WFT08S RADIO CONTROL SYSTEM PCMS4096

INSTRUCTION MANUAL

NOTICE
Read the instructions before operation!

WFLY

www.wflysz.com

Thank you for purchasing a WFLY product!

WFT08S

SERVICE

1. Please visit one of our retail shops for servicing your radio. Our retail shops will service you for free during the first half year after buying the radio. (apart from user damages)
2. WFLY retail shops will always accept your radio for servicing.

CATALOGUE

HELICOPTER

SYS SETTING

NORMAL SETTING

ADVANCED

AIRPLANE

SYS SETTING

NORMAL SETTING

ADVANCED

Contents

Thank you for your attention and support for WFLY radios!

WFLY promises every WFT08S radio control system include the following contents:

1. WFT08S transmitter

2. WFTRFS module

3. Battery holder for transmitter

4.WFR07S, WFR09S 9 PCMS receiver

5. Neckstrap

6. Simulator cable

7. English instruction manual

WFT08S Spare Parts

1. Transmitter

2. RF module

3. Transmitter battery holder

4. Neckstrap

5. Simulator cable

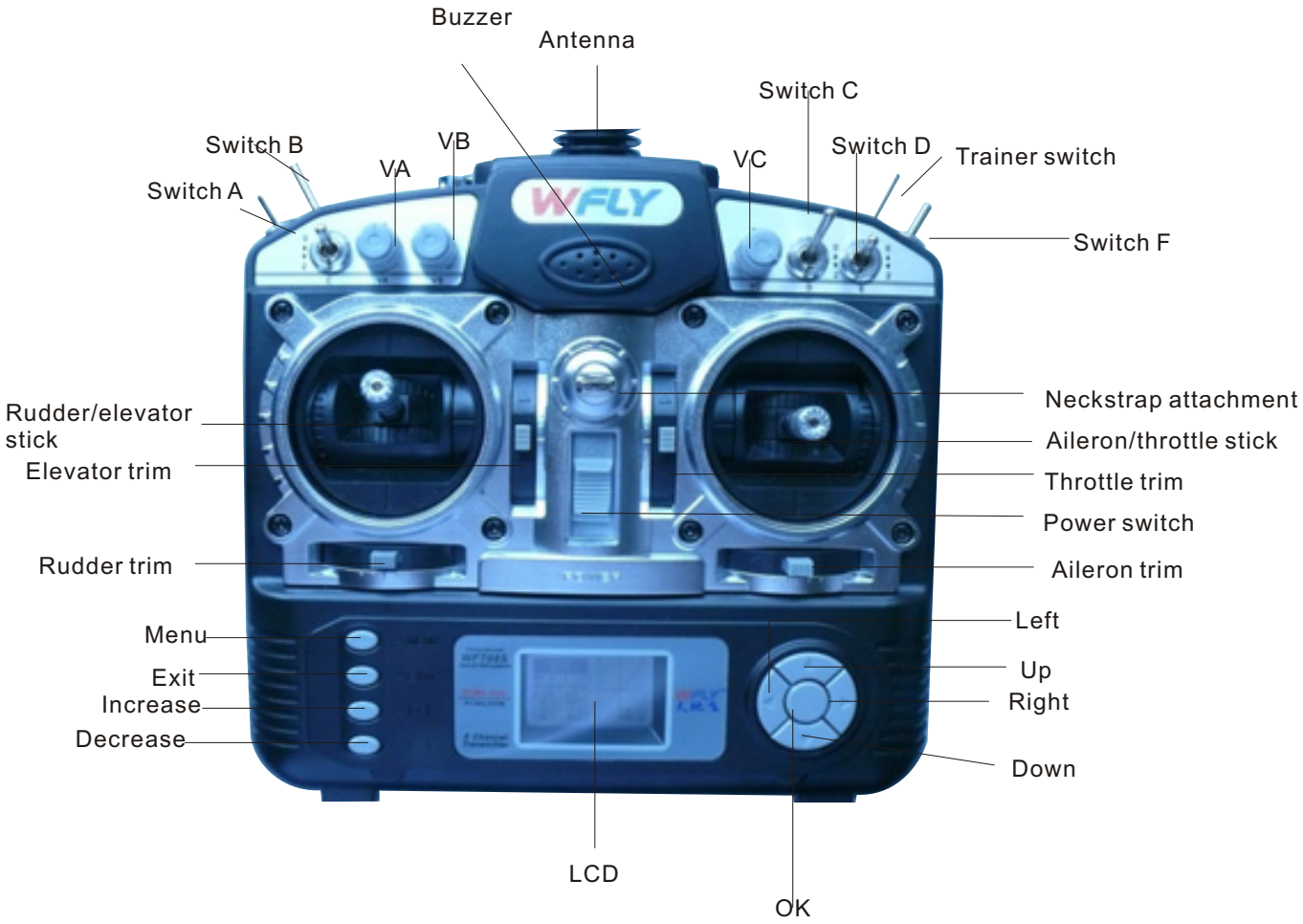
6. Receiver

7. Manual

TRANSMITTER FRONT

MODEL NO.: WFT08S
MODULATION: PCMS/PPM
OUTPUT POWER: ≤100mW
POWER SUPPLY: 9.6-12v
CURRENT DRAIN: 200mA
Band: 2.4GHz

TRANSMITTER FRONT



TRANSMITTER BACK

RECEIVER

MODEL NO.: WFR09S
TYPE: 9 CH PCMS/PPM
POWER SUPPLY: 4.8-6V
CURRENT DRAIN: 30mA
BAND: 2.4GHz

WFR09S 9 Channels Receiver

The receiver is used for WFT09S/WFT08S/WFT06X transmitter.

1. AIL：Aileron (Channel 1)----------
2. ELE：Elevator (Channel 2)----------
3. THR：Throttle (Channel 3)----------
4. RUD：Rudder (Channel 4)----------
5. GYR：Landing Gear/Gyro (Channel 5)----------
6. PIT：Pitch (Channel 6)----------
7. AUX1：Auxiliary channel 1 (Channel 7)----------
8. AUX2：Auxiliary channel 2 (Channel 8)----------
9. Power：Input 4.8-6V----------

(There are 9 rows needles, 3 needles in each row,
from the top needle to the bottom, the 3 needles are PCMS/PPM pulse, +5V and Ground.)

Indicator light

1. Usually, it's Bit Error Rate indicator. The LED becomes brighter when the rate increses.
2. The LED blinks once per second when the voltage is low.
3. The LED blinks once per 0.4 second when receiving data(Fail safe) or when a massive Bit Error Rate occurs.

WFR07S 7 Channels Receiver

The receiver is used for WFT09S/WFT08S/WFT06X transmitter.

1. AIL：Aileron (Channel 1)----------
2. ELE：Elevator (Channel 2)----------
3. THR：Throttle (Channel 3)----------
4. RUD：Rudder (Channel 4)----------
5. GYR：Landing Gear/Gyro (Channel 5)----------
6. PIT：Pitch (Channel 6)----------
7. Power：Input +4.8-6V----------

(There are 7 rows needles, 3 needles in each row.

Trainer function
Two WFT08S transmitters can transfer data between each other or act as trainer.

Setting Method:

1). Data transfer function: use Trainer/Data transfer cable to interconnect two WFT08S transmitters.
Select “Send data/receive data” in SYS setting to transfer the data.

2). Trainer function: use Trainer/Data transfer cable to connect two WFT08S transmitters.
Insert RF module to the trainer transmitter, student transmitter doesn’t insert the RF module.
Flip the Trainer switch to enable the student transmitter. By flipping the trainer switch again, the student’s transmitter signal will be disabled and the trainer controls the aircraft exclusively.

FLYING SAFETY WARNINGS

Special Symbol Instruction

To use the product safely, please pay attention to the instructions as follows.

Please pay special attention to the symbol as follows:

⚠ **Dangers**: If you use it without proper operation, it is possible that you burt yourself or others seriously or may even cause death.

⚠ **Warnings:** If you use it without proper operation, it may cause harm to you and others as well as it could cause damage to third party property.

⚠ **Notices**: If you use it without proper operation, it may cause you to hurt slightly or damage things , but it won't hurt you seriously normally.

⚠ **Notices**: Children under 14 must be accompanied and instructed by adults!

⚠ **Notices: Always** turn on the transmitter first, then the receiver. When turning off the system, turn off the receiver first, then the transmitter.

⚠ **Notices: Changes** or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Flying Notice(warning) ⃠ **Forbiddance!** ❗ **Obligation!** ⚠ **Warning!**

Same frequencies can't fly at the same time.


Two radios transmitting on the same frequency will cause an airplane to crash, even when the modulation (AM, FM, PCM) is different.


Do not fly at night , during rain or in strong wind, as you risk damaging your equipment. This device is not water-proof.


The antenna has to be fully pulled out when operating your transmitter, if not the signal will be weakened and the control range will reduce, which may cause the crash.

Checking

Please check that all servos work properly and eliminate all problems before operating your model. (If the radio bounces after turning off the power, there may be some disturbances, in this case, please change your channel by exchange crystals)

FEATURES

Computerized transmitter.

132 x 64 FSTN LCD, easy operating keys.

Metal slab shell.

Adjustable antenna base.

Tightness and length of the control stick can be adjusted freely.

Excellent feeling on the stick.

Full digital trim.

Dully exchangeable RF modules.

Trainer function.

3 independent timer, all can be set to count down or increment.

PPM and PCM modulation supported.

Multi-mixing function.

All curves have up to 8 adjustable points.

User-defined switches and knobs.

Model parameters can be exchanged between transmitters.

8-model memory.

The WFT08S transmitter is compatible with FUTABA and JR (PPM) receivers.

Keys

MENU
Menu key brings you to the function list of the transmitter.

EXIT
Exit key brings you back to the previous menu or exit edit.

+
This key will increase values. If you long press, the increasing speed will be faster.

-
This key decreases values. If you long press, the decreasing speed will be faster.

Cursor keys
Move the cursor.

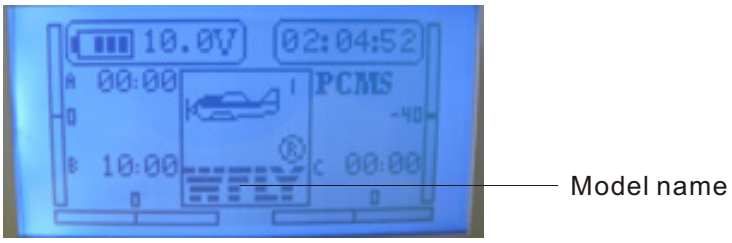
OK
The key in the center of the direction keys is the OK key.
It has following functions:
Enter the function list.
Enter the edit function.
Change parameters back to default by long pressing the key.

Editing mode and function introduction

1. Start up Screen

When turn on the power switch, the LCD displays as follows.

The starting up screen displays the voltage, timer, model, aileron, throttle, elevator and rudder state.
Note: Press EXIT, the screen shows you the model name.

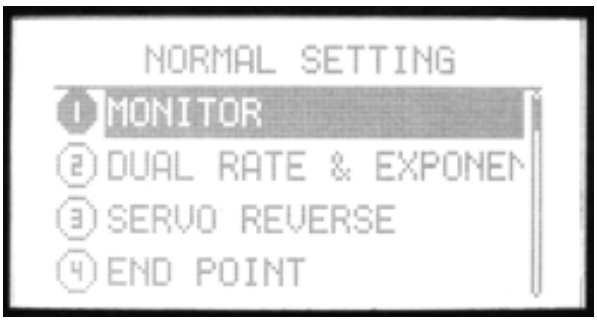


2. Menu Screen

You will find the "System setting", "SYS setting", "More setting".

A. System setting

Turning on the transmitter and pressing the menu key, the LCD displays the follows.



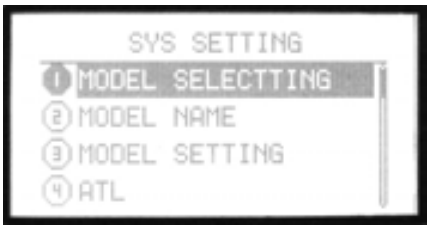
1. MONITOR
2. DUAL RATE & EXPONENTIAL SETTING
3. SERVO REVERSE
4. END POINT
5. SUB TRIM
6. SWASH PARAM SETTING
7. AUXILIARY CHANNELS
8. THROTTLE CURVE SETTING
9. PITCH CURVE SETTING
10. REVOLUTION MIXING
11. TRIM STEP SETTING
12. THROTTLE CUT SETTING
13. FLY MODEL SWITCH
14. THROTTLE HOLDING SETTING
15. FAIL SAFE
16. TIMER
17. ADVANCED
18. LANGUAGE

Setting method:

1. Use direction keys change parameters or use the up/down keys to browse the functions. Use the left/right key to switch pages.
2. Press OK to enter submenu. The submenu function is described in the next chapter.
3. Press EXIT key to go back from previous menus. Data is set automatically.

B. SYS SETTING

When pressing Menu and turning on the power switch, the LCD displays the following.



