Language

SYS SETTING
⑬ CONTRAST SETTING
⑭ ENGINEER MODE
⑮ ABOUT
⑯ LANGUAGE

LANGUAGE
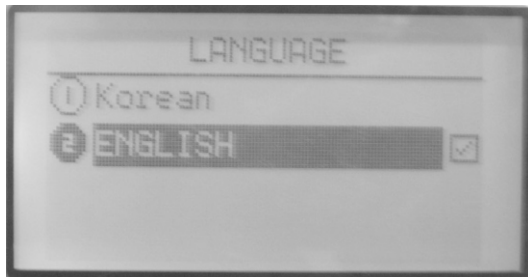① ESPANOL
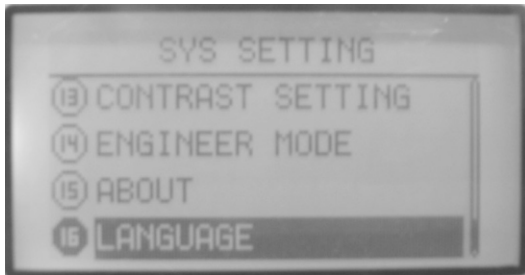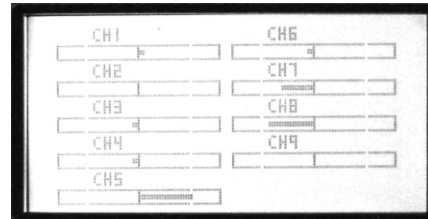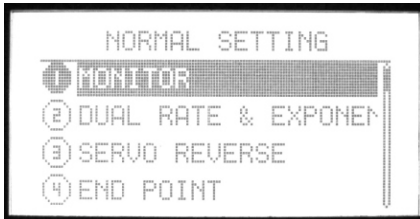② ENGLISH ☑

LANGUAGE
① Korean
② ENGLISH ☑

LANGUAGE
① GERMAN
② ENGLISH ☑

This function is to select the language. The selection is as shown in the picture, if only English or Chinese menu, the function is not exist.

NORMAL SETTING(helicopter)

1. MONITOR

Monitor shows the servos' movement situation.
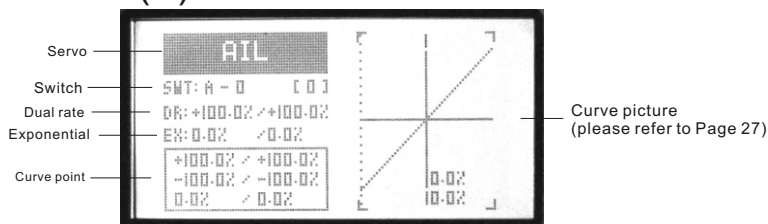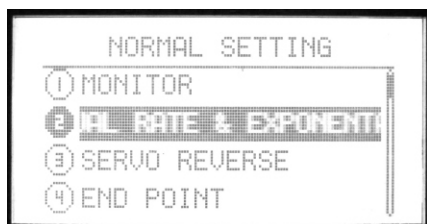In PCMS, this function is to describe the 9 channels output.
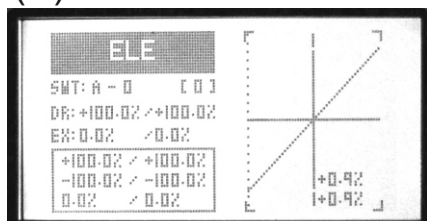In PPM, this function is to describe the first 8 channels output.

Setting Method:

Press menu button, enter system setting, the first function is the monitor.
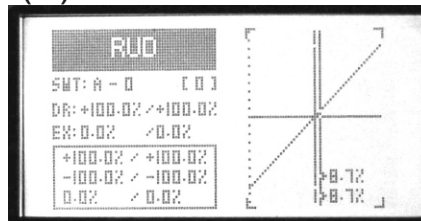
2. DUAL RATE & EXPONENTIAL SETTING

(1). AIL

NORMAL SETTING
① MONITOR
② AL RATE & EXPONENT!
③ SERVO REVERSE
④ END POINT

Servo — AIL
Switch — SWT: A - 0   [0]
Dual rate — DR: +100.0% /+100.0%
Exponential — EX: 0.0%   /0.0%
Curve point — +100.0% / +100.0%
-100.0% / -100.0%   0.0%
0.0%   / 0.0%   0.0%

Curve picture
(please refer to Page 27)

(2). ELE

ELE
SWT: A - 0   [0]
DR: +100.0% /+100.0%
EX: 0.0%   /0.0%
+100.0% / +100.0%
-100.0% / -100.0%   +0.9%
0.0%   / 0.0%   +0.9%

(3). RUD

RUD
SWT: A - 0   [0]
DR: +100.0% /+100.0%
EX: 0.0%   /0.0%
+100.0% / +100.0%
-100.0% / -100.0%   +8.7%
0.0%   / 0.0%   +8.7%

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 rudder are selectable. Press +/- buttons to select channel, OK button to finish setting.
2. Set the switch and its position(0,1,2)
   Press direction button to select "SWT", edit it. +/- buttons can select function switch(A-F).
   After selecting the function switch, press right direction button to enter the switch position setting, use +/- buttons to set.
3. Set dual rate
   Press direction button to select "D/R", edit it. Edit one or two parameter.
   +/- buttons can increase or decrease the value.
   Press the OK button is to back default.
4. Set exponential
   Press direction button to select "EX". Exponential can adjust aileron, throttle and rudder sensitivity as the stick at the middle.
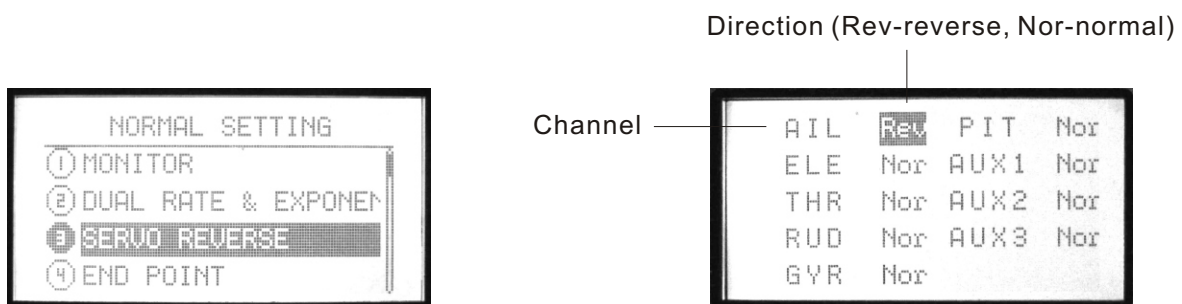5. Set curve point (normal/advanced)
   The box under "EX" shows the curve points.
   Select "Curve setting" in More setting function list.
   Please refer to Page 27 for detail curve setting.
6. Press EXIT after all the values are finished setting.

