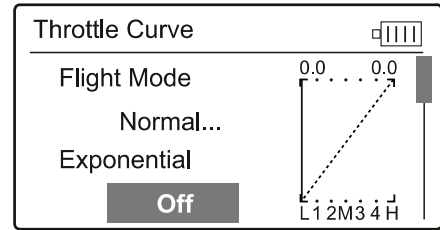


(2) Exponential setting

Press UP or DN in the “Throttle Curve” setting interface to select “Exponential” setting, Press R or L to set “Off” or “On”. The throttle curve will be changed smoothly if select On. Select Off if not need then the throttle curve will be shown as a line.

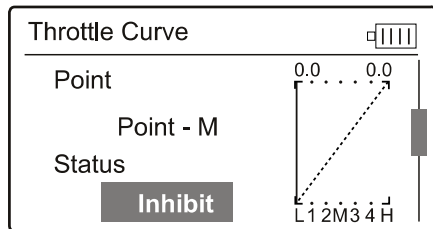
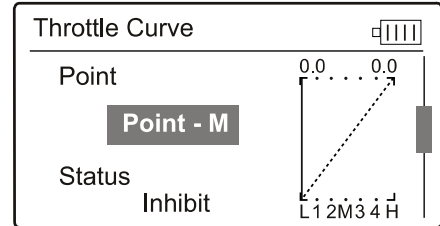
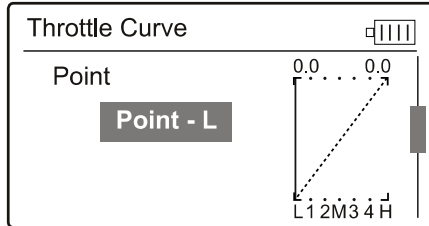


(3) Curve setting

It includes two items: Point and Output.

(3.1) Point setting

Press UP or DN in Throttle Curve interface to select Points setting. Press R to expand a list including seven points: “Point-L”, “Point-1”, “Point-2”, “Point-M”, “Point-3”, “Point-4” and “Point-H”. Press R or L to select the point you want to adjust.



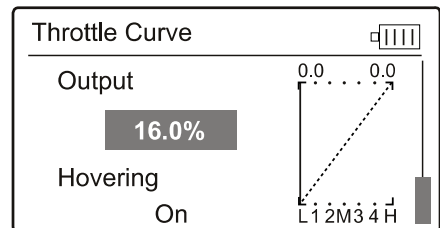
(3.2) Status setting

Press UP or DN to move navigation mark to Status and press R or L to choose Inhibit or Activate. Select Inhibit if keeping the current value(the default setting is Inhibit). Select Active for changing the above points' value.

Note: After select point -L or Point-H, the status setting won't be display.

(3.3) Output adjustment

An expansion list of Output and Hovering items will be shown after activating the Status. Press UP or DN to move navigation mark to select Output item. And press R or L to increase or decrease the amount of selected point with a minimum of 0.0% and a maximum of 100.0%.



(3.4) Hovering Adjustment

After the setting of (3.3) Output adjustment is finished, it's necessary to set the item of Hovering as On and all the selected points of the throttle curve should be activated if using throttle trim in flight is a must. The five points of 1-2,M,3-4 in the curve will be paralleled or down with the changing of throttle trim. So the throttle curve will be paralleled up or down with the movement of the five points.

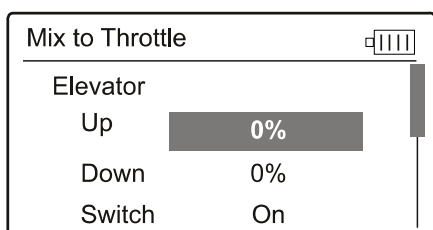
Press EXT to exit after finish the setting.

3.7 Mix to throttle

This Function can keep the main rotor blades running at the certain revolution caused by the changed load when operation the aileron servo, elevator servo and rudder servo. Generally, it's not advised to use the function.

Setting method:

Press ENT to enter Main menu. Press UP or DN to move navigation mark to select Function Menu. Press ENT to enter function menu. Press UP or DN to select Mix to Throttle. And press ENT to enter Mix to throttle interface as in below illustration.



There are three settings: elevator, aileron and rudder. If the item of Channel is shown as Elevator, there are UP, DOWN and Switch in the interface. If the item of Channel is Aileron or Rudder, the contents in the said interface will be changed into Left, Right and Switch. Take the example of Channel set as Elevator to illustrate the setting method.