1. MODEL SELECTING
2. MODEL NAME
3. MODEL SETTING
4. ATL
5. MODULATION SETTING
6. SWASH SELECT
7. STICK SETTING
8. REST SETTING
9. SEND DATA
10. RECEIVE DATA
11. CONTRAST SETTING
12. ENGINEER MODE
13. ABOUT
14. LANGUAGE

Setting method:

1. Use direction keys to edit, or use up/down keys to browse the functions. Left/right direction keys to switch pages.

2. Press OK key to enter submenu. The submenu function is described in the next chapter.

3. Press EXIT key to go back to previous menu, parameters are saved automatically.

C. ADVANCED

1. Enter “NORMAL SETTING”, use the right direction key to switch page, select “ADVANCED”. Press OK key to enter.

Setting method:

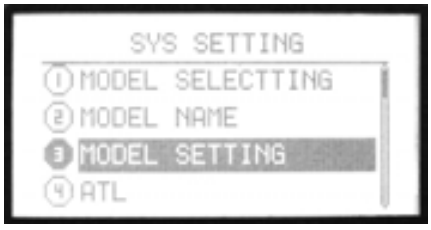
1. Use direction key to select the editing mode, use up/down keys to select a function item. Use the left/right direction keys to switch page.

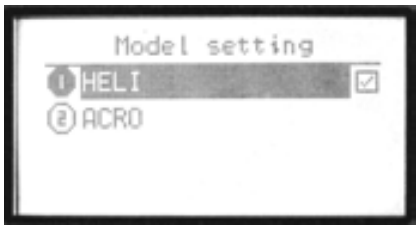
2. Press the OK key to enter submenu. The submenu function will be explained in the next chapter.

3. Press EXIT key to back from previous menu. Data is set automatically.

HELICOPTER

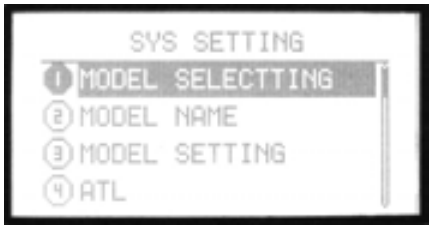
Press Menu and turn on the transmitter to enter SYS SETTING.
Select MODEL SETTING, press OK key to select the model type.
Restart the transmitter after setting.





SYS SETTING

1.Model selecting



There are 8 helicopter models. You can select any one to set.

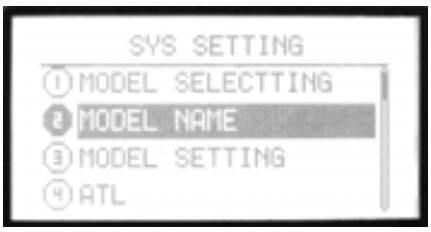
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING”. Use up/down keys to select “**Model selecting**”, OK to enter editing.

Steps:

1. Use up/down direction keys to select the model.
2. Press OK to select.
3. Press EXIT after setting.

2. Model name



This function is to make new names by users.

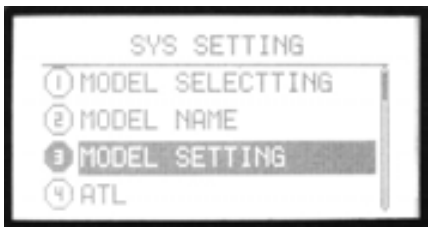
Setting Method:

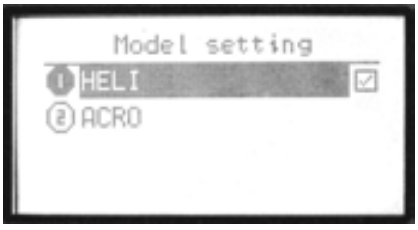
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down button to select “**Model name**”, OK key to enter editing.

Steps:

1. You can edit the underlined letter.
2. Press OK key to choose the word you like.
3. Press EXIT after setting.

3. Model setting





You can select the model type. There are two types: HELI, ACRO.

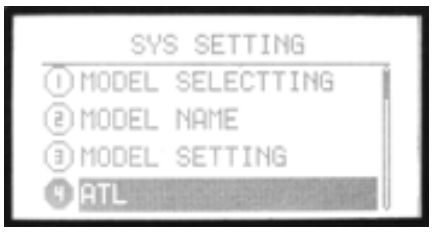
Setting Method:

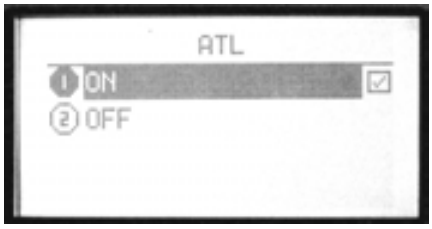
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down key to select “**Model setting**”, OK to enter editing.

Steps:

1. Use up/down key to select the model type.
2. Press OK to confirm.
3. Press EXIT after setting.

4. ATL





The adjustable travel limit (ATL) makes throttle trim effective only at low throttle, disabling the trim at high throttle. This prevents pushrod jamming due to idling trim changes. This function is ON by defaults. If you are not using channel 3 for throttle, you may want trim operation the same as on all other channels. To do so, set ATL to OFF.

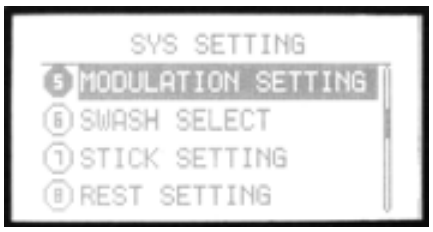
Setting Method:

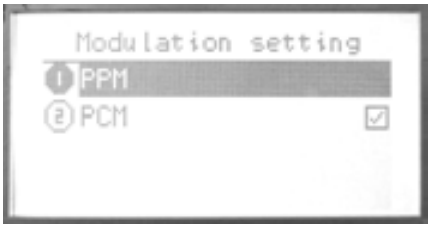
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down key to select “**ATL**”, OK to enter editing.

Steps:

1. Use direction keys to select the editing part.
2. Press +/- keys to set ATL function.
3. Press EXIT after setting.

5.Modulation setting





Because of the different receiver modulation, PPM/PCM, the transmitter has to be set in accordance with the receiver modulation.

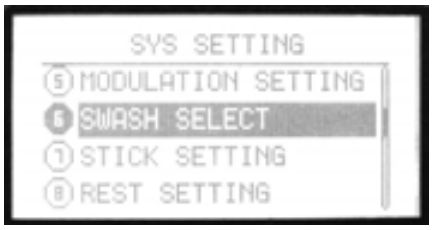
Setting Method:

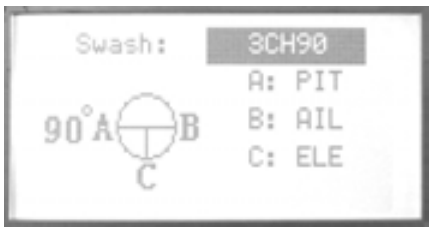
Press Menu and turn on the transmitter to enter “SYS SETTING”. Use up/down key to select “**Modulation setting**”, OK to enter editing.

Steps:

1. Use direction keys to select the editing part.
2. Press OK to confirm. Restart the transmitter and it works.

6.Swash select

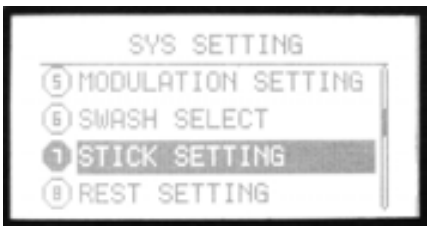


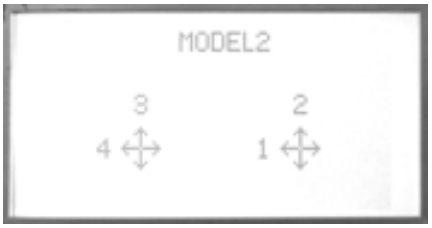


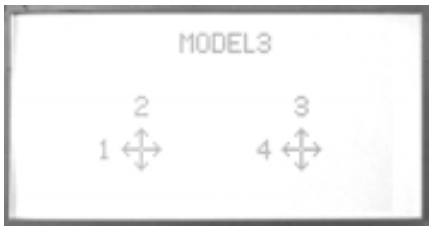
There are 6 kinds of swash. You can select the swash you preferred. If you use a 120 degree CCPM helicopter, the servos will realize mix function automatically. Please select the swash according to your helicopter swash type.
1 servo (not CCPM, normal helicopter)
2 servos (180 degree)
3 servos (90, 120, 140 degree)
4 servos (90 degree)

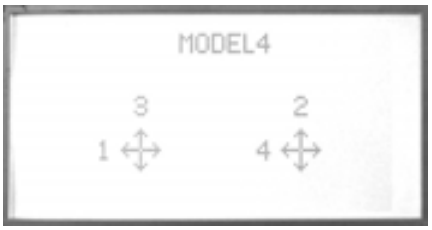
Setting Method:
Press Menu and turn on the transmitter to enter “SYS SETTING”.
Use up/down keys to select “**Swash select**”, OK to enter editing.
Steps:
1. Use direction keys to select the editing part.
2. Press +/- keys to choose the swash type.
3. Press EXIT after setting.

7.Stick setting









There are 4 kinds of model, you can use up/down direction key to select the model you prefer.

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

Setting Method:
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down button to select “**Stick setting**”, OK to enter editing.

Steps:
1. Use direction keys to select the editing part.
2. Press up/down keys to choose Stick mode.
3. Press EXIT after setting.

8.Rest setting

This function resets your transmitter to default.

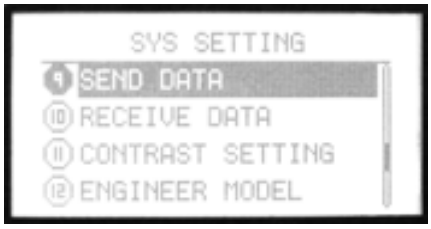
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING”. Use up/down keys to select “**Rest setting**”, OK to enter editing.

Steps:

1. Use direction keys to select the editing part.
2. Press +/- keys to back default.
3. Press EXIT after setting.

9. Send data



Two transmitters (WFT08) can copy data using the trainer/data transfer cable. This function and the next one “Receive data” can be used to copy data between transmitters.

Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**Send data**”, OK to enter editing.

Steps:

1. Select the model data you want to send out.
2. Press OK to send.

10.Receive data

Two transmitters (WFT08) can copy data by a trainer/data transfer cable. This function and the next one “Send data” can be used to copy data between transmitters.

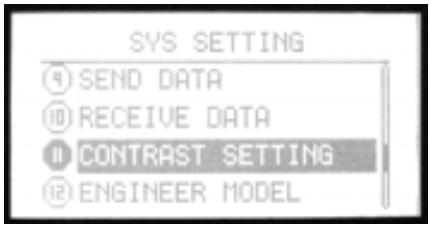
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING”. Use up/down keys to select “**Receive data**”, OK to enter editing.

Steps:

1. Press OK to receive data.
2. Restart the transmitter after receiving the data and it works.

11.Contrast setting



This function is to adjust the LCD brightness by increasing or decreasing the contrast value.

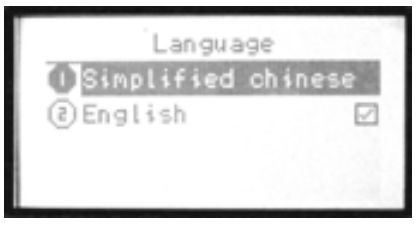
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING”. Use up/down keys to select “**CONTRAST SETTING**”, OK to enter editing.

Steps:

1. Use +/- keys to increase or decrease the value.
2. Long press OK to back default.
3. Press EXIT after setting.

14.Language



This function lets you to select the language, Simplified Chinese and English can be selected.

Curve setting

1. Setting introduction

Curve setting is one of the functions of WFT08.Here you will find detailed description. You can refer to this detail description for the other functions which relate to the curve setting.
There are two kinds of curve setting mode: normal setting and advanced setting.
Normal setting: 7 points curve setting. You can set the curve by set the 7 points value.
Advanced setting: you can add or delete the curve point.
Advanced curve can be added at most 10 points, minimum is 2 points. You can not only set the value of each point, but also the position of each point.

2. Setting method

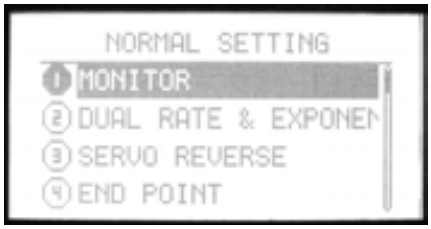
Turn on the transmitter, press menu, find “More setting”, select “curve setting”.
There are two modes: normal, advanced.

Normal curve setting: 7 points curve setting. You can edit the curve point in the left pane.
1. Use left/right keys to select the editing point. The curve point is marked by a dashed line.
2. Use +/- keys to set the value. Long press OK key can back to default. You can set 7 points curve.
3. Press EXIT after setting.

Advanced curve setting: User can add or delete the curve point. D/R curve has 10 points and every point can be set. Long press +/- button can add/delete curve point. It can at most add to 10 points and delete to minimum 2 points.
When selecting one point, use left/right keys to choose the point you want to edit, press OK to enter editing.
Active the cursor, use up/down keys to set the left value in the pane, use left/right keys to set the right value in the pane.
The black cursor is the editing part, which is marked by a dashed line.

NORMAL SETTING(helicopter)

1. MONITOR

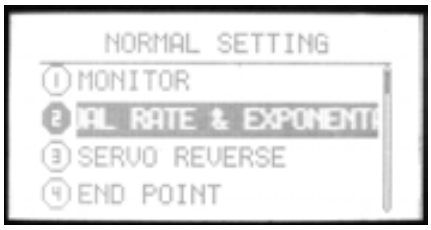


Monitor shows the stick/switch/knob movements in real time.
Monitor describes the 8 channels output and the channel mixing.
3ch and 6ch is mixing.