3. SERVO REVERSE

Direction (Rev-reverse, Nor-normal)

```
  NORMAL SETTING
① MONITOR
② DUAL RATE & EXPONEN
③ SERVO REVERSE
④ END POINT
```

Channel

```
AIL   Rev   PIT    Nor
ELE   Nor   AUX1   Nor
THR   Nor   AUX2   Nor
RUD   Nor   AUX3   Nor
GYR   Nor
```

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

Setting Method:

Use up/down button to select **Servo reverse**, OK button is to enter editing.

Steps:

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

4. END POINT

Channel   Side   Value

```
NORMAL SETTING
① MONITOR
② DUAL RATE & EXPONEN
③ SERVO REVERSE
④ END POINT
```
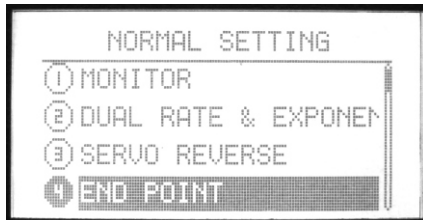
```
AIL    L 100.0%   R 100.0%
ELE    D 100.0%   U 100.0%
THR    L 100.0%   H 100.0%
RUD    L 100.0%   R 100.0%
GYR    L 100.0%   H 100.0%
```

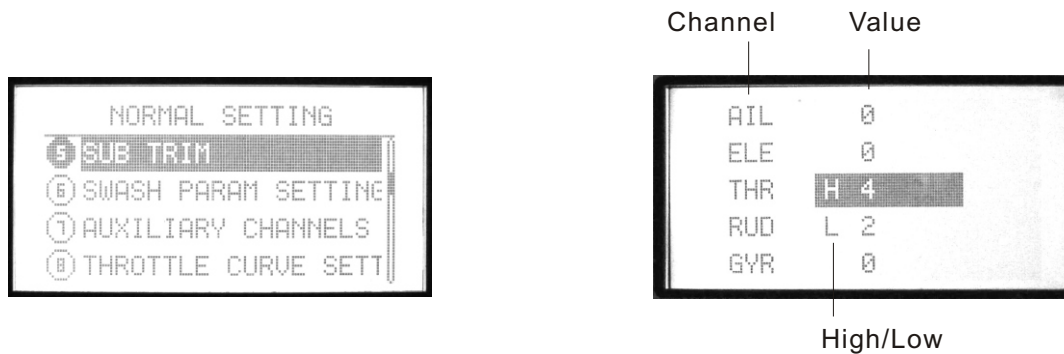It is to adjust the end of individual servo's travel. The range is from 0% to 120%.

Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button or OK button to set the travel value. Press OK for a while backs to default.
3. Press EXIT after setting.

5. SUB TRIM

Channel   Value

NORMAL SETTING

⑤ SUB TRIM
⑥ SWASH PARAM SETTING
⑦ AUXILIARY CHANNELS
⑧ THROTTLE CURVE SETT

AIL   0
ELE   0
THR   H 4
RUD   L 2
GYR   0

High/Low

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.
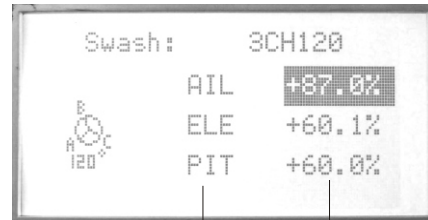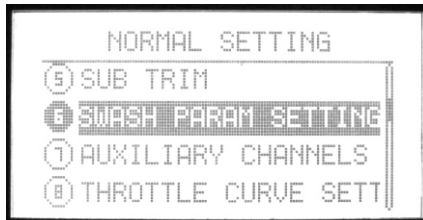
Setting Method:

Use up or down button to select Sub trim, OK button is to enter editing.

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button or OK button to set the trim value. Press OK for a while backs to default.
3. Press EXIT after setting.

6. SWASH PARAM SETTING

```
NORMAL SETTING
⑤SUB TRIM
⑥SWASH PARAM SETTING
⑦AUXILIARY CHANNELS
⑧THROTTLE CURVE SETT
```

```
Swash:      3CH120
          AIL   +87.0%
          ELE   +60.1%
          PIT   +60.0%
```

Effection direction   Value

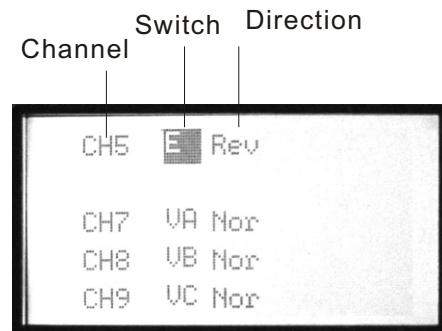This function is to adjust the aileron, elevator and pitch travel range of swash mixing mode.

Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to set the travel. Press OK button for a while is to back default(60%).
3. Press EXIT after setting.

