA

Weight: 9.6 g

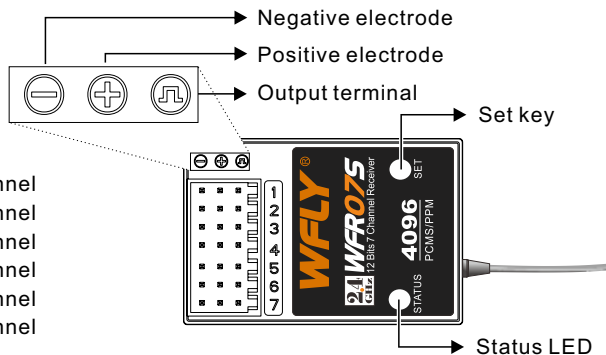
Size: 40.42mm x27.27mm x11.88mm

Frequency: 2.400GHz-2.483GHz

Fail-Safe function

Connection Reference

AIL:Aileron	the first channel
ELE:Elevator	the second channel
THR:Throttle	the third channel
RUD:Rudder	the fourth channel
GYR/Landing Gear	the fifth channel
PIT:Pitch	the sixth channel
Auxiliary channel	

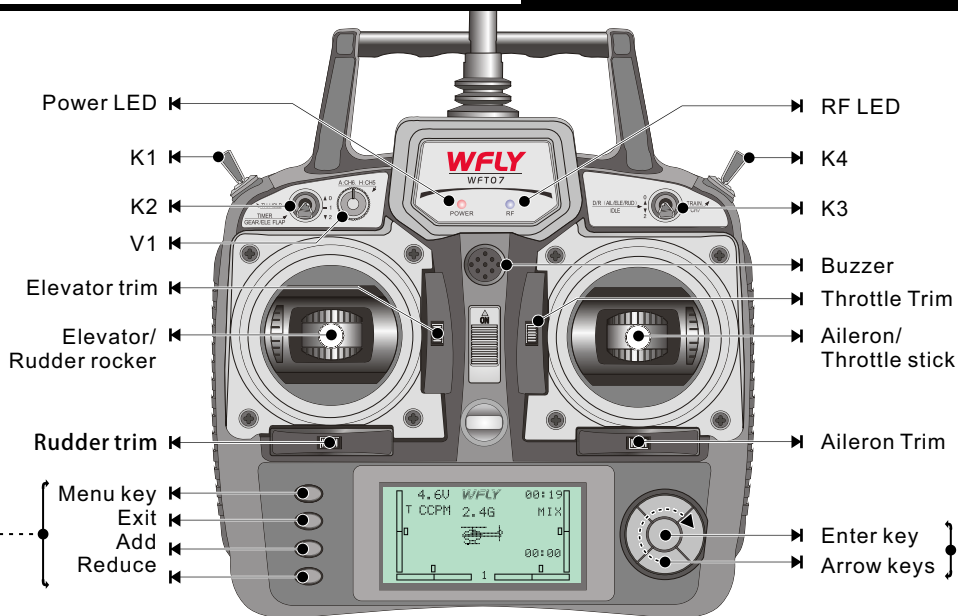


Note: Any channel can be used as power input

Features of WFT07

- >Large dot matrix LCD display, easy to operate.
- >Multi-lingual display.
- >WFT07 remote control device is a versatile seven-channel proportional remote control device.
- >Native 2.4G technology FLASPEED, using bus data transfer, which greatly improve the handling agility.(Note: FLASPEED is WFLY specific technology).
- >Low-voltage design to reduce battery consumption. Available in a variety of batteries, such as alkaline batteries 4S, nickel metal hydride (cadmium) batteries 4S, lithium battery 1S, lithium polymer battery 1S. Operating voltage range of 3.7V-6V.
- >10 groups of data storage models.
- >Group 3 programmable mixing, to meet the needs of complex movements
- >Tension lever, can freely adjust the head height.
- >Digital electronic tuning, 250 step adjustable.
- >Complete timer function to ensure flight foolproof.
- >Monitor function operates more intuitive.
- >Coaching function
- >Perfect timing function
- >Up to 11 groups curve, easy to deal with difficult moves.
- >Multiple sets of mixing system, adjust curve on nine points.
- >Multiple flight mode.

Product illustration (Right hand throttle)



MENU: After booting, press the menu button to enter the function menu - Preferences. In addition, when staying in the function interface, press this key will be back to the menu.