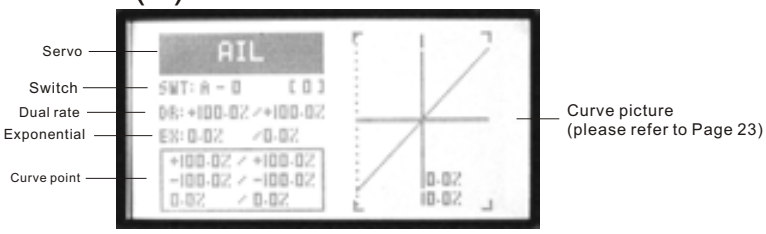
Setting Method:

Press menu button, enter system setting, the first function is the monitor.

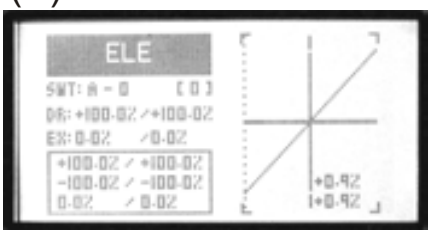
2. DUAL RATE & EXPONENTIAL SETTING



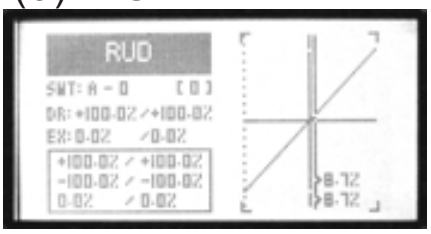
(1). AIL



(2). ELE



(3). RUD

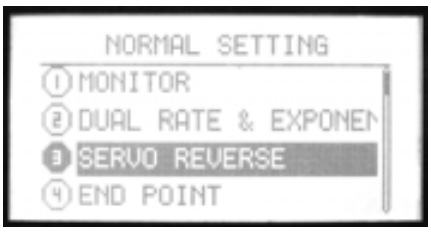


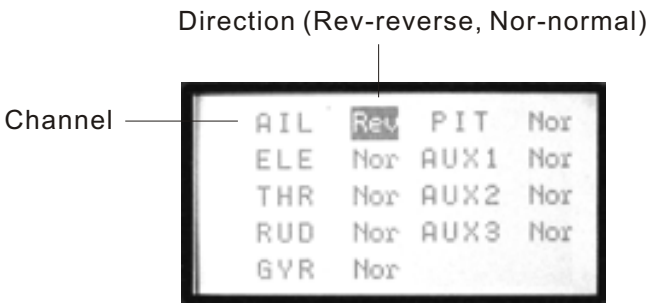
Dual rate is to adjust aileron, elevator and rudder travel range. The range is between 0%-120%.
Exponential setting is to adjust aileron, elevator and rudder sensitivity when the sticks are around the middle. The range is between -100% to +100%.

Setting Method:

1. Select channel
   Aileron, elevator and direction are selectable. Press +/- keys to select channel, OK to confirm.
2. Set the switch and its position.
   Press direction keys to select “SWT”, edit it. +/- keys can select function switch(A-F).
   After selecting the function switch, press right direction keys to enter the switch position setting, use +/- keys to set 0, 1, 2.
3. Set dual rate
   Press direction keys to select “D/R”, edit it. Edit one or two parameter.
   +/- keys can increase or decrease the value.
   Long press OK to back default.
4. Set exponential
   Press direction keys to select “EX”. Exponential can adjust aileron, throttle and rudder sensitivity as the stick at the middle.
5. Set curve point (normal/advanced)
   The box under “EX” shows the curve points.
   Select “Curve setting” in More setting function list.
   Please refer to Page 23 for detail curve setting.
6. Press EXIT after setting.

3. SERVO REVERSE





This function changes the direction of the servos.

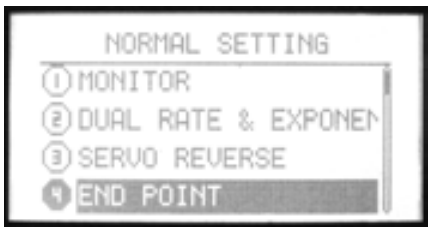
Setting Method:

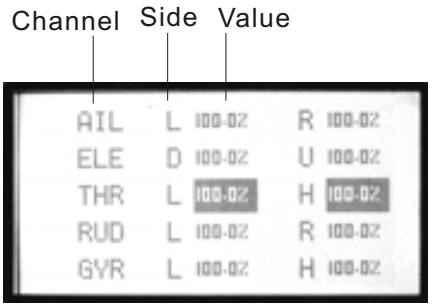
Use up/down keys to select "**Servo reverse**", OK to enter editing.

Steps:

1. Use direction keyss to select editing part.
2. Use +/- keys or OK to switch the servo movement direction.
3. Press EXIT after setting.

4. END POINT





It is to adjust the end of individual servo's travel. The range is from 0% to 120%.

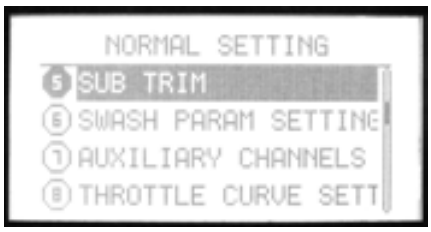
Setting Method:

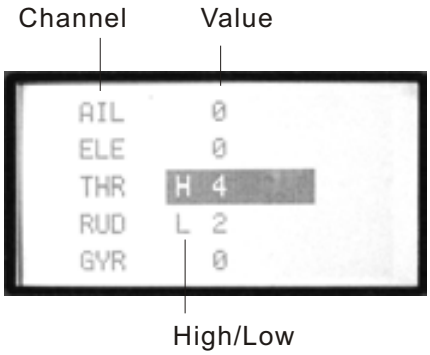
Use up or down keys to select **End point**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set the travel value. Long press OK to back default.
3. Press EXIT after setting.

5. SUB TRIM





Sub trim makes small changes or corrections to the neutral position of each servo. Range is -120 to +120, default setting is 0.

We recommend that you center the digital trims before making Sub trim changes, and that you try to keep all of the Sub trim values as small as possible. Otherwise, when the Sub trims are large values, the servo's range of travel is restricted on one side.

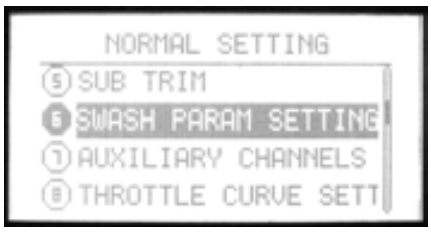
Setting Method:

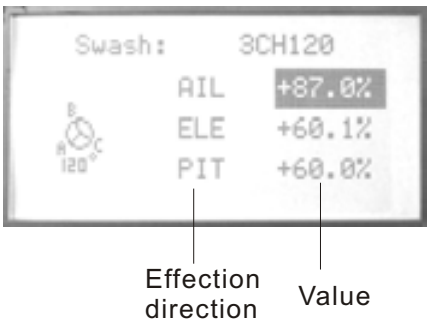
Use up or down keys to select **Sub trim**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set the trim value. Long press OK to back default.
3. Press EXIT after setting.

6. SWASH PARAM SETTING





This function is to adjust the aileron, elevator and pitch travel range of swash plate mixing mode.

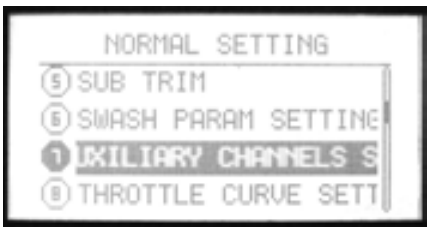
Setting Method:

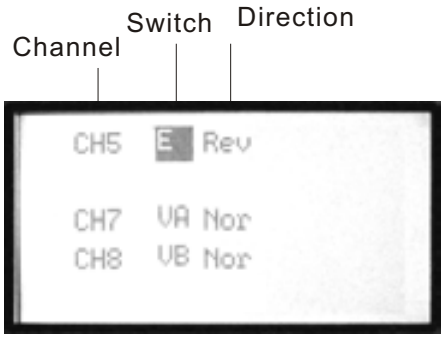
Use up or down keys to select **Swash param setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set the travel. Long press OK is back to default(60%).
3. Press EXIT after setting.

7. AUXILIARY CHANNELS SETTING





This function is for CH 5 to CH 8 function setting.

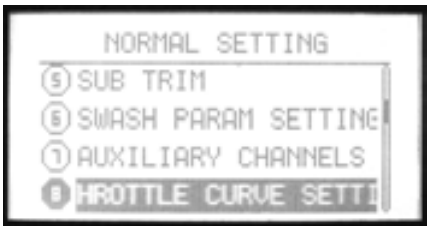
Setting Method:

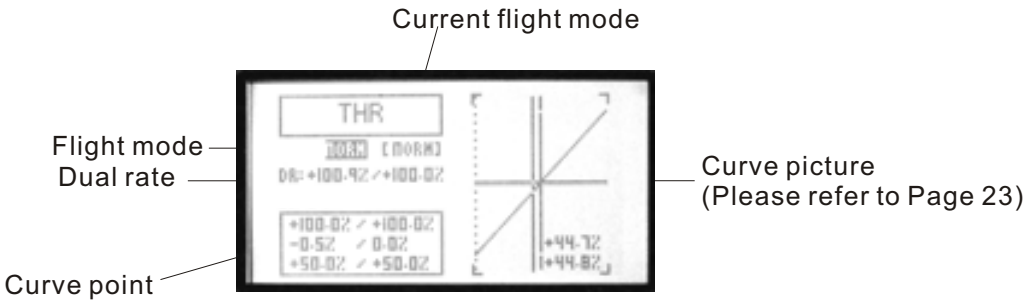
Use up or down keys to select **Swash param setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set the switches or knobs. The switches can be set from A to F, the knobs can be set as VA, VB, VC or none(-).
3. Use direction keys to select, and +/- keys to set normal/reverse direction of every channel.
4. Press EXIT after setting.

8. THROTTLE CURVE SETTING





Throttle curve, together with the throttle stick, can be adjusted properly to maximize engine performance at a particular pitch setting.
There are two kinds of curve settings, normal (7 points curve), advanced (2-10 points curve), the range is between 0%-120%.
The transmitter can set the following curves:
NORM, IDLE1, IDLE2, IDLE3.

Normal curve is based on hovering, to maximize engine performance at a particular pitch setting.
Idle curve is for engine proper work in a 3D flight, with a good match between throttle and pitch.

Setting Method:

Use up/down keys to select **Throttle curve setting**, OK to enter editing.

Steps:

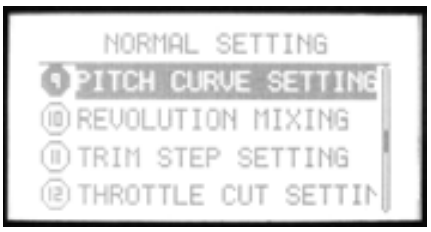
1. Flight(NORM IDLE1 IDLE2 IDLE3)
   Use direction keys to select editing part. Use +/- keys to select one curve.

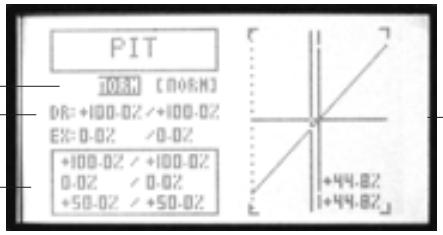
2. Set Dual rate
   Use direction keys to select “D/R” and edit (one or two values can be set separately or together). Press +/- keys can increase or delete the value. Long press OK is back to default.

3. Curve point setting(Normal/Advanced)
   The below pane shows the points curve.
   Select “Advanced setting” in “SYS setting”, choose the curve.
   For detail curve setting method please refer to Page 23.

4. Press EXIT after setting.

9. PITCH CURVE SETTING





Pitch curve, together with the throttle stick, can be adjusted properly to maximize engine performance at a particular pitch setting.
There are two kinds of curve setting, normal (7 points curve), advanced (2-10 points curve), the range is between 0%-120%.
The transmitter can set the following curves:
NORM, IDLE1, IDLE2, IDLE3.

Normal curve is based on hovering, to maximize engine performance at a particular pitch setting.
Idle curve is for engine proper work in a 3D flight, with a good match between throttle and pitch.

Setting Method:

Use up/down keys to select **PITCH CURVE SETTING**, OK to enter editing.

Steps:

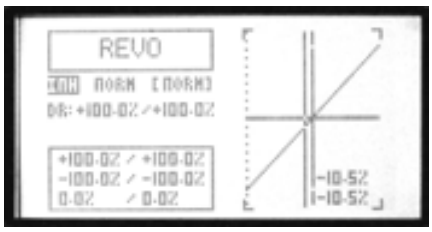
1. Flight(NORM IDLE1 IDLE2 IDLE3)
   Use direction keys to select editing part. Use +/- keys to select one curve.

2. Set Dual rate
   Use direction keys to select “D/R” and edit (one or two values can be set separately or together).Press +/- keys can increase or delete the value. Long press OK is back to default.

3. Curve point setting(Normal/Advanced)
   The below pane shows the points curve.
   Select “Curve setting” in “SYS setting”, choose the curve.
   For detail curve setting method please refer to Page 23.

4. Press EXIT after setting.

10. REVOLUTION MIXING



This curve mix adds opposite rudder input to counteract the changes in torque when the speed and collective pitch of the blades is changed.

Setting Method:

Use +/- keys to select **Revolution mixing**, OK to enter editing.