7. AUXILIARY CHANNELS SETTING

Channel   Switch   Direction

```
     NORMAL SETTING
(5) SUB TRIM
(6) SWASH PARAM SETTING
(7) XILIARY CHANNELS S
(8) THROTTLE CURVE SETT
```

```
   CH5    E  Rev

   CH7    VA Nor
   CH8    VB Nor
   CH9    VC Nor
```

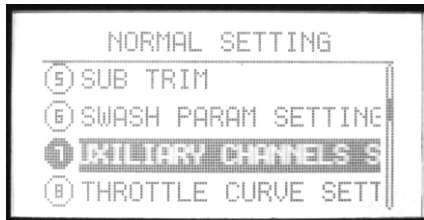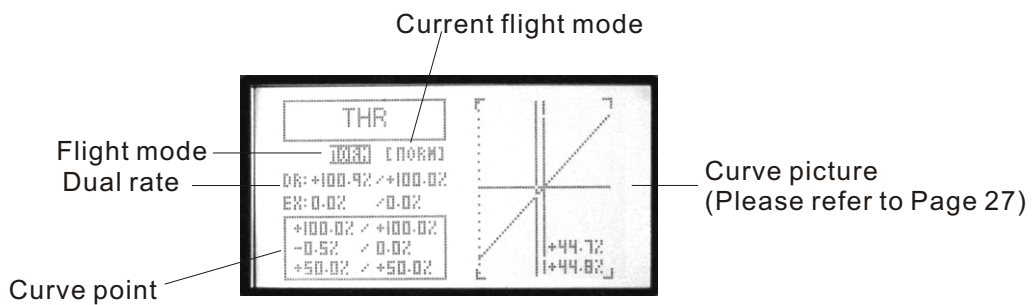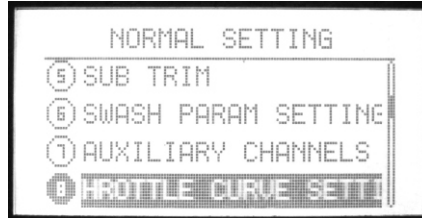This function is for channel 5 to channel 9 function setting.

Setting Method:

Use up or down button to select Swash param setting, OK button is to enter editing.

Steps:

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

8. THROTTLE CURVE SETTING

```
        NORMAL SETTING
  (5) SUB TRIM
  (6) SWASH PARAM SETTING
  (7) AUXILIARY CHANNELS
  (8) THROTTLE CURVE SETT
```

Current flight mode

```
        THR
      NORM [NORM]
  DR:+100.9%/+100.0%
  EX:0.0%   /0.0%
  +100.0% / +100.0%
  -0.5%   / 0.0%
  +50.0% / +50.0%        +44.7%
                        +44.8%
```

Flight mode
Dual rate

Curve picture
(Please refer to Page 27)

Curve point

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.
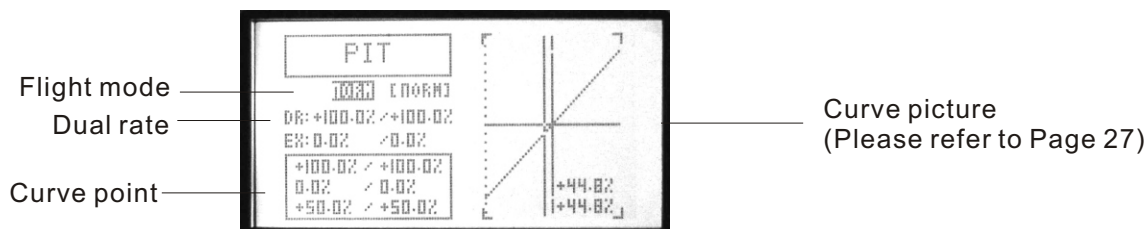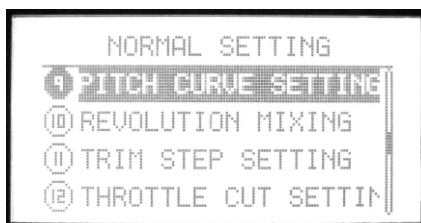
Setting Method:

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

Steps:

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

2. Set Dual rate
   Use direction button to select "D/R" and edit (one or two values can be set separately
   or together). Press +/- button for seconds can increase or delete the value. Press OK button for seconds is to back default(60%).

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 27.

4. Press EXIT after setting.

9. PITCH CURVE SETTING

```
       NORMAL SETTING
 ① PITCH CURVE SETTING
 ⑩ REVOLUTION MIXING
 ⑪ TRIM STEP SETTING
 ⑫ THROTTLE CUT SETTIN
```

Flight mode ——
Dual rate ——
Curve point ——

```
         PIT
      NORM [NORM]
 DR:+100.0% /+100.0%
 EX:0.0%    /0.0%
 +100.0% / +100.0%
 0.0%    / 0.0%
 +50.0%  / +50.0%    +44.8%
                     +44.8%
```

—— Curve picture
(Please refer to Page 27)

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.
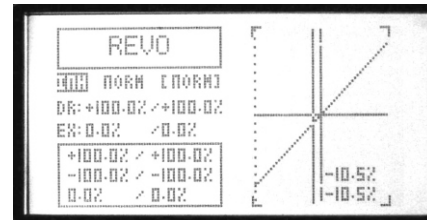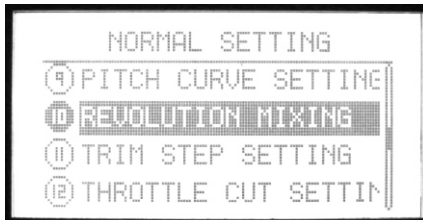
Setting Method:

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

Steps:

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

2. Set Dual rate
   Use direction button to select "D/R" and edit (one or two values can be set separately
   or together). Press +/- button for seconds can increase or delete the value. Press OK button for seconds is to back default(60%).

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 27.

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.
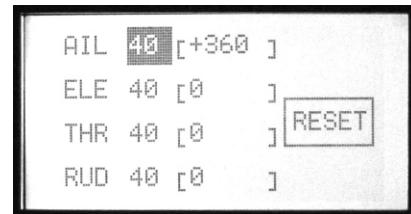
Setting Method:

Use up/down button to select **Revolution mixing**, OK button is to enter editing.

Steps:

1. Flight(NORM IDLE1 IDLE2 IDLE3)
   Use direction buttons to select editing part. Use +/- button to select one curve.
2. Set Dual rate
   Use direction button to select "D/R" and edit (one or two values can be set separately or together). Press +/- button for seconds can increase or delete the value. Press OK button for seconds is to back default(60%).
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 27.
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 1 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.
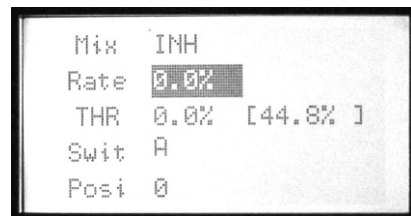
Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to adjust the size of the step,
3. Repeat as desired for other channels.
3. Press EXIT after setting.