EXIT: Press this key, you can return to the previous menu level, or exit the edit state.

+/-: Can be used to adjust numerical value. Setting numerical value, keeping pressing + / -, accelerate the function setting.

Arrow Keys: Arrow keys are divided into upper and lower, left and right keys, can be used to switch the set up or edit the item.

Confirm key: this confirm key have three kinds of function)

> With the menu to access the item.

> To enter the edit mode.

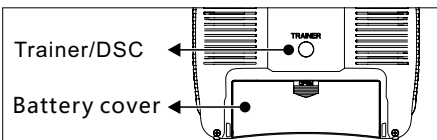
> Press this button long time, the selected item restore the default value.

K1: Two stalls. Throttle lock, throttle flameout

K2: Three stalls. Timer, fixed-wing 5ch, fixed-wing landing flaps mixing.

K3: Two stalls Dual Rate (NORMAL, IDLE)

K4: Coaching, the seventh channel



1. LOGO.

2. 2.4GHz work instructions: Display 2.4GHz at work, no display when closed.

3. Airplane mode: Helicopter Helicopter mode display signs, fixed-wing mode displays a fixed-wing flag.

4. Accumulated time: displays the cumulative duration of use, can also be reset.

5. Battery voltage display.

6. Model data display: 1, 2, 3, etc ...

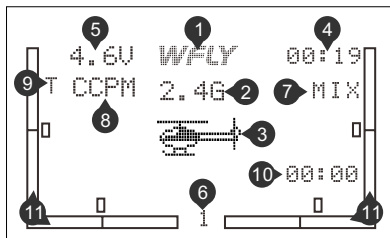
7. Mixing status display: mixing state (throttle lock, throttle cut, stunt mode) display MIX.

8. Swash helicopter display: the non-normal mode swashplate displayed CCPM.

9. Coach function display: coach mode display "T" and flashes.

10. The timer display.

11. Digital electronic tuning: graphics + numerical value dual display, and with tone reminder.



Product Configuration



Basic Function: 1.match Code 2.model Setting 3.fail-safe 4.stick Setting

Match code

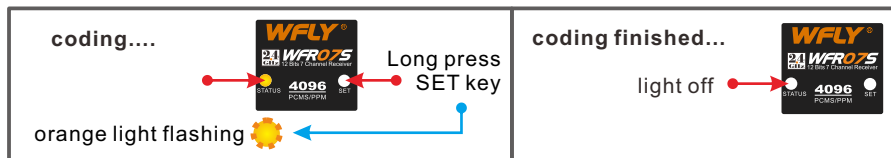
Precaution



1. Remote control and the receiver should be within a short distance (less than 1m)
2. Remote control cannot match code in simulator mode (RF lights off) (Hold down the MENU key to boot into coach / analog set)
3. NO other WFLY 2.4GHz systems matching nearby.
4. No high frequency high voltage interference sources nearby. (high-voltage wire, tower, mobile base stations, etc.).
5. During coding, if the code needs to be quit, please press the escape key to (Press to exit)
6. After matching is finished, connection must be verified

Steps

1. Turn on the receiver power, long press SET button, 3-4 seconds, slow flashing orange lights.
 2. Transmitter enters the code menu: Boot → MENU → 15 Advanced Settings → 9 on the code → OK
 3. The code is successful, the blue light transmitter, receiver lights off.
- As shown:



Verification Code

1. Connected to the steering gear and operate the remote control, synchronous operation outputs corresponding servos description of the code successfully.
2. Turn off the remote control, the receiver red light; open the remote control, the receiver lights off means success.

Model Settings

Setting: press the MENU key to boot, enter the "SYS SETTING" menu, select "MODEL SELECTTING" and "MODEL SETTING", select respectively 1 model of 10 models and model type.

Save: select with Arrow keys, confirm the option with Enter key, power off according to the prompt, save directly.

Fail-safe



The importance of Failsafe : reduce the rate of injury when the aircraft lost control.

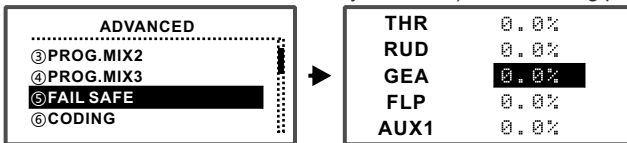
Advice: set failsafe data first before calibration or flight.