Steps:

1. Flight(NORM IDLE1 IDLE2 IDLE3)
   Use direction keys to select editing part. Use +/- key to select one curve.
2. Set Dual rate
   Use direction keys to select “D/R” and edit (one or two values can be set separately or together). Press +/- key can increase or delete the value. Long press OK key is back to default.
3. Curve point setting(Normal/Advanced)
   The below pane shows the points curve.
   Select “Curve setting” in “SYS setting”, choose the curve.
   For detail curve setting method please refer to Page 23.
4. Press EXIT after setting.

11. TRIM STEP SETTING

This function is to change the rate at which the trim moves when the TRIM LEVER is activated. The range is from 0 to 250. Generally larger trim steps are for models with larger control throws or for first flights to ensure sufficient trim to properly correct the model. Smaller trim steps are later used to allow very fine adjustments in flight.

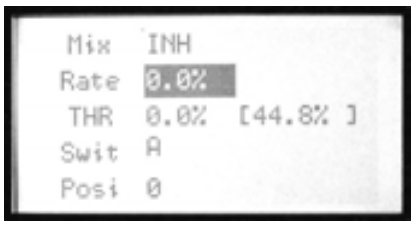
Setting Method:

Use up/down keys to select **Trim step setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to adjust the size of the step, select “RESET” to set all the sub-trim value to 0.
3. Press EXIT after setting.

12. THROTTLE CUT SETTING



This function is to shut off the engine at the end of a flight. The engine can be stopped with one touch of any switch, eliminating the need to move the trim to kill the engine and then readjust prior to each flight. The helicopter THR CUT includes an ON/OFF throttle position (normally a little above idle). You must move the THROTTLE STICK back below the set point before the THR-CUT function can be reset, to avoid sudden engine acceleration.

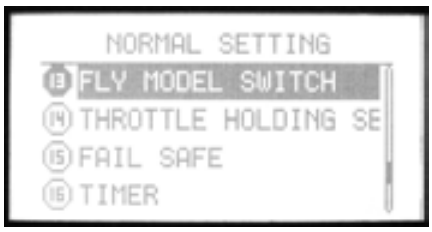
Setting Method:

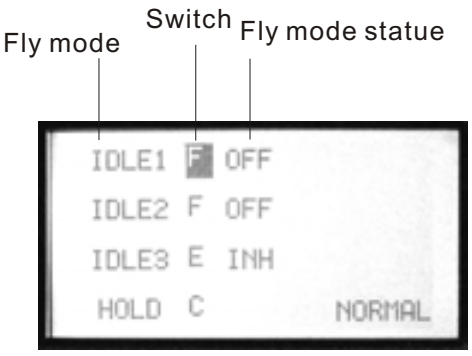
Use up/down keys to select **Throttle cut setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to turn on/off throttle cut function.
3. Use +/- keys to set the throttle rate and trim (range is from +45 to -45%).
4. Use +/- keys to set the position(SWF A-F).
5. Use +/- keys to set the position when switch is ON.
6. Press EXIT after setting.

13. FLY MODEL SWITCH





This function is to select the flight mode.

Setting Method:

Use up/down keys to select **Fly model switch**, OK to enter editing.

Steps:
1. Use direction keys to select editing part.
2. Use +/- keys to set ON/OFF of each fly model.
3. Use +/- keys to set each fly model OFF/DISABLE position.
4. Press EXIT after setting.

14. THROTTLE HOLDING SETTING

This function can make the throttle servo operating at a low speed position at the end of a flight. The range is between -75% and +75%.
User can set the mix function with rudder under the throttle holding state and the mix rate (offset).
This function switch can be found in "**Fly model switch**".

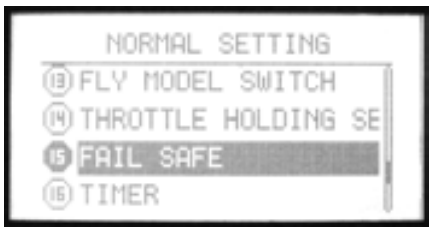
Setting Method:

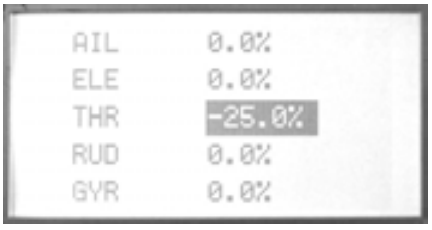
Use up/down keys to select **Throttle holding setting**, OK to enter editing.

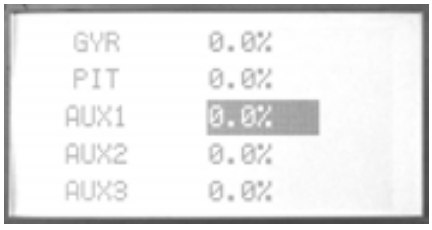
Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to active or inhibit the mix function.
3. Use +/- keys to set the throttle holding position. Long press OK can back to default.
4. Use +/- keys to active or inhibit the rudder mix.
5. Use +/- keys to set the mix rate (offset). Long press OK can back to default.
6. Press EXIT after setting.

15. FAIL SAFE







This function is to set responses in case of loss of signal or low RX battery.

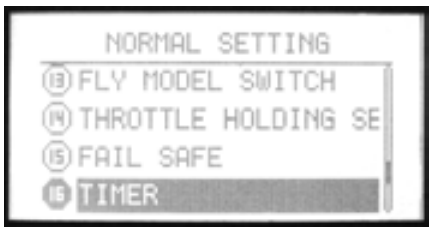
Setting Method:

Use up/down keys to select **Fail safe**, OK key to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to select “hold” or “0.0%”
3. Press OK to confirm the current parameter.
4. Press EXIT after setting.

16. TIMER



The flight time of every helicopter is different according to the different tank of fuel, engine, ESC, etc. Timer function can alarm you to land before the fuel lacks.
The transmitter can set 3 timers (A, B, C). The longest time can be set as MM99SS59. The countdown timer can alarm user before 10 minutes. The alarm will become 2S/1S from 1S/1S in the last 10 seconds. When the countdown timer is 0, the time will add up.
The timer can be seen in the opening screen. Any switch can be set to control the begin and stop of the time.

Setting Method:

Use up/down keys to select **TIMER**, OK button is to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Set timer. WFT08 can set 3 timers (A, B, C).
3. Use +/- keys to set MM..SS... Long press OK can back to default.
4. Use +/- keys to set model.
5. Use +/- keys to set control(CTRL).
6. Use +/- keys to set the position which can active this function.
7. Press EXIT after setting.

18. LANGUAGE

This function is to select the language, Simplified Chinese and English can be selected.

Setting Method:

1.Use up/down keys to select Language in the SYS Setting menu.
2.Press Ok key to enter editing.
3. Press EXIT after setting.

17. ADVANCED

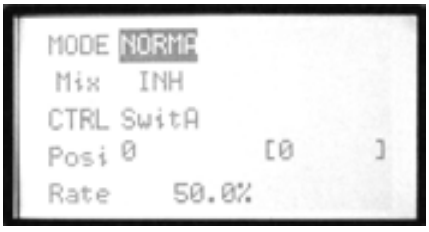
To realize an idea fly, there are 17 advanced function in More setting.

Setting Method:

Use up/down keys to select **ADVANCED**, OK to enter editing.
+/- keys can switch between pages.
please read the following pages for more about advanced functions .

ADVANCED FUNCTION INTRODUCTION

(1). GYRO SENS SETTING



User can adjust the gyro sensitivity by transmitter,AVCS gyro (GY) and normal gyro (STD).
Gyro sensitivity switch plug should plug in the fifth channel of receiver. The auxiliary channel CH 5 won't have any function now. User can set sensitivity switch from switch A to F, and also fly model (NORM, IDLE1,2,3).

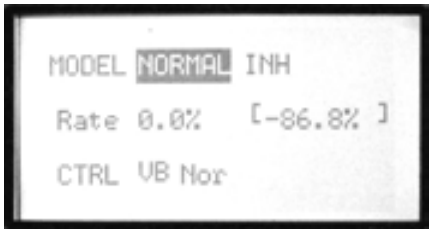
Setting Method:

Use up/down keys to select **GYRO sens setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set fly model at "MODE".
3. Use +/- keys to active or inhibit "Mix".
4. Use +/- keys to set control switch at "CTRL".
5. Use +/- keys to set the switch position when the function is active.
6. Use +/- keys to set the "Rate". Long press OK can back default.
7. Press EXIT after setting.

(2). THROTTLE HOVERING SETTING



Throttle hovering setting is fine-tuning adjustments for the throttle, affecting performance only around the center point and only in the normal condition. This function can set knob VA/VB/VC to control, turn right the rotor speed becomes faster, turn left the rotor speed becomes slower.
Rotor speed changes caused by temperature, humidity, altitude or other changes in flying conditions are easily accommodated.

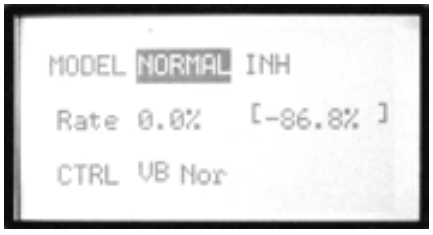
Setting Method:

Use up/down keys to select **Throttle hovering setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to select “MODEL”.
   Use +/- keys to active or inhibit this function.
3. Use +/- keys to set “Rate”. Long press OK can back default.
4. Use +/- keys to set control switch.
5. Use +/- keys to set front/back.
6. Press EXIT after setting.

(3). PITCH HOVERING SETTING



Pitch hovering setting is fine-tuning adjustments for the pitch, affecting performance only around the center point and only in the normal condition.
This function can set knob VA/VB/VC/VR/VL to control, turn right the rotor speed becomes faster, turn left the rotor speed becomes slower.
Rotor speed changes caused by temperature, humidity, altitude or other changes in flying conditions are easily accommodated.

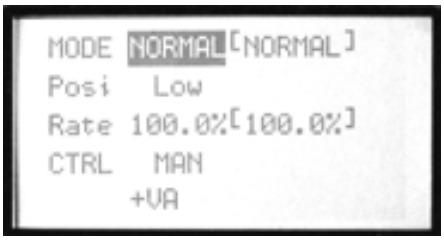
Setting Method:

Use up/down keys to select **Pitch hovering setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to select “MODEL”.
   Use +/- keys to active or inhibit this function.
3. Use +/- keys to set “Rate”. Long press OK can back default.
4. Use +/- keys to set control switch.
5. Press EXIT after setting.

(4). HI/LO PIT SETTING



This function is to set the high and low pitch position at different flying modes.
This function can set knob VA/VB/VC to control or controlled by user "CTRL MAN".
IF "CTRL MAN", the pitch is set by "Rate", the range is between 60%-100%.

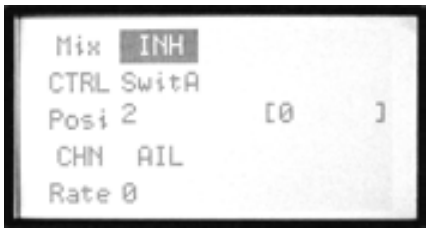
Setting Method:

Use up/down keys to select **HI/LO PIT setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/-keys to select "MODEL".
   Use +/- keys to active or inhibit this function.
3. Use +/- keys to set the "Pos", low or high.
4. Use +/- keys to set "Rate". Long press OK can back default.
5. Use +/- keys to set control switch.
6. Press EXIT after setting.

(5). TRIM OFFSET SETTING



This function is to adjust the servo trim at hovering state. This function is used to automatically change the trim of a helicopter, for example, when transitioned from hover to flying at high speed. A clockwise-rotation rotor helicopter tends to drift to the right at high speed, so an aileron offset may be applied to offset the helicopter to the left.
The necessary elevator offset varies with model geometry, so it must be determined by noting collective pitch changes at high speed.
The rudder offset is affected by both revolution mixing and trim lever movement while in the offset function.

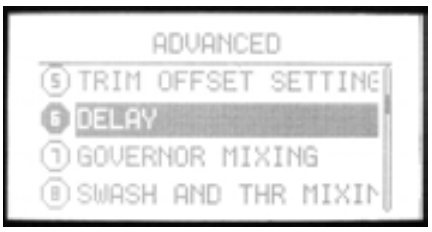
Setting Method:

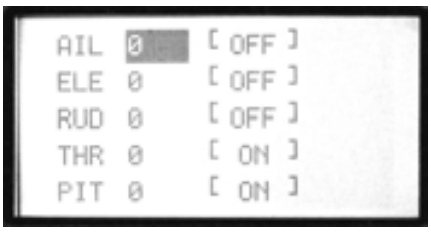
Use up/down keys to select **Trim offset setting**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to active or inhibit “Mix”.
3. Use +/- keys to set the control switch “CTRL”.
4. Use +/- keys to set the control switch position “Pos“.
5. Use +/- keys to set the channel, eg: aileron, elevator, direction etc.
6. Use +/- keys to set the mix rate “Rate”. Long press OK can back default.
7. Press EXIT after setting.

(6). DELAY





This function is to delay the aerobatics or throttle cut when the helicopter is in the air so that to avoid the big trim change. The Delay function provides a smooth transition between the trim positions whenever OFFSET, REVO. MIXING, or THROTTLE HOLD functions are turned on and off.

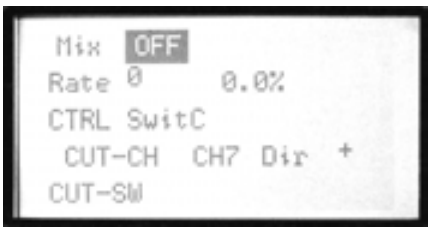
Setting Method:

Use up/down keys to select **DELAY**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set this function. Long press OK can back default.
3. Press EXIT after setting.