12. THROTTLE CUT SETTING

```
      NORMAL SETTING
 (9) PITCH CURVE SETTING
 (10) REVOLUTION MIXING
 (11) TRIM STEP SETTING
 (12) THROTTLE CUT SETTIN
```

```
 Mix  INH
 Rate 0.0%
 THR  0.0%  [44.8% ]
 Swit A
 Posi 0
```

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.
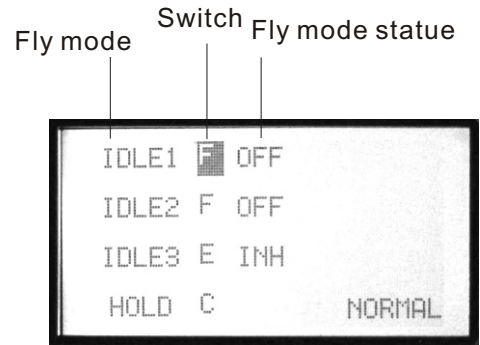
Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to turn on/off throttle cut function.
3. Use +/- button to set the throttle rate and trim (range is between +45% to -45%).
4. Use +/- button to set the position.
5. Press EXIT after setting.

13. FLY MODEL SWITCH

Fly mode   Switch Fly mode statue

```
NORMAL SETTING
⑬ FLY MODEL SWITCH
⑭ THROTTLE HOLDING SE
⑮ FAIL SAFE
⑯ TIMER
```

```
IDLE1  F  OFF
IDLE2  F  OFF
IDLE3  E  INH
HOLD   C      NORMAL
```

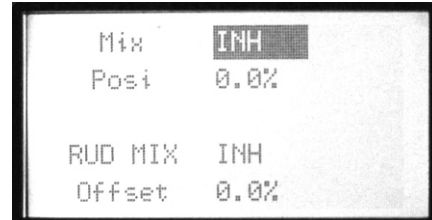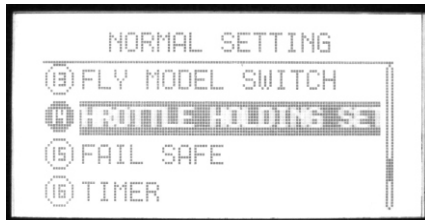This function is to select the flight mode.

Setting Method:

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

Steps:
1. Use direction buttons to select editing part.
2. Use +/- button to set every fly model.
3. Use +/- button to set fly model ON/OFF position.
4. Press EXIT after setting.

14. THROTTLE HOLDING SETTING

```
   NORMAL SETTING
⑬ FLY MODEL SWITCH
⑭ THROTTLE HOLDING SE
⑮ FAIL SAFE
⑯ TIMER
```

```
   Mix      INH
   Posi     0.0%

RUD MIX     INH
Offset      0.0%
```

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).
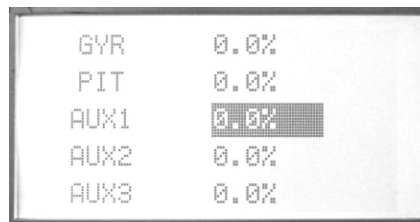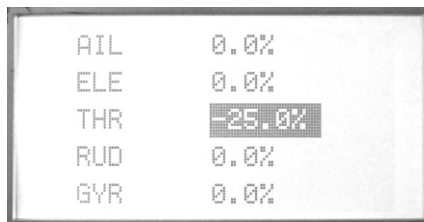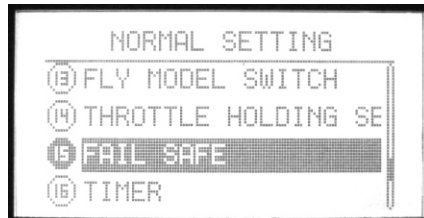This function switch can be found in "**Fly model switch**".

Setting Method:

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

Steps:

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

15. FAIL SAFE

```
        NORMAL SETTING
(13) FLY MODEL SWITCH
(14) THROTTLE HOLDING SE
(15) FAIL SAFE
(16) TIMER
```

```
AIL     0.0%          GYR     0.0%
ELE     0.0%          PIT     0.0%
THR    25.0%          AUX1    0.0%
RUD     0.0%          AUX2    0.0%
GYR     0.0%          AUX3    0.0%
```

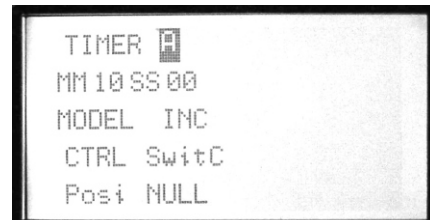This function is to set responses in case of loss of signal or low RX battery.

Setting Method:

Use up/down button to select **Fail safe**, OK button is to enter editing.

Steps:

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

16. TIMER

```
  NORMAL SETTING
⑬ FLY MODEL SWITCH
⑭ THROTTLE HOLDING SE
⑮ FAIL SAFE
⑯ TIMER
```

```
TIMER A
MM10SS00
MODEL  INC
CTRL  SwitC
Posi  NULL
```

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 button to select **TIMER**, OK button is to enter editing.

Steps:

1. Use direction buttons to select editing part.
2. Set timer. WFT09S can set 3 timers (A, B, C).
3. Use +/- button to set MM..SS... Press OK button for seconds can back to default.
4. Use +/- button to set model.
5. Use +/- button to set control(CTRL).
6. Use +/- button to set the position which can active this function.
7. Press EXIT after setting.

17. ADVANCED

```
        NORMAL SETTING
 (15) FAIL SAFE
 (16) TIMER
 (17) ADVANCED
 (18) LANGUAGE
```

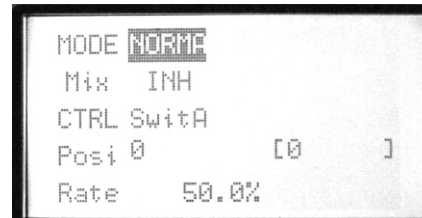To realize an idea fly, there are 21 advanced function in ADVANCED.