(1) Up setting

In the Mix to throttle interface, press UP or DN to move the navigation mark to select UP item. Press R or L to increase or decrease the mix amount when moving the throttle stick upwards. The bigger the amount is, the bigger the mix to throttle will be. Change the amount from “+” to “-” for the throttle mix direction Reversing. The adjustable range is ±125%.

(2) Down setting

In the interface of Mix to Throttle, press UP or DN to move the navigation mark to select Down item. Press R or L to increase or decrease, respectively, the mix amount when moving the throttle stick downwards. The bigger the amount is, the bigger the mix to throttle will become. Change the amount from “+” to “-” for the throttle mix direction Reversing. The adjustable range is ±125%.

(3) Switch Selection

In the interface of Mix to Throttle, press UP or DN to move navigation mark to select Switch item. Press ENT, an expansion list of Always on, Normal Mode, Stunt 1, Stunt 2, Stunt 3, Stunt 4 and Gear is shown. After setting finished, Aileron or Rudder can be set via pressing DN.

(4) The setting of Aileron or Rudder, and Mix to Throttle can be referred to Elevator setting. Press EXT after setting finished.

Note:

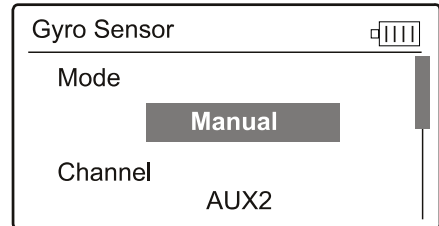
- (1) Before the flight, please confirm: All above amount of mix to throttle is proper enough to offer a good flight. And make sure all the actions in different flight mode are normal.
- (2) The function is in spare when governor is working.

3.8 Gyro Sensor

This function supply the GYRO sensitivity adjustment, both through switch ‘D/R’ to Manual and “Flight Mode” Automatic switch different sensitivity.

Setting method:

Press ENT to enter Main menu. Press UP or DN to move navigation mark to select Function Menu. Press ENT to enter function menu. Press UP or DN to select Gyro Sensor. And press ENT to enter Gyro Sensor interface.



(1) Manual Setting

(1.1) Manual Setting

In the Gyro Sensor interface, press UP/DN to choose “mode”project set, press R/L to selectable set (“Manual set” and “Automatic set”).Then choose “Manual” option.

(1.2) Channel

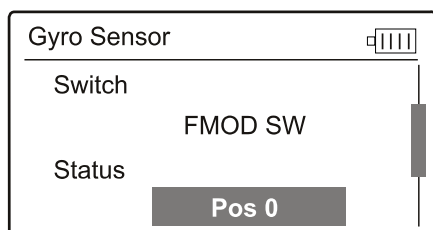
The original channel is “AUX2”, if you want to change to other channels control, you can choose from “Output”set.(refer to “2.10 Output”).

(1.3) Switch choose

In the Gyro Sensor interface, press UP/DN to choose “Switch ”project set, press R/L to selectable sets “FMOD SW”, MIX SW, ELEV D/R, AILE D/R, RUDD D/R,GEAR SW, totally 6 selectable sets.Choose the Manual control switch.

(1.4) Sensitivity Setting

If choose 3 switches,there are “position 0”, “position 1” and “position 2”,then set the sensitivity individually; If choose 2 switches,there are “position 0” and “position 1” , then set the sensitivity individually.



(1.4.1) position 0

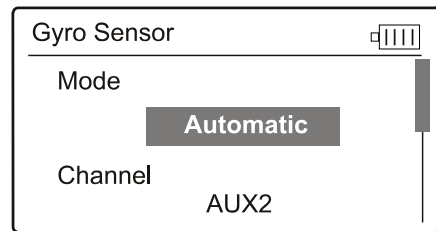
Turn the choosed GYRO Control Switch, make the status display present switch status “position 0” . Press UP or DN to choose “position 0”, press R or L to increase/decrease value individually. If the GYRO have “NOR” mode and “AVCS” mode, when the value lower than 50%, it is “NOR”mode. The lower of the value is, the bigger of the GYRO sensitivity becomes. The factory default value is 50%.

(1.4.2) "Position 1"," Position 2" are the same setting way as above "position 0".

(2) Automatic setting

(2.1) Automatic Setting

In the Gyro Sensor interface, press UP or DN to choose "mode" project set, press R or L to selectable sets ("Manual set" and "Automatic set").Then choose "Automatic" option.