(7). GOVERNOR MIXING



This function is to set the governor.
The Governor mixing function is used to adjust the Governor speed settings from the transmitter.

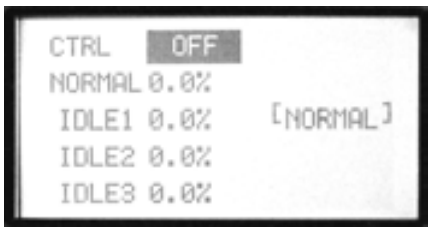
Setting Method:

Use up/down keys to select **Governor mixing**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to on/off “Mix”.
3. Use +/- keys to set the mix rate “Rate”. Long press OK can back default.
4. Use +/- keys to set the control switch “CTRL“.
5. Use +/- keys to set the channel and its direction.
6. Press EXIT after setting.

(8). SWASH AND THR MIXING



This function is to adjust throttle and pitch mix function.

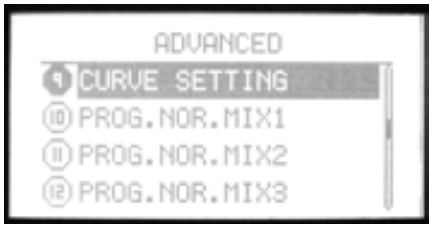
Setting Method:

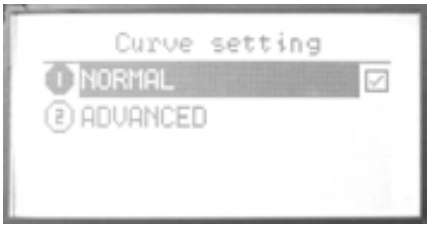
Use up/down keys to select **Swash and THR mixing**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to on/off “Mix”.
3. Use +/- keys to set value of Mix, long press to back default.
4. Press EXIT after setting.

(9). CURVE SETTING





There are 2 kinds of setting, Normal and Advanced.

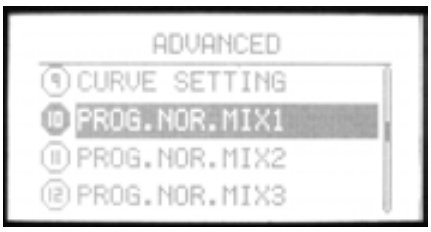
Setting Method

Use up/down keys to select curve setting. OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use OK to enter.
3. Press EXIT after setting.

(10). PROG. NOR. MIX1-5

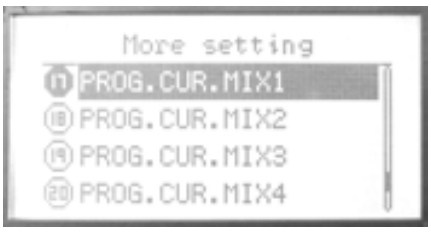


The mix program is to adjust the flying pose. There are 5 series programs with the same setting method. You can set one mix and one mix with another one mix.

Setting Method
Use up/down keys to select **PROG. NOR. MIX**, OK to enter editing.

Steps:
1. Use direction keys to select editing part and +/- keys to select channel. Set any two channels mix.
2. Use +/- keys to active or inhibit “Mix”.
3. Use +/- keys to active or inhibit “Link” and “TRIM”.
4. Use +/- keys to active or inhibit “CTRL“.
5. Use +/- keys to set the control switch position.
6. Press EXIT after setting.

(11). PROG. CUR. MIX1-2



There are 2 curve mix program, the curve is made up by 2 to 10 point.

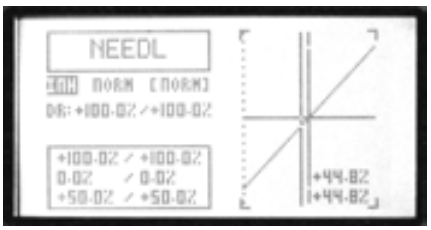
Setting Method:

Use up/down keys to select **PROG. CUR. MIX1-2**, OK to enter editing.

Steps:

1. Use direction keys to select editing part and +/- keys to select any channel. Set any two channels mix.
2. Use +/- keys to active or inhibit “Mix”.
3. Use +/- keys to active or inhibit “Link” and “TRIM”.
4. Use +/- keys to active or inhibit “CTRL“.
5. Use +/- keys to set the control switch position.
6. Set the curve point.(Normal/Advanced). Please refer to page 23.
7. Press EXIT after setting.

(12). THROTTLE NEEDLE MIXING



Use throttle needle to adjust proportion of mixing gas. The throttle stick has 2-10 points, and adjust NORM and IDLE1, 2, 3 seperately.

Setting Method

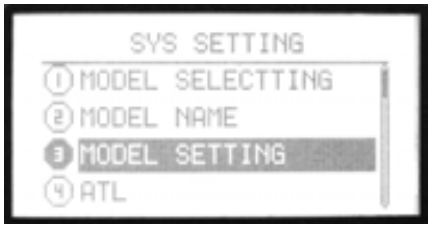
Use up/down keys to select **Throttle needle mixing**, OK to enter editing.

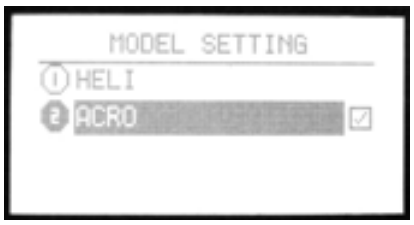
Steps:

1. Use +/- keys to active or inhibit this function when it shows ON/INH on screen.
2. Select fly model(NORM, IDLE1, IDLE2, IDLE3.)
   Use +/- keys to select one curve.
3. Set D/R
   Use direction keys to select “D/R”, edit one or two parameter. +/- keys can increase or decrease the value. Long press the OK is back to default.
4. Set EX
   Use direction keys to select “EX”, edit one or two parameter. +/- keys can increase or decrease the value. Long press the OK is back to default. EX can adjust aileron, throttle, rudder sensitivity when the sticks are around the middle.
   There are a lot of mixes when “D/R” and “EX” come together.
5. Curve setting method please refer to page 23.

AIRPLANE

Press Menu and turn on the transmitter to enter SYS SETTING.
Select **MODEL SETTING**, press OK button to select the model type Airplane.
Restart the transmitter after setting.





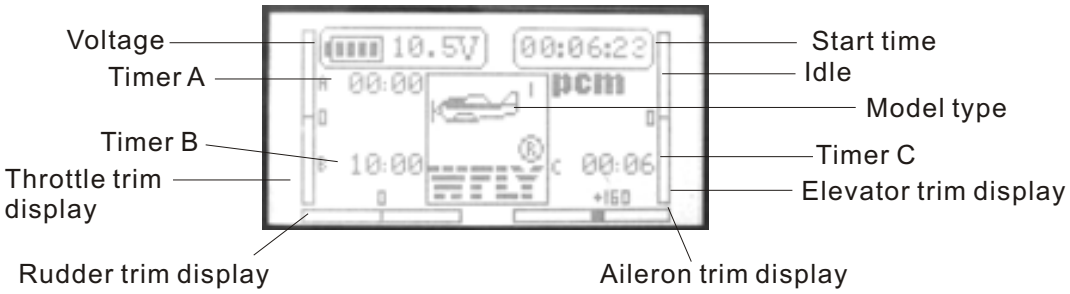
Introduction

This is for Airplane function. Long press Menu key, then turn on the radio to enter SYS SETTING. Use +/− keys to select Model Setting, press OK to enter the setting menu.
Choose ACRO model, then reset radio. Enter the function of airplane.

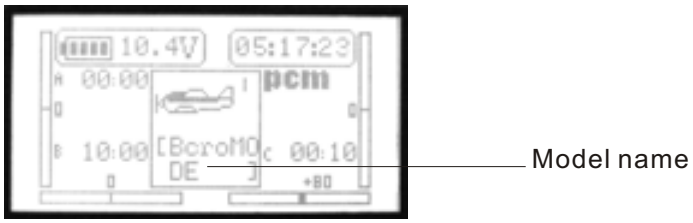
Editing mode and function introduction

1. Opening Screen

Turn on the power switch, the LCD displays as follows.



The start up screen displays the voltage, timer, model, aileron, throttle, elevator and rudder trim state.
Note: Press EXIT you can see the model name.

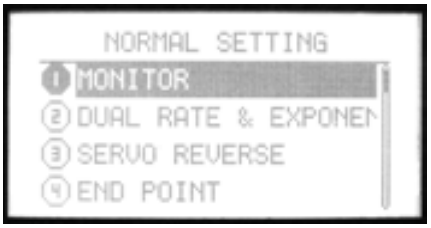


2. Menu Screen

There are "NORMAL SETTING", "SYS SETTING", "ADVANCED".

A. NORMAL SETTING

Turn on the transmitter, press the menu key, the LCD displays content on the LCD.



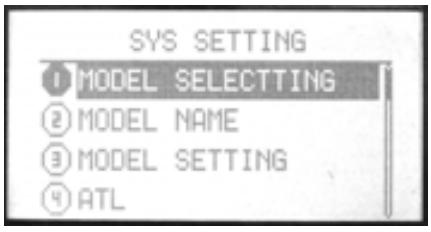
Setting method:

1. Use direction keys to select the editing part, use up/down keys to select function item. Left/right direction keys to turn page.
2. Press OK to enter submenu. The submenu function is described in the next chapter.
3. Press EXIT key to go back to previous menu and the data is set automatically.

1. MONITOR
2. DUAL RATE & EXPONENTIAL SETTING
3. SERVO REVERSE
4. END POINT
5. SUB TRIM
6. AUXILIARY CHANNELS SETTING
7. THROTTLE CURVE SETTING
8. TRIM STEP SETTING
9. FLAPERON
10. FLAP TRIM
11. AIL-DIFF
12. ELEV-FLAP
13. THROTTLE CUT SETTING
14. IDLE DOWN
15. FAIL SAFE
16. TIMER
17. ADVANCED
18. LANGUAGE

B. SYS SETTING

Press Menu and turn on the power switch, the LCD displays the following:



1. MODEL SELECTING
2. MODEL NAME
3. MODEL SETTING
4. ATL
5. AIL-2
6. MODULATION SETTING
7. STICK SETTING
8. REST SETTING
9. SEND DATA
10. RECEIVE DATA
11. CONTRAST SETTING
12. ENGINEER MODEL
13. ABOUT
14. LANGUAGE

Setting method:

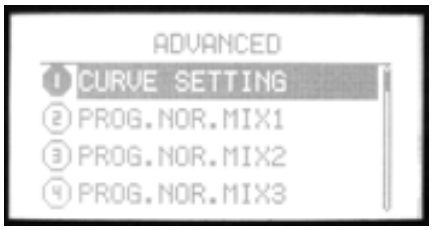
1. Use direction keys to select the editing part, use up/down keys to select function item. Left/right direction keys to switch pages.

2. Press OK to enter submenu. The submenu function is described in the next chapter.

3. Press EXIT key to go back to previous menu and the data is set automatically.

C. ADVANCED

1. Enter “NORMAL SETTING”, use right direction keys to switch pages, select “ADVANCED”. Press OK to enter.



Setting method:

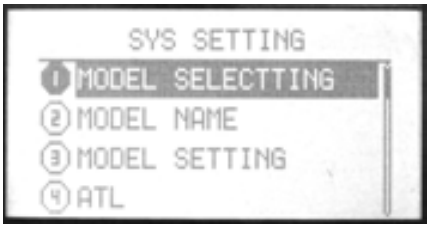
1. Use direction keys to select the editing part, use up/down keys to select function item. Left/right direction keys to turn page.

2. Press OK to enter submenu. The submenu function is described in the next chapter.

3. Press EXIT key to go back to previous menu and the data is set automatically.

SYS SETTING

1.MODEL SELECTTING



There are 8 airplane models. You can select any one to set.

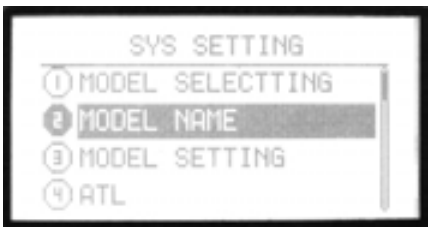
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**MODEL SELECTING**”, OK to enter editing.

Steps:

1. Use up/down direction keys to select the model.
2. Use OK key to select.
3. Press EXIT after setting.

2. MODEL NAME



This function is to make new names by users.

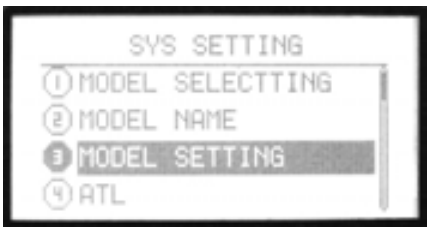
Setting Method:

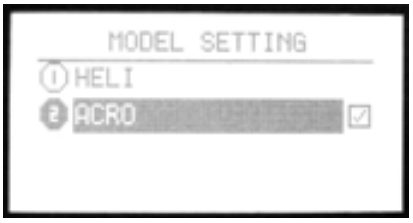
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**MODEL NAME**”, OK button to enter editing.

Steps:

1. You can edit the underlined letter.
2. Use OK key to choose the word you like.
3. Press EXIT after setting.

3. MODEL SETTING





You can select the model type. There are two type: HELI, ACRO.