Setting Method:

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

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).
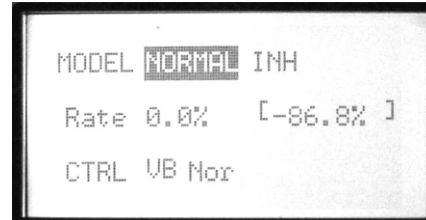
Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to set fly model at "MODE".
3. Use +/- button to active or inhibit "Mix". Press OK button for seconds can back
    default.
4. Use +/- button to set control switch at "CTRL".
5. Use +/- button to set the switch position when the function is active.
6. Use +/- button to set the "Rate". Press OK button for seconds 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.
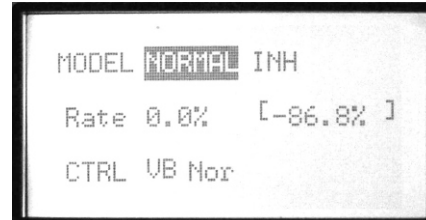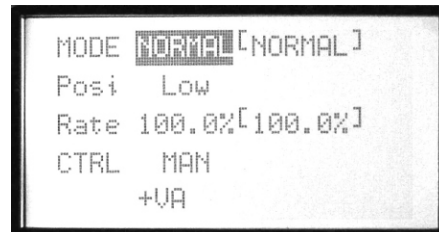
Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to select "MODEL".
   Use +/- button to active or inhibit this function.
3. Use +/- button to set "Rate". Press OK button for seconds can back default.
4. Use +/- button to set control switch.
5. Press EXIT after setting.

(3). PITCH HOVERING SETTING

```
        ADVANCED
① GYRO SENS SETTING
② THROTTLE HOVERING S
❸ CH HOVERING SETTING
④ HI/LO PIT SETTING
```

```
MODEL NORMAL INH

Rate 0.0%   [-86.8%]

CTRL VB Nor
```

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 button to select **Pitch hovering setting**, OK button is to enter editing.

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to select "MODEL".
   Use +/- button to active or inhibit this function.
3. Use +/- button to set "Rate". Press OK button for seconds can back default.
4. Use +/- button 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/VR/VL 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 button to select **HI/LO PIT setting**, OK button is to enter editing.

Steps:

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

(5). TRIM OFFSET SETTING
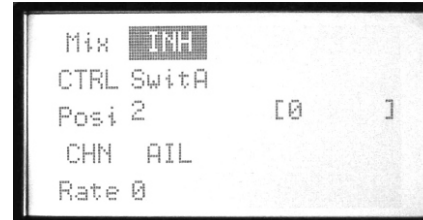
This function is to adjust the servo trim at hovering state. This function is used to automatically change the trim of a helicopter, for example, when transitioned from hover to flying at high speed. A clockwise-rotation rotor helicopter tends to drift to the right at high speed, so an aileron offset 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.
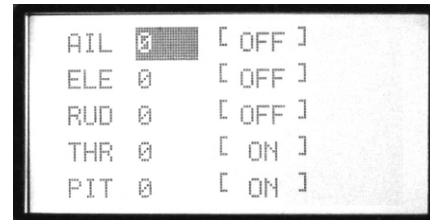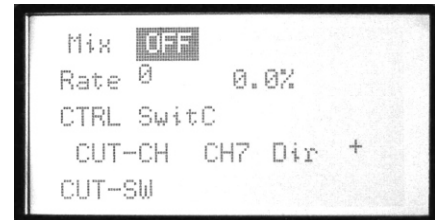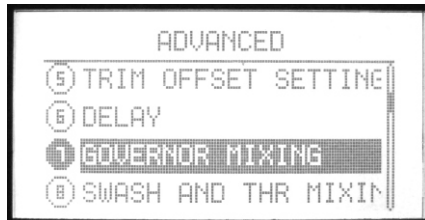
Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to active or inhibit "Mix".
3. Use +/- button to set the control switch "CTRL".
4. Use +/- button to set the control switch position "Pos".
5. Use +/- button to set the channel, eg: ailerion, elevator, etc.
6. Use +/- button to set the mix rate "Rate". Press OK button for seconds can back default.
7. Press EXIT after setting.

(6). DELAY

```
        ADVANCED
  (5)TRIM OFFSET SETTING
  (6)DELAY
  (7)GOVERNOR MIXING
  (8)SWASH AND THR MIXIN
```

```
  AIL  0    [ OFF ]
  ELE  0    [ OFF ]
  RUD  0    [ OFF ]
  THR  0    [ ON ]
  PIT  0    [ ON ]
```

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 button to select **DELAY**, OK button is to enter editing.

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to active or inhibit this function. Press OK button for seconds can back default.
3. Press EXIT after setting.

(7). GOVERNOR MIXING

```
          ADVANCED
⑤ TRIM OFFSET SETTING
⑥ DELAY
❼ GOVERNOR MIXING
⑧ SWASH AND THR MIXIN
```

```
Mix  OFF
Rate 0      0.0%
CTRL SwitC
 CUT-CH  CH7 Dir  +
CUT-SW
```

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 button to select **Governor mixing**, OK button is to enter editing.

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to active or inhibit "Mix".
3. Use +/- button to set the mix rate "Rate". Press OK button for seconds can back default.
4. Use +/- button to set the control switch "CTRL".
5. Use +/- button to set the channel and its direction.
6. Press EXIT after setting.

(8). SWASH AND THR MIXING
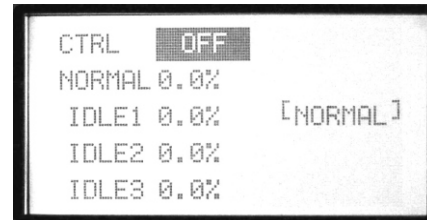
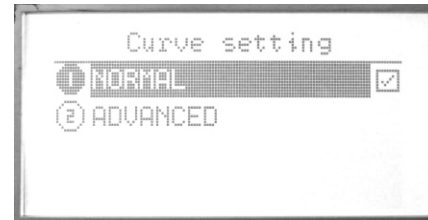This function is to adjust throttle and pitch mix function.

Setting Method:

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

Steps:

1. Use direction buttons to select editing part.
2. Use +/- button to active or inhibit "Mix".
3. Press EXIT after setting.

(9). CURVE SETTING

```
        ADVANCED
  ① CURVE SETTING
  ⑩ PROG.NOR.MIX1
  ⑪ PROG.NOR.MIX2
  ⑫ PROG.NOR.MIX3
```

```
      Curve setting
  ① NORMAL              ☑
  ② ADVANCED
```

There are 2 kinds of setting, Normal and Advanced.