The information is automatically transferred to the receiver, you do not need to set at every flight.

Steps:

1 Receiver power on (linked)

2 Transmitter boot into **FAIL SAFE** settings menu, the channel data can be set as needed (when RF off this function automatically shielded), after setting press the **EXIT key to save the data.**



UP** and **DOWN** keys: switch the channel; **(+)*(-)** keys: switch hold and custom value;

Enter key: truncate all channel parameters in the condition of custom.

Recommended setting data:

1. Helicopter throttle set to 5% -10%, do not completely shut, otherwise the aircraft no power directly fell to the ground, the rest of the channel set to steady flying.
2. Airplane / throttle is set to 0, the remaining channels can be set for a smooth flight, because Airplane / glider no power can also be flat Steady decline authentic.
3. Car / boat setup is basically the same setup as airplane.
4. Multi-axis is similar to the helicopter, generally set to hover over the throttle position.

Stick Settings

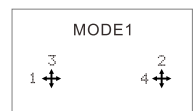
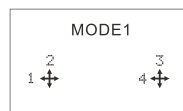
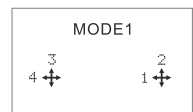
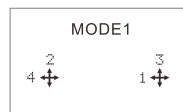
This feature allows you to select the rocker's mode of operation according to your own operating habits and preferences.

Setting path: press the **MENU** key to boot, enter the "SYS SETTING" menu, select "**STICK SETTING**".

Save parameters: select edit item with Arrow keys, select stick mode with up and down keys, press **EXIT** key to exit and save automatically.

Definition:

- 1 - aileron
- 2 - elevator
- 3 - throttle
- 4 - rudder



HELI	
SYS SETTING	
1.MODEL SELECTTING	Set a good save multiple sets of parameters, any switch when needed.
2.MODEL SETTING	Helicopter or fixed-wing selection.
3.TRAIN./SIMU	Training or simulator functions selection.
4.STICK SETTING	Joystick operation mode selection.
5.ADJUSTMENT	Adjust the neutral point or highest/lowest point of AIL,ELE,THR and DIR channel.
6.REST SETTING	Recovery model parameters currently used.
7.SOUND	Select the buzzer turned on or off.
8.CONTRAST SETTING	Adjust the screen contrast ratio.
9.BATTERY	Select the correct battery type, can extend the battery life.
10.ABOUT	Display version information.
NORMAL SETTING	
1.MONITOR	Observe status of each channel output.
2.DUAL RATE&EXPONENTIAL SETTING	Action curve adjustment for each channel, changing the feel and sensitivity of each channel.
3.SERVO REVERSE	Set the direction of the positive and negative steering.
4.END POINT	Set servo travel distance.
5.SUB TRIM	Adjust the servo neutral point position.
6.TRIM STEP SETTING	Adjust the position of the servo endpoint.
7.TROTHROTTLE CURVE SETTING	Adjust the throttle output linear relationship.
8.PITCH CURVE SETTING	Adjust the output linear relationship of pitch.
9.THROTTLE CUT SETTING	When flight completed can make the engine timely stall, often for electrical straight flameout landing.
10.TROTTLE HOLDING SETTING	Lock output state of the throttle, the engine idling. Commonly used in the oil machine flameout landing.
11.TIMER	Set the alarm time of flight, help remind the battery or fuel capacity.
12. SWASH	Select the type of helicopter swashplate.
13.GYRO SENS SETTING	Adjust the sensitivity of the gyroscope in different flight modes.
14.ADVANCED	
1.GOVERNOR MIXING	Pacer special adjustment.
2.PROG.MIX1-2-3	Hybrid control any two channels' output.
3.FAIL SAFE	When the receiver loss of signal, each channel will automatically return to the preset position.
4.CODING	The transmitter and receiver match.
ACRO	
NORMAL SETTING	
7. FLAPERON	Regulating flap and aileron linkage.
8. FLAP TRIM	Adjust flap total stroke alone change the flaperon channel, mixing synchronized.
9. AIL-DIFF	Adjust aileron and aileron differential.
10.ELEV-FLAP	Adjust the elevator and flap-way mixing.
15.ADVANCED	
1.ELEVON	Aileron and elevator combination of aircraft mixing settings
2.AILVATOR	Adjust the elevator and aileron unidirectional mixing.
3.V-TAIL	Adjust the elevator and rudder mixing.
4.AIL-2	Another aileron channel allocation.

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