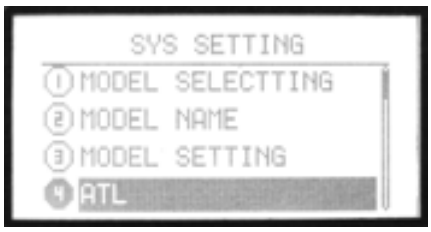
Setting Method:

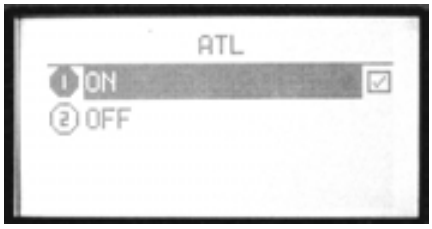
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**MODEL SETTING**”, OK to enter editing.

Steps:

1. Use up/down direction keys to select the model type.
   Press OK key to confirm.
2. Press EXIT after setting.

4. ATL





Adjustable travel limit (ATL) makes throttle trim effective only at low throttle, disabling the trim at high throttle. This prevents pushrod jamming due to idling trim changes. This function defaults to ON. If you are not using channel 3 for throttle, you may want trim operation the same as on all other channels. To do so, set ATL to OFF.

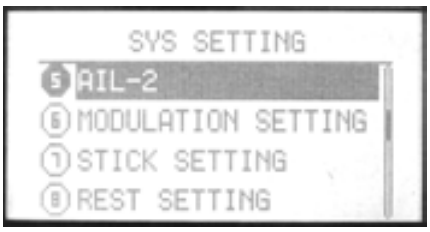
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**ATL**”, OK to enter editing.

Steps:

1. Use direction keys to select the editing part.
2. Press OK key to set ATL function.
3. Press EXIT after setting.

5. AIL-2



AIL-2 is another channel for aileron.

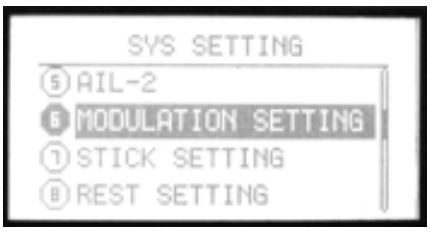
Setting Method:

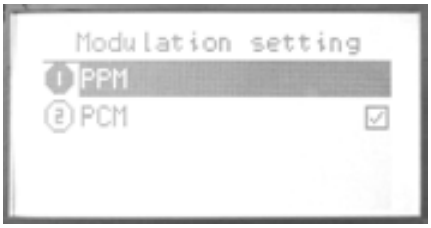
Press Menu and turn on the transmitter to enter “SYS SETTING”
Use up/down keys to select “**AIL-2**”, OK to enter editing.

Steps:

1. Use direction keys to select model.
2. Press OK key to confirm.
3. Data is set automatically.

6. MODULATION SETTING





Because of the different receiver modulation PPM/PCM, the transmitter should be accordance with the receiver modulation.

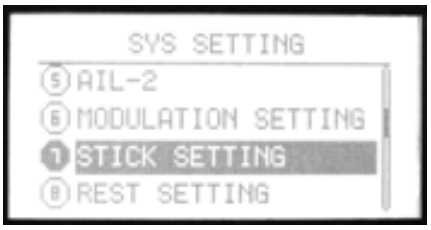
Setting Method:

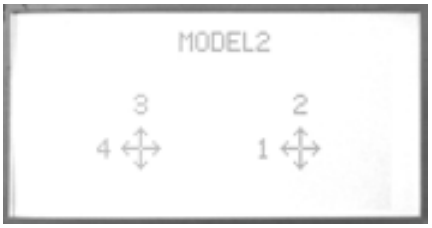
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**Modulation setting**”, OK to enter editing.

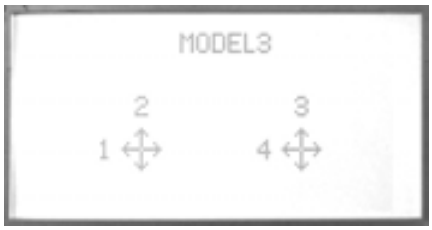
Steps:

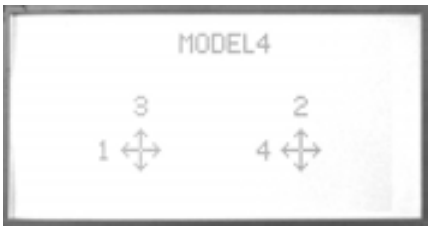
1. Use direction keys to select the editing part.
2. Press OK key to confirm, then press right key to confirm. Restart the transmitter and it works.

7.STICK SETTING









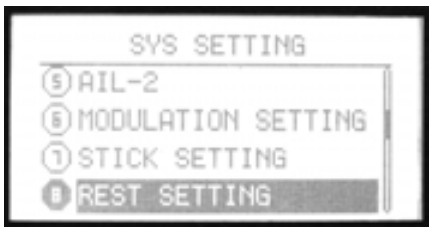
There are 4 kinds of mode, you can use up/down direction keys to select the mode you preferred.

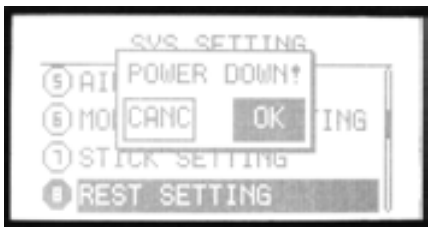
1-aileron
2-elevator
3-throttle
4-rudder

Setting Method:
Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**STICK SETTING**”, OK to enter editing.

Steps:
1. Use direction keys to select the editing part.
2. Press up/down keys to choose Stick mode.
3. Press EXIT after setting， the data is set automatically.

8.REST SETTING





This function is to back default.

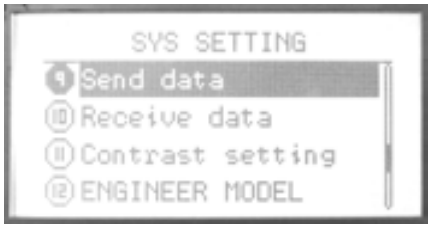
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**REST SETTING**”, OK to enter editing.

Steps:

1. Use direction keys to select the editing part.
2. Press OK key to confirm.
3. Restart the transmitter and it works.
4. The default language is English.

9. SEND DATA



Two transmitters (WFT08) can copy data by a trainer/data transfer cable. This function and the next function "Receive data" can be realized between transmitters.

Setting Method:

Press Menu and turn on the transmitter to enter "SYS SETTING" Use up/down keys to select "**SEND DATA**", OK to enter editing.

Steps:

1. Select the model data you want to send out.
2. Press OK to send.

10.RECEIVE DATA

Two transmitters (WFT08) can copy data by a trainer cable/data transfer cable. This function and the previous function "Send data" can be realized between transmitters.

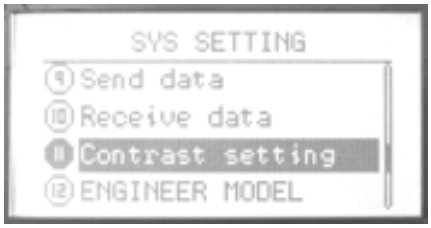
Setting Method:

Press Menu and turn on the transmitter to enter "SYS SETTING"
Use up/down keys to select "**RECEIVE DATA**", OK to enter editing.

Steps:

1. Press OK to receive data.
2. Restart the transmitter after receiving the data and it works.

11.CONTRAST SETTING



This function is to adjust the LCD brightness by increasing or decreasing the contrast value.

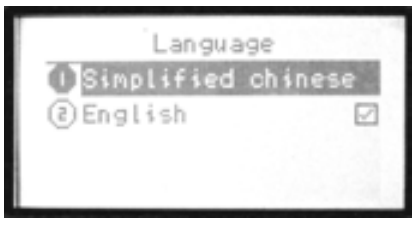
Setting Method:

Press Menu and turn on the transmitter to enter “SYS SETTING” Use up/down keys to select “**RECEIVE DATA**”, OK to enter editing.

Steps:

1. Use +/- keys to increase or decrease the value.
2. Long press OK to go back to default.
3. Press EXIT after setting.

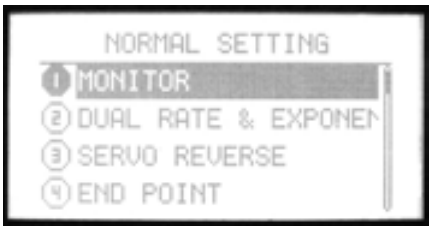
14.LANGUAGE



This function is to select the language, Simplified Chinese and English can be selected.

NORMAL SETTING(AIRPLANE)

1. MONITOR

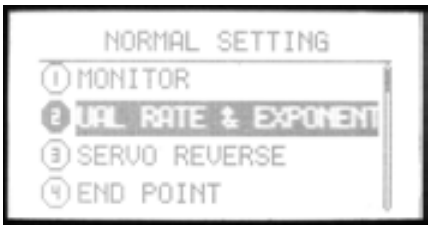


Monitor shows the stick/switch/knob movement.
For PCM, this function is to describe the 8 channels output.

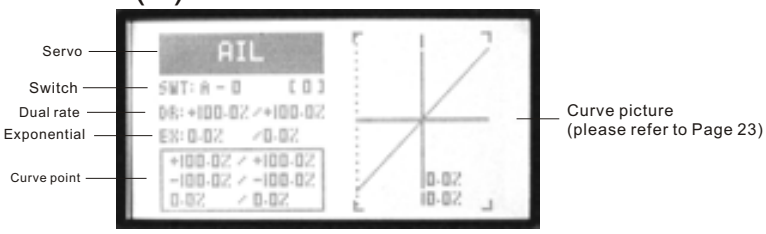
Setting Method:

Press menu key, enter system setting, the first function is the monitor.

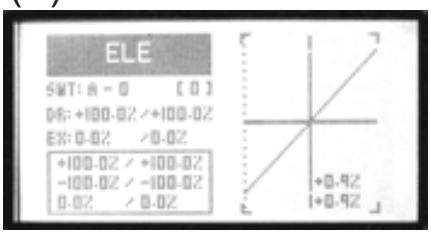
2. DUAL RATE & EXPONENTIAL SETTING



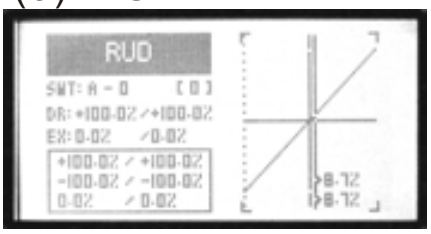
(1). AIL



(2). ELE



(3). RUD

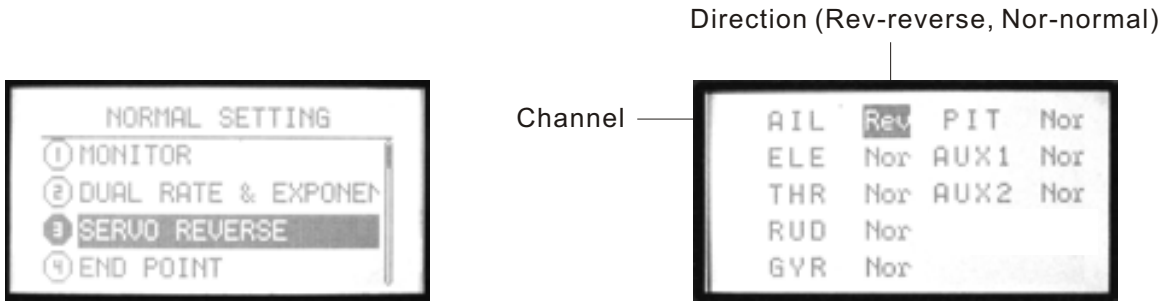


Dual rate is to adjust aileron, elevator and rudder travel range. The range is between 0%-120%.
Exponential setting is to adjust aileron, elevator and rudder sensitivity when the sticks are around the middle. The range is between -100% to +100%.

Setting Method:

1. Select channel
   Aileron, elevator direction and rudder are selectable. Press +/- keys to select channel.
2. Set the switch and its position(0,1,2)
   Press direction keys to select “SWT”, edit it. +/- keys can select function switch(A-F).
   After selecting the function switch, press right direction key to enter the switch position setting, use +/- keys to set（0, 1, 2）.
3. Set dual rate
   Press direction keys to select “D/R”, edit it. Edit one or two parameter.
   +/- keys can increase or decrease the value.
   Long press OK key is to back default.
4. Set exponential
   Press direction key to select “EX”. Exponential can adjust aileron, throttle and rudder sensitivity as the stick at the middle.
5. Set curve point (normal/advanced)
   The box under “EX” shows the curve points.
   Select “Curve setting” in More setting function list.
   Please refer to Page 23 for detail curve setting.
6. Press EXIT after all the values are finished setting.

3. SERVO REVERSE



This function is to change the direction of the servos movement.

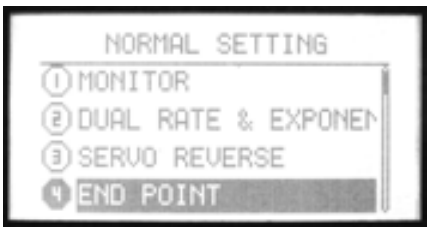
Setting Method:

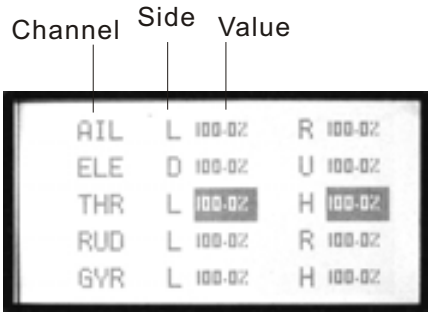
Use up/down keys to select **SERVO REVERSE**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys or OK key to switch the servo movement direction.
3. Press EXIT after setting.