1. Setting introduction
Curve setting is one of the functions of WFT09S. We will make detail description here. You can refer to this detail description for the other functions which relates 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 7points value.
Advanced setting: you can add or delete the curve point.
Advanced curve can be added at most 10 points, at least 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 direction button to select the editing point. The curve point is marked by a dashed line.
2. Use +/- button to set the value. Press OK button for a while can back to default. You can set the 7 points.
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. Press +/- button for seconds can add/delete curve point. It can at most add to 10 points and delete to 2 points.

When selecting one point, use left/right button to choose the point you want to edit, press OK button to enter editing.

Active the cursor, use up/down direction button to set the left value in the pane, use left/right direction button to set the right value in the pane.

The black cursor is the editing part, which is marked by a dashed line.

3. The operation method Of incresing、 decreasing、 moving the curve points to WFT09S

(1)Increase the curve point

Open the transmitter entre into No,17 advanced setting→confirm→select No.9 curve setting→ select No.2:Advanced→confirm→exit→exit→select No.8 throttle curve setting→confirm → At this point we can see a row of number in bottom left corner inside the box (that is, two 0.0%) are black shadow → at this time press confirmation button, the black shadow, this is the cursor (we will introduce it with cursor as follows) will coruscate→ Hold down the (+) key until hear two beeps（At this time the position 0.0% has increased one curve point, which means that the position 0.0% have two curve points, of course, there is no need to have two curve points in one position, so the introduction of how to move curve point will be shown later）→ Press confirmation button to let cursor stop blinking →Press the right key to move the curve point to +16.7% → Press confirmation button, the cursor blink → Hold down the (+) key until hear two beeps（At this time the position 0.0% has increased one curve point）→ That means there are two points have been increased, then about the third curve point, put the cursor in +33.3% position with the same operation in accordance with the above can be, and there are seven curves of the original design point, a maximum of can be set to 10 curve points, that is, 3 points can be increased.
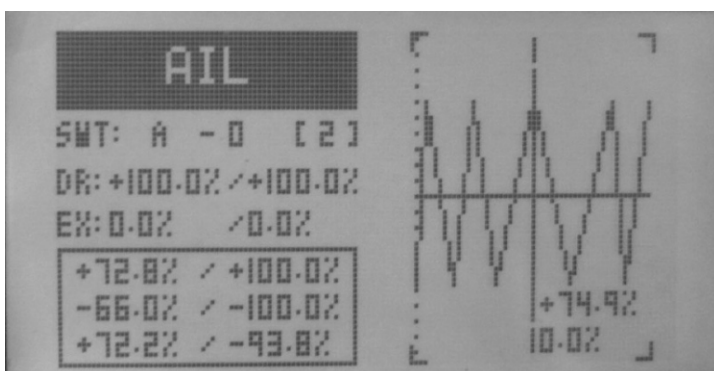
(2)Move curve point operations are as follows

When you want to adjust the data of curve point, such as you have increased one curve point in the 0.0% position, if you want to make the increased point to move to +5.5% position, please select the 0.0% this curve point, that means in the throttle curve settings menu make the cursor in 0.0% position, → Press confirmation button to make the cursor blink → Press the right button to move the right of the data in the cursor blinking area to transfer to +5.5% → confirmation

Of course, not just in one place there are two curves of points should be adjusted then moving curve point, whatever you want to move the curve point can be adjusted in accordance with this method. Another point on the operation for reduction of curve point is to use(-)key stead of (+) key, press OK button, it is simple。

Note: Here is the explanation to the two curves of points in a position, when the two curves points in one position, the eyes can't see, but only when the cursor stops blinking, when
you press the right or left button, actually, the numbel below the cursor haven't any changes, it means the broken line of the curve point also haven't any changes, that means there are two curve points in the position now.

The picture can show there are ten curve points.

(10)-(16). PROG. NOR. MIX1-7

```
       ADVANCED
 ⑨ CURVE SETTING
 ⑩ PROG.NOR.MIX1
 ⑪ PROG.NOR.MIX2
 ⑫ PROG.NOR.MIX3
```

```
 Mix  AIL → RUD
           INH
 LINK  OFF     TRIM  OFF
 CTRL  SwitD
 Posi  NULL              ↓
```

The mix program is to adjust the flying pose. There are 7 series programs with the same setting method. You can set one mix and one mix with another one mix.

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

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

(17)-(20). PROG. CUR. MIX1-4

```
        More setting
 ⑰ PROG.CUR.MIX1
 ⑱ PROG.CUR.MIX2
 ⑲ PROG.CUR.MIX3
 ⑳ PROG.CUR.MIX4
```

```
 Mix  RUD → AIL
          INH
 LINK OFF      TRIM OFF
 CTRL SwitA
 Posi NULL            ↓
```

There are 4 curve mix program, the curve is made up by 2 to 10 point.

Setting Method:

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

Steps:

1. Use direction buttons to select editing part. Set any two channels mix.
2. Use +/- button to active or inhibit "Mix".
3. Use +/- button to active or inhibit "Link" and "TRIM".
4. Use +/- button to active or inhibit "CTRL".
5. Use +/- button to set the control switch position.
6. Set the curve point.(Normal/Advanced). Please refer to page 27.
7. Press EXIT after setting.

(21). THROTTLE NEEDLE MIXING
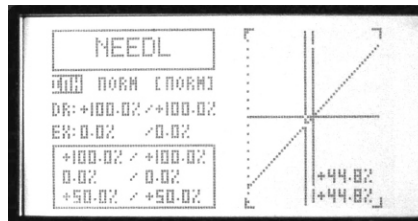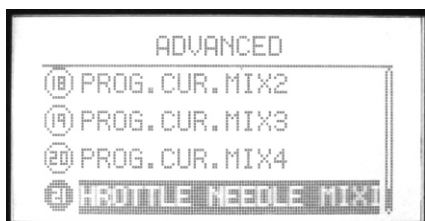
Throttle needle is a pre-programmed mix that automatically moves an in-flight mixture servo in response to the Throttle Stick imputs for perfect engine tuning at all throttle settings. This function is particularly popular with contest pilots who fly in a large variety of locations, needing regular engine 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 button to select **Throttle needle mixing**, OK button is to enter editing.
Steps:
1. Use +/- button to active or inhibit this function.
2. Use +/- button to select one curve. There are 3 curves, NORM, IDLE1, IDLE2, IDLE3.
3. Use direction button to select "D/R"
   Edit one or two parameter.
   +/- buttons can increase or decrease the value.
   Press the OK button is to back default.
4. Use direction button to select "EX"
   Edit one or two parameter.
   +/- buttons can increase or decrease the value.
   Press the OK button is to back 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 27.

(22). Code matching
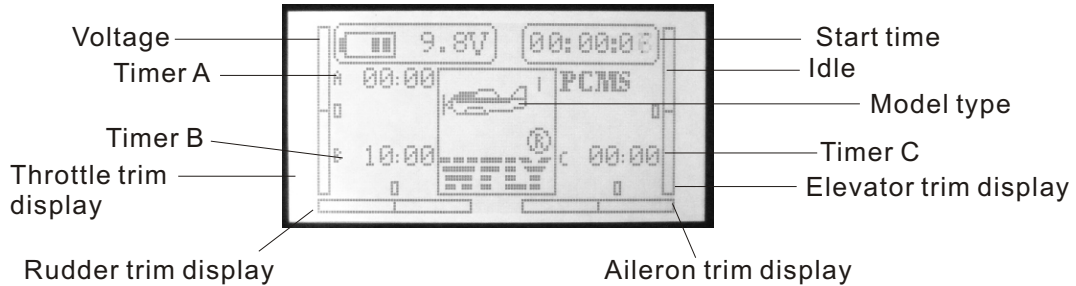
Please refer to page 16.

AIRPLANE

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

SYS SETTING
① MODEL SELECTTING
② MODEL NAME
③ MODEL SETTING
④ ATL

MODEL SETTING
① HELI
② ACRO ☑
③ GLID
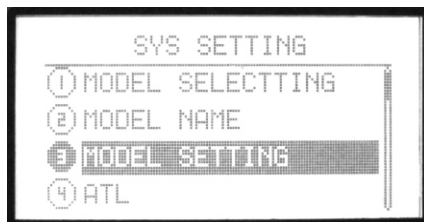
Editing mode and function introduction

1. Opening Screen

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

Voltage — | — Start time
Timer A — | — Idle
— Model type
Timer B — | — Timer C
Throttle trim display — | — Elevator trim display

Rudder trim display — — Aileron trim display

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

— Model name
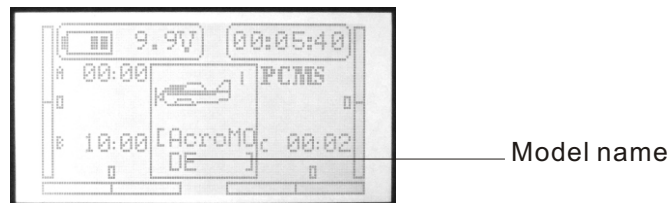
2. Menu Screen

There are "NORMAL SETTING", "SYS SETTING", "ADVANCED".
A. NORMAL SETTING
Turn on the transmitter, press the menu button, the LCD displays as follows.

NORMAL SETTING
① MONITOR
② DUAL RATE & EXPONEN
③ SERVO REVERSE
④ END POINT

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

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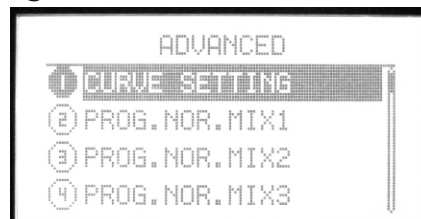2. Press OK button to enter submenu. The submenu function is in the next chapter.
3. Press EXIT button to back previous menu and the data is set automatically.

B. SYS SETTING

Press Menu and turn on the power switch, the LCD displays as follows.
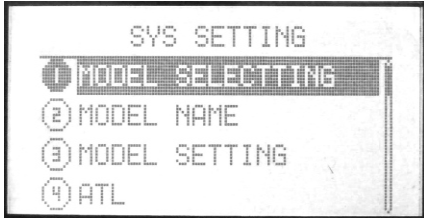
Setting method:

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

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

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

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

C. ADVANCED

1. Enter "NORMAL SETTING", use right direction button to turn page, select "ADVANCED".
Press OK button to enter.

Setting method:

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

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

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

SYS SETTING

1.MODEL SELECTTING

```
SYS SETTING
① MODEL SELECTTING
② MODEL NAME
③ MODEL SETTING
④ ATL
```

```
MODEL SELECTTING

MODEL1 [AcroMODE] PCMS
```
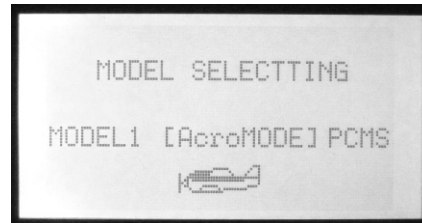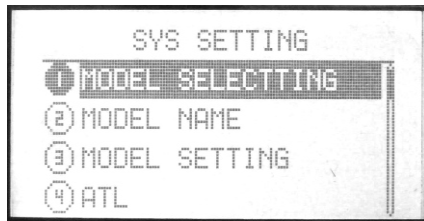
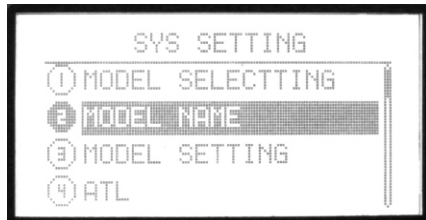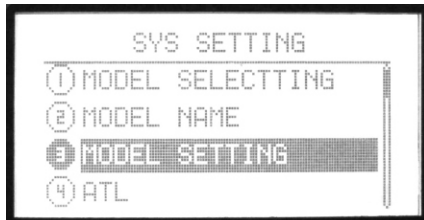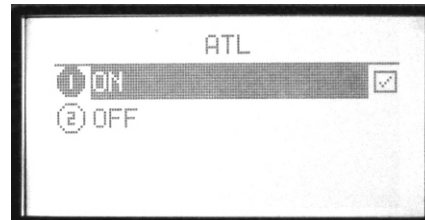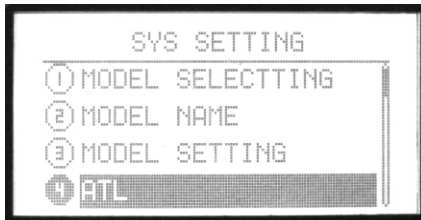There are 85 airplane models. You can select any one to set.