4. END POINT





It is to adjust the end of individual servo's travel. The range is from 0% to 120%.

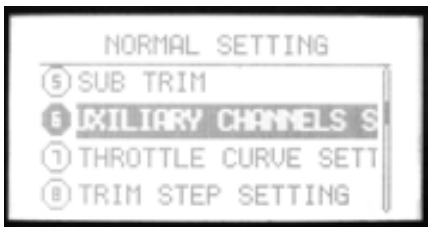
Setting Method:

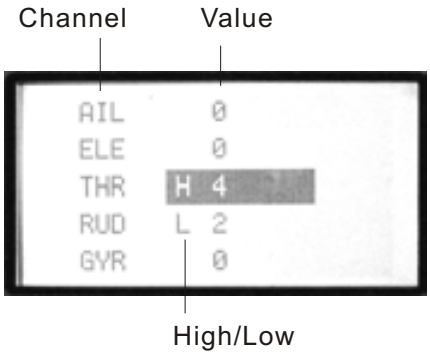
Use up or down keys to select **END POINT**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set the travel value. Long press OK is back to default.
3. Press EXIT after setting.

5. SUB TRIM





Sub trim makes small changes or corrections to the neutral position of each servo. Range is -120 to +120, default setting is 0.

We recommend that you center the digital trims before making Sub trim changes, and that you tryto keep all of the Sub trim values as small as possible. Otherwise, when the Sub trims are large values, the servo's range of travel is restricted on one side.

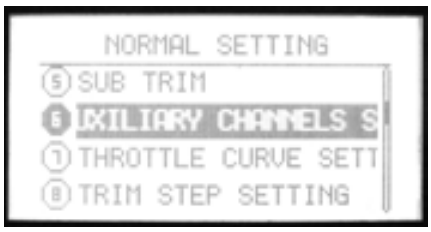
Setting Method:

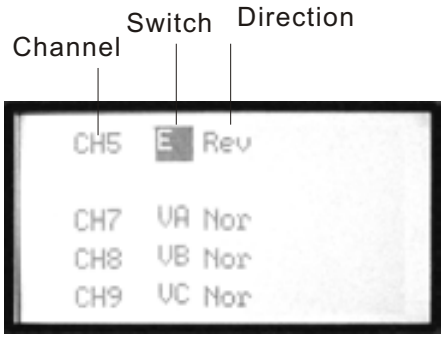
Use up or down keys to select **SUB TRIM**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys or OK key to set the trim value. Long press OK is back to default.
3. Press EXIT after setting.

6. AUXILIARY CHANNELS SETTING





This function is for channel 5 to channel 8 function setting.

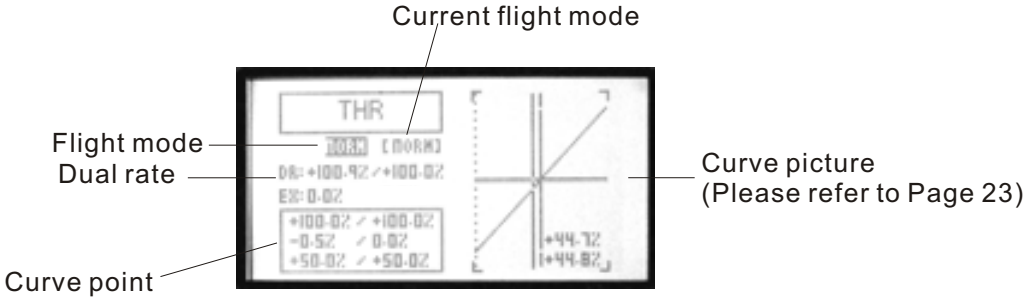
Setting Method:

Use up or down keys to select **AUXILIARY CHANNELS SETTING**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set Switch or knob of each channel. The switch can be set from A to F, the knobs can be set as VA, VB,VC or none(-).
3. Use left or right direction keys to choose normal or reverse direction of every channel, use +/- keys to set.
4. Press EXIT after setting.

7. THROTTLE CURVE SETTING



Throttle curve, together with the throttle stick, can be adjusted properly to maximize engine performance at a particular pitch setting.
There are two kinds of curve setting, normal (7 points curve), advanced (2-10 points curve), the range is between 0%-120%.
The transmitter can set the following curves: NORM, IDLE1, IDLE2, IDLE3.

Normal curve is based on hovering, to maximize engine performance at a particular pitch setting.
Idle curve is for engine proper work in a 3D flight, with a good match between throttle and pitch.

Setting Method:

Use up/down button to select **THROTTLE CURVE SETTING**, OK button is to enter editing.

Steps:

1. Set Dual rate
   Use direction keys to select “D/R” and edit (one or two values can be set separately or together). Press +/- keys can increase or delete the value. Long press OK is to back default.

2. Curve point setting(Normal/Advanced)
   The below pane shows the points curve.
   Select “Advanced setting” in “Data setting”, press OK to choose the curve.
   For detail curve setting method please refer to Page 23.

3. Press EXIT after setting.

8. TRIM STEP SETTING

This function is to change the rate at which the trim moves when the TRIM LEVER is activated. The range is from 0 to 250. Generally larger trim steps are for models with larger control throws or for first flights to ensure sufficient trim to properly correct the model. Smaller trim steps are later used to allow very fine adjustments in flight.

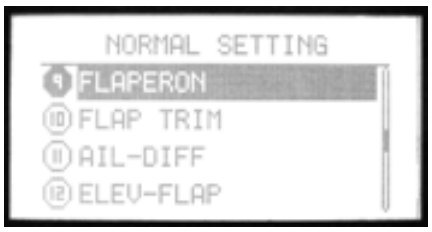
Setting Method:

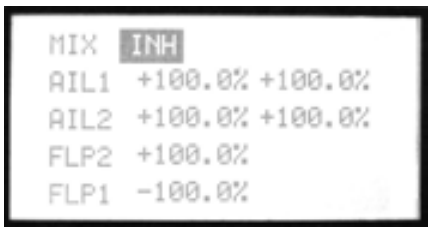
Use up/down keys to select **TRIM STEP SETTING**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to adjust the size of the step. Repeat as desired for other channels. If you select RESET, the current channel trim value change to 0.
3. Press EXIT after setting.

9. FLAPERON





FLAPERON mixing function uses on servo on each of the two ailerons, and uses them for both aileron and flap function.

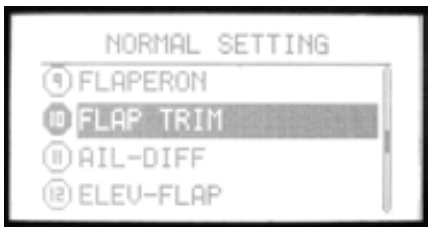
Setting Method:

Use up/down keys to select **FLAPERON**, OK to enter editing.

Steps:

1. Use direction keys to select editing part, use+/- keys to select on/disable.
2. Use direction keys to select editing part.
3. Use +/- keys to set value. Long press OK is back to default.
4. Press EXIT after setting.

10. FLAP TRIM



FLAP TRIM assigns the primary flaperon control to allow trimming in flight of the flap action of flaperons.

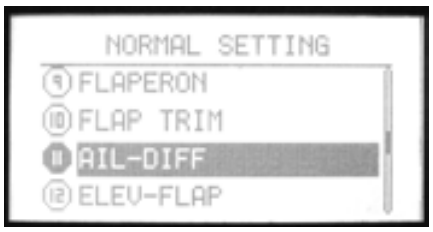
Setting Method:

Use up/down keys to select **FLAP TRIM**, OK to enter editing.

Steps:

1. Use direction keys to select editing part, use+/- keys to select on/disable.
2. Use direction keys to select editing part.
3. Use +/- keys to set value. Long press OK is back to default.
4. Press EXIT after setting.

11. AIL-DIFF



Aileron differential(AIL-DIFF) is primarily used on 3-servo wings, with one servo operating inboard flap(s) on Ch6, and AIL-DIFF controlling proper aileron operation of 2 aileron servos, plugged into Ch1 and Ch7.

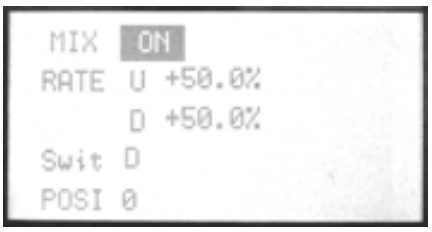
Setting Method:

Use up/down keys to select **AIL-DIFF**, OK to enter editing.

Steps:

1. Use direction keys to select editing part, use+/- keys to select on/disable.
2. Use direction keys to select editing part.
3. Use +/- keys to set value. Long press OK is back to default.
4. Press EXIT after setting.

12. ELEV-FLAP



ELEV-FLAP mixing is the first pre-programmed mix we'll cover. This mix makes the flaps drop or rise whenever the elevator stick is moved. It is most commonly used to make tighter pylon turns or squarer corners in maneuvers. In most cases, the flaps droop (are lowered) when up elevator is commanded.

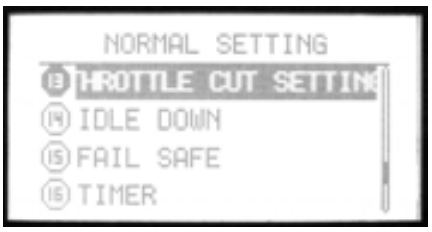
Setting Method:

Use up/down keys to select **ELEV-FLAP**, OK to enter editing.

Steps:

1. Use direction keys to select editing part, use+/- keys to select on/disable.
2. Use direction keys to select editing part.
3. Use +/- keys to set value. Long press OK is back to default.
4. Use direction keys to select switch, use +/- keys to select switch (A-F) and switch position (0, 1, 2, 3).
5. Press EXIT after setting.

13. THROTTLE CUT SETTING



This function is to shut off the engine at the end of a flight. The engine can be stopped with one touch of any switch, eliminating the need to move the trim to kill the engine and then readjust prior to each flight. The helicopter THR CUT includes an ON/OFF throttle position (normally a little above idle). You must move the THROTTLE STICK back below the set point before the THR-CUT function can be reset, to avoid sudden engine acceleration.

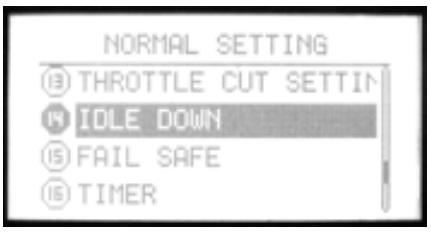
Setting Method:

Use up/down keys to select **THROTTLE CUT SETTING**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to select on/disable.
3. Use +/- keys to set the throttle rate and trim (range is between 0 to 45%).
4. Use direction keys to select switch, use +/- keys to select switch(A-F) and switch position(0, 1, 2, 3).
5. Press EXIT after setting.

14. IDLE DOWN



This function is to lowers the engine idle for: sitting on the runway prior to take off, stalls and spins, and landings. The normal idle setting is a little higher for easier starts and safe flights with less risk of dead sticks.
The idle down function is not normally used when starting the engine, and its accidental operation may keep your engine from starting.

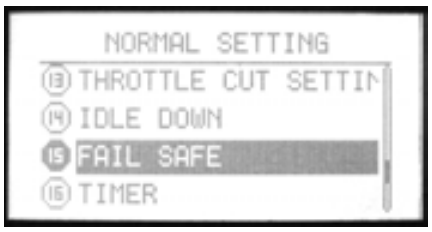
Setting Method:

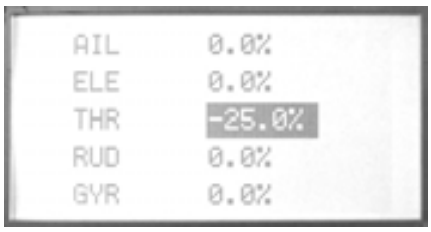
Use up/down keys to select **IDLE DOWN**, OK to enter editing.

Steps:

1. Use direction keys to select editing part, use +/- keys to select off/disable.
2. Use direction keys to select editing part.
3. Use +/- keys to set value. Long press OK is back to default.
4. Use direction keys to select switch, use +/- keys to select switch(A-F) and switch position(0, 1, 2, 3).
5. Press EXIT after setting.

15. FAIL SAFE





This function is to set responses in case of loss of signal or low RX battery.

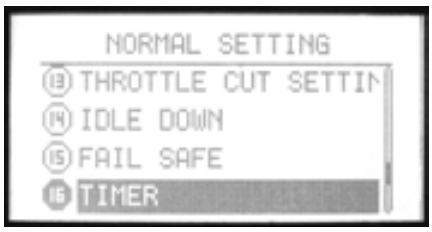
Setting Method:

Use up/down keys to select **FAIL SAFE**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to set “adjust”/ “hold” .
3. Press OK key to confirm the current parameter.
4. Press EXIT after setting.

16. TIMER



The flight time of every airplane is different according to the different tank of fuel, engine, ESC, etc. Timer function can alarm you to land before the fuel lacks.
The transmitter can set 3 timers (A, B, C). The longest time can be set as MM99SS59. The countdown timer can alarm user before 10 minutes. The alarm will become 2S/1S from 1S/1S in the last 10 seconds. When the countdown timer is 0, the time will add up.
The timer can be seen in the opening screen. Any switch can be set to control the begin and stop of the time.

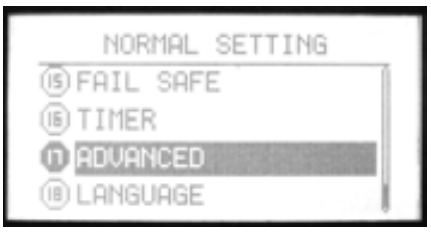
Setting Method:

Use up/down keys to select **TIMER**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Set timer. WFT08 can set 3 timers (A, B, C).
3. Use +/- keys to set MM..SS... Long press OK key can back to default.
4. Use +/- keys to set model.
5. Use +/- keys to set control(CTRL).
6. Use +/- keys to set the position which can active this function.
7. Press EXIT after setting.

17. ADVANCED



To realize an idea fly, there are 17 advanced function in ADVANCED.

Setting Method:

Use up/down keys to select ADVANCED, OK to enter editing.
+/- button can switch pages.
About each advanced functions please read the following pages.

18. Language

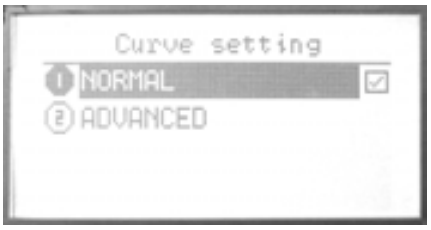
This function is to select the language, Simplified Chinese and English can be selected.

Setting Method:

1.Use up/down keys to select Language in the SYS Setting menu.
2.Press Ok key to enter editing.
3. Press EXIT after setting.

ADVANCED function introduction

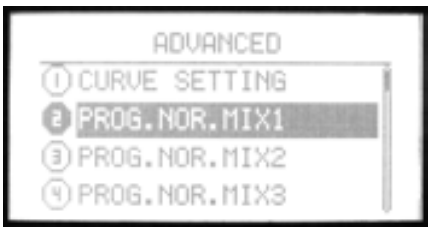
1. CURVE SETTING



There are 2 kinds of setting, Normal and Advanced.

Please refer to page 23.

2.PROG. NOR. MIX1-5

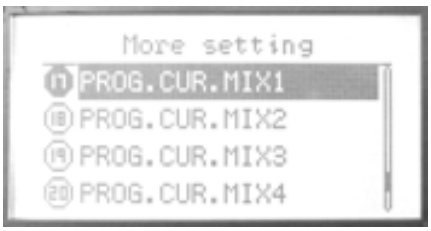


The mix program is to adjust the flying pose. There are 5 series programs with the same setting method. You can set one mix and one mix with another one mix.

Setting Method
Use up/down keys to select **PROG. NOR. MIX**, OK to enter editing.

Steps:
1. Use direction keys to select editing part. Set any two channels mix（1-5）.
2. Use +/- keys to active or inhibit “Mix” .
3. Use +/- keys to active or inhibit “Link” and “TRIM”.
4. Use +/- keys to active or inhibit “CTRL“.
5. Use +/- keys to set the control switch position.
6. Press EXIT after setting.

3.PROG. CUR. MIX1-2



There are 2 curve mix program, the curve is made up by 2 to 10 point.

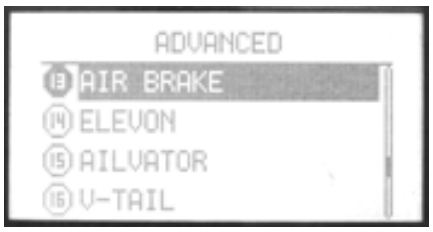
Setting Method:

Use up/down keys to select **PROG. CUR. MIX**, OK to enter editing.

Steps:

1. Use direction keys to select editing part. Set any two channels mix（1-2）.
2. Use +/- keys to active or inhibit “Mix”.
3. Use +/- keys to active or inhibit “Link” and “TRIM”.
4. Use +/- keys to active or inhibit “CTRL“.
5. Use +/- keys to set the control switch position.
6. Set the curve point.(Normal/Advanced). Please refer to page 23.
7. Press EXIT after setting.

4. AIR BRAKE



AIR BRAKE simultaneously moves the flaps, twin ailerons and elevators, and is usually used to make steep descents or to limit increases in airspeed in dives.

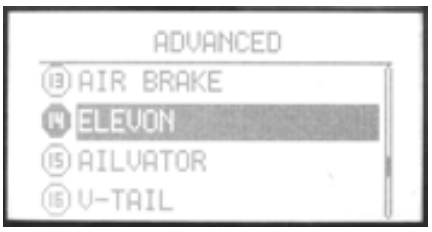
Setting Method:

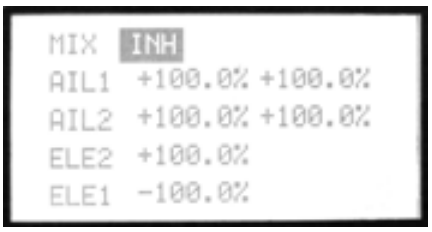
Use up/down keys to select **AIR BRAKE**, OK to enter editing.

Steps:

1. Use direction keys to select editing part.
2. Use +/- keys to off/disable “Mix”.
3. Use +/- keys to set Swit, POSI.
4. Use +/- keys to set CTRL (MAN/ THR).
5. Use +/- keys to set delay value. Long press OK is back to default.
6. Press EXIT after setting.

5. ELEVON





This function used with delta wings, flying wings, and other tailless aircraft that combine aileron and elevator functions, using two servos, one on each elevon. The aileron/elevator responses of each servo can be adjusted independently.

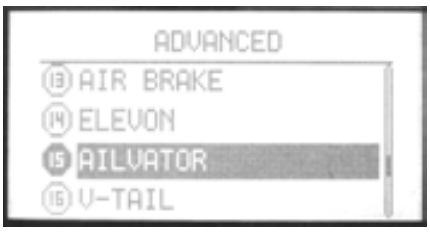
Setting Method:

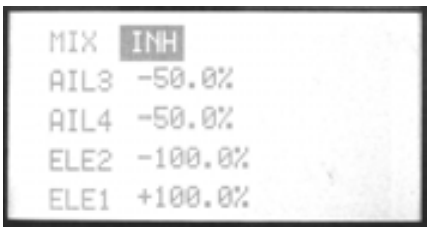
Use up/down keys to select **ELEVON**, OK to enter editing.

Steps:

1.Use+/- keys to select on/disable.
2.Use direction keys to select editing part.
3.Use +/- keys to set value. Long press OK is back to default.
4. Press EXIT after setting.

6. AILVATOR





AILEVATOR mixing function uses one servo on each of the two elevators, and combines the elevator function with the aileron function(unless aileron travel is set to 0).

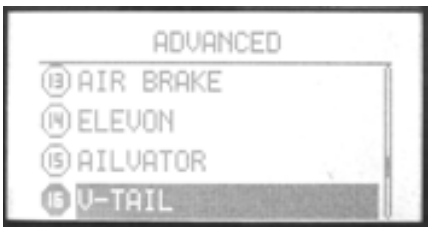
Setting Method:

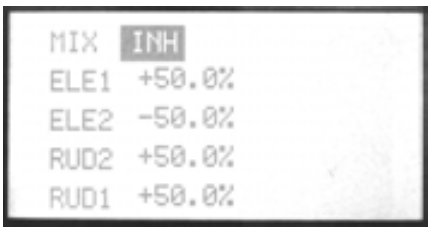
Use up/down keys to select **AILVATOR**, OK to enter editing.

Steps:

1.Use+/- keys to select on/disable.
2.Use direction keys to select editing part.
3.Use +/- keys to set value. Long press OK is back to default.
4. Press EXIT after setting.

7. V-TAIL





V-TAIL mixing is used with v-tail aircraft so that both elevator and rudder functions are combined for the two tail surfaces. Both elevator and rudder travel can be adjusted independently on each surface.

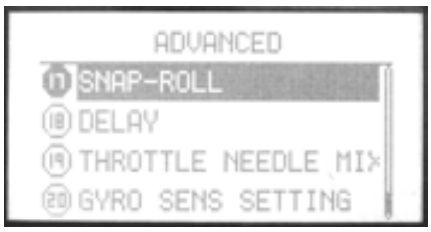
Setting Method:

Use up/down keys to select **V-TAIL**, OK to enter editing.

Steps:

1.Use+/- keys to select on/disable.
2.Use direction keys to select editing part.
3.Use +/- keys to set value. Long press OK is back to default.
4. Press EXIT after setting.

8. SNAP-ROLL



This function allows you to execute snap rolls by flipping a switch, providing the same input every time. It also removes the need to change dual rates on the 3 channels prior to performing a snap, as snap-roll always takes the servos to the same position, regardless of dual rates, inputs held during the snap, etc.

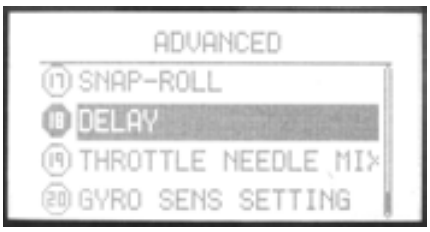
Setting Method:

Use up/down keys to select **SNAP-ROLL**, OK to enter editing.

Steps:

1.Use+/- keys to select off/disable.
2.Use direction keys to select editing part.
3.Use +/- keys to set value.
4. Press EXIT after setting.

9. DELAY



DELAY function is used to slow the response of the throttle servo to simulate the slow response of a turbine engine.

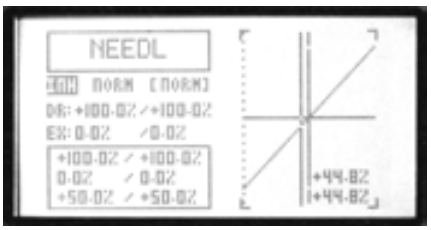
Setting Method:

Use up/down keys to select **DELAY**, OK to enter editing.

Steps:

1.Use +/- keys to select on/disable.
2.Use direction keys to select editing part.
3.Use +/- keys to set value. Long press OK is back to default.
4. Press EXIT after setting.

10. THROTTLE NEEDLE MIXING



Throttle needle is a pre-programmed mix that automatically moves an in-flight mixture servo in response to the Throttle Stick imputs for perfect engine tuning at all throttle settings. This function is particularly popular with contest pilots who fly in a large variety of locations, needing regular engine tuning adjustments, and requiring perfect engine response at all times and in all maneuvers. Also popular to minimize flooding at idle of inverted engine installations or installations with a high tank position. Not need for fuel injection engine, which do this automatically.

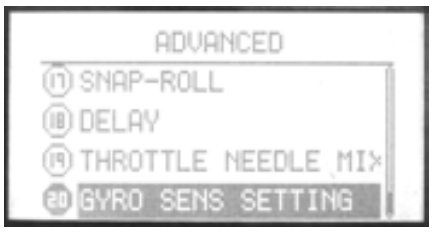
Setting Method

Use up/down keys to select **Throttle needle mixing**, OK to enter editing.

Steps:

1. Use +/- keys to active or inhibit this function.
2. Use direction keys to select “D/R”
   Edit one or two parameter.
   +/- keys can increase or decrease the value.
   Long press OK key is back to default.
3. Curve setting method please refer to page 23.

11. GYRO SENS SETTING



User can adjust the gyro sensitivity by transmitter, AVCS gyro (GY) and normal gyro (STD).
Gyro sensitivity switch plug should plug in the fifth channel of receiver. The auxiliary channel CH 5 won't have any function now. User can set sensitivity switch from switch A to F, and also fly model (NORM, IDLE1,2,3).

Setting Method:

Use up/down keys to select **GYRO sens setting**, OK to enter editing.

Steps:

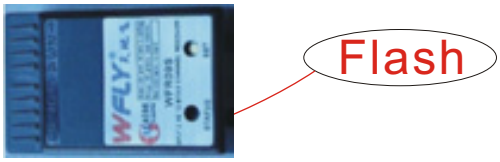
1. Use direction keys to select editing part.
2. Use +/- keys to set fly model at "CHANNEL".
3. Use +/- keys to on/disable"Mix".
4. Use +/- keys to set control switch at "CTRL".
5. Use +/- keys to set the switch position when the function is active.
6. Use +/- keys to set the "Rate". Long press OK is back to default.
7. Press EXIT after setting.

WFLY 2.4G 4096 PCMS Operation instructions

2.4G system can automatically recognize WFLY PCMS and PPM.

1. Code matching

A. Press Set to start the receiver. The orange LED flashes, indicating the receiver waits for the code matching signal.

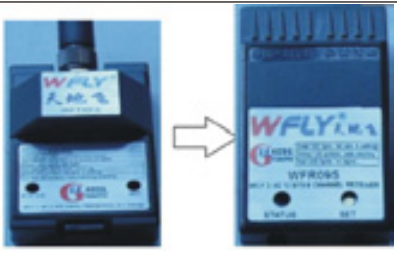


B. Press Power to start the transmitter. Press Power again to enter the code matching function. The orange LED of the receiver lights up. Press Power and hold until the orange LED flashes, indicating the receiver enters the code matching status.

C. If the code matches successfully, the green LED of the transmitter lights up. The LED of the receiver is off.

2. Operation Instructions

The receiver is on. The red LED lights up. Wait for the powering up of the transmitter.



The receiver is on. The green LED of the transmitter lights up. The LED of the receiver is off.

3. Fail Safe Setting

A. Power on receiver.
B. Press Set to start transmitter and hold for 2 seconds. the green LEDflashes, indicating the transmitter enters the code matching status.
C. The Green LED of receiver flashes, the output data of transmitter is the output data of Fail Safe Set receiver
D. Due to the heavy interference or out of normal range, the receiver enters Fail Safe. The Red LED of receiver lights when it is in Fail Safe status.

TO THE PILOT

WFT08S is the first version which includes helicopter and airplane function. Thank you for using the radio systems.
Welcome your valuable advice and we will continue developing the radio.

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