Setting Method:

Press Menu and turn on the transmitter to enter "SYS SETTING" Use up/down button to select "**MODEL SELECTING**", OK button is to enter editing.

Steps:

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

2. MODEL NAME

```
        SYS SETTING
①MODEL SELECTTING
②MODEL NAME
③MODEL SETTING
④ATL
```

```
MODEL1 [AcroMODE] PCMS

            _\/0123
         456789AB
         CDEFGHIJ
```

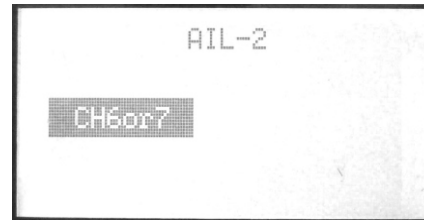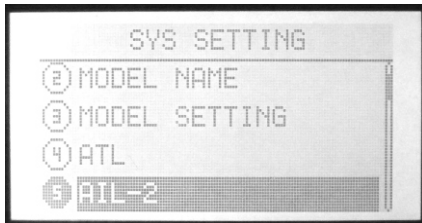This function is to make new names by users.

Setting Method:

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

Steps:

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

3. MODEL SETTING

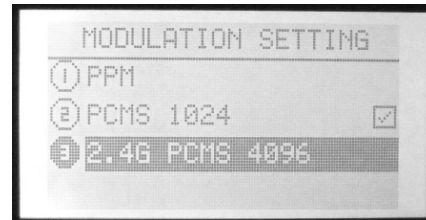You can select the model type. There are three type: HELI, ACRO, GLID.

Setting Method:

Press Menu and turn on the transmitter to enter "SYS SETTING" Use up/down button to select "**MODEL SETTING**", OK button is to enter editing.

Steps:

1. Use up/down direction button to select the model type.
2. Press OK button to confirm.
3. 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 button to select "**ATL**", OK button is to enter editing.

Steps:

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

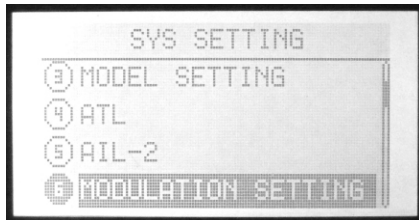## 5. AIL-2

AIL-2 is another channel for aileron.

Setting Method:

Press Menu and turn on the transmitter to enter "SYS SETTING"
Use up/down button to select "AIL-2", OK button
is to enter editing.

Steps:

1. Use direction buttons to select.
2. Press OK button to confirm.
3. Press EXIT after setting.

6. MODULATION SETTING

Because of the different receiver modulation PPM/PCMS1024/ 2.4G PCMS4096, 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 button to select "**Modulation setting**", OK button is to enter editing.
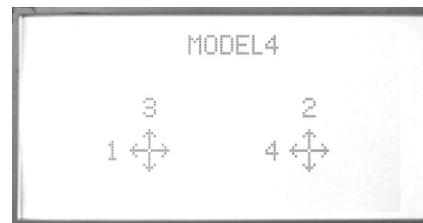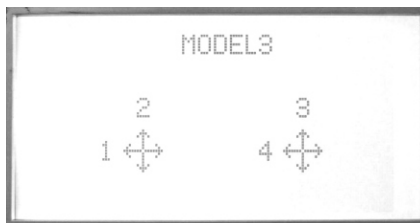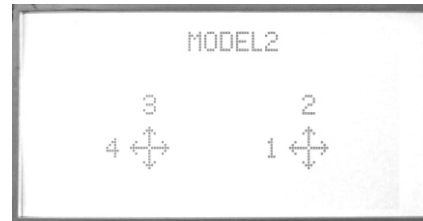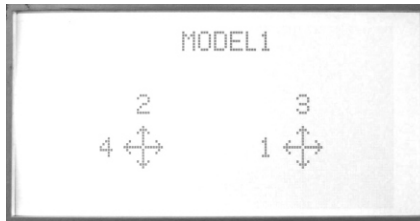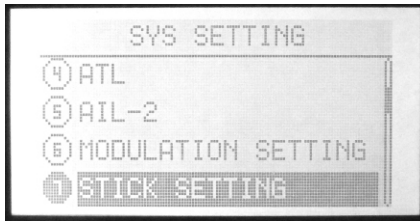
Steps:

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

7.RF setting
   Please refer to page 27.

8.STICK SETTING

SYS SETTING
④ ATL
⑤ AIL-2
⑥ MODULATION SETTING
● STICK SETTING

MODEL1

MODEL2

MODEL3

MODEL4

There are 4 kinds of model, you can use up/down direction button to select the model you preferred.
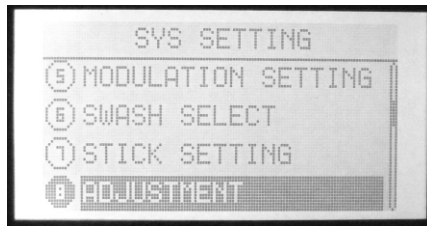
1-aileron
2-elevator
3-throttle
4-rudder

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

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

9.Adjustment

This function is to set the central, high and low point of four sticks when users changed the mode I or II by themselves.

Setting Method:

Press Menu and turn on the transmitter to enter "SYS SETTING" Use up/down button to select "**ADJUSTMENT**", OK button is to enter editing.

Steps:

1. Use direction button to select the editing part. Take the aileron adjustment for example.

2. Make the stick in the mid-point location. Press OK button to select any stick you want to adjust.

3. Select into the Figure 2, when the "center" highlights, press the "ok" button directly (the mid-point has been adjusted), then enter the high adjust.

4. The "high" highlights, take the stick gently in the right side (throttle /elevator in the top, aileron / rudder in the right),press "ok" button (the max adjust is OK), enter the low adjustment.

5.The "low" highlights, take the stick gently in the left side (throttle /elevator in the bottom, aileron / rudder in the left),press "ok" button (the min adjust is OK).

6. Press OK or RESET to confirm the record or reset.

7. If the record is wrong, press OK will back to step 3.