(2.2) Channel

The original channel is "AUX2",if you want to change to other channels control,you can choose from "output"set.(refer to "2.10 output").

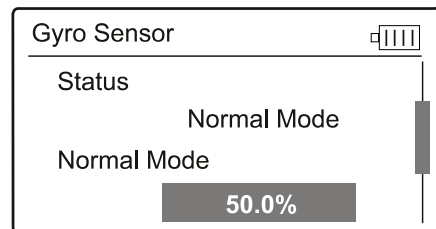
(2.3) Switch: There is no use in the Automatic Setting.

(2.4) Status

Turn the Switch "flight mode"or "Throttle hold",the status set display present flight mode position.There are Normal Mode, Stunt 1, Stunt 2 , Stunt 3 ,Stunt 4, Throttle hold sets. "Throttle hold" need to start that can effect.(refer to "3.5 throttle hold")

(2.4.1) Normal Mode

Press UP or DN to choose "Normal Mode" project set, press R or L can increase or decrease the value individually.If the GYRO have "NOR"mode and "AVCS"mode, when the value is lower than 50%,it is "NOR"mode. the lower of the value is ,the bigger of the GYRO sensitivity becomes. The factory default value is 50%.



(2.4.2) Stunt 1, Stunt 2, Stunt 3, Stunt 4, throttle hold settings refer to "Normal Mode".

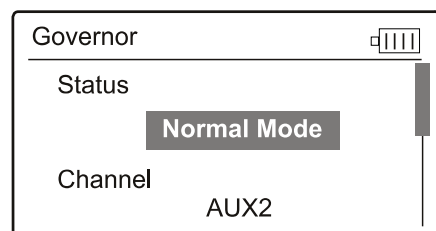
After finishing the set,press EXT to exit.

3.9 Governor

Before setup this function, "Governor" should be set and activated in "output" interface. (Refer to 2.10 Output) It is possible to set Governor control rate in various flight modes seperately. Please setup the Governor for the desired rotation speed. The transmitter display data is only for percentage reference. The real rotation speed refer to Governor.

Setting method:

Press ENT to enter Main Menu; Press UP or DN to move make navigation mark to select functional menu. Press ENT to enter functional menu; Press UP or DN to choose Governor then through the 'ENT' key to the Governor setting interface,which display the status and channels; Press UP or DN can see the Normal Mode, Stunt 1, Stunt 2, Stunt 3, Stunt 4, Throttle Hold and so on .



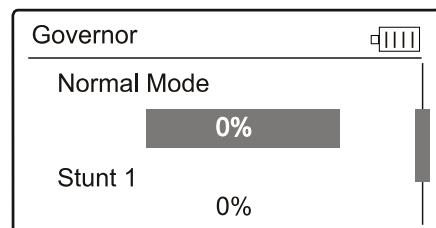
(1) Status

Toggle the Flight Mode or Thottle Stick Lock switch, the status display present flight mode position.There are "Normal Mode", "Stunt 1", "Stunt 2", " Stunt 3", "Stunt 4", "Throttle Hold" and so on."Throttle hold" need to start that can effect.(refer to "3.5 throttle hold")

(2) Channel: displaying in "2.10 output" have set the Channel.(refer to 2.10 Output)

(3) Normal Mode

Press "UP/DN" to make the navigation choose the "Normal Mode"set, press R/L to increase/decrease the value.The factory default value is 0%.

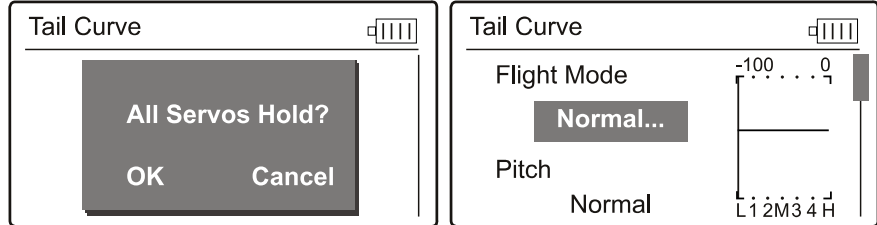


(4) The method to set "Stunt 1","Stunt 2", "Stunt 3", "Stunt 4 ", "Throttle Hold" refer to "Normal Mode".

After the set finished, press EXT to exit.

3.10 Tail Curve

This function is mainly used for amending the reaction torque produced by pitch angle of main rotor blades. In the set flight mode, the mix amount can be automatically switched when moving the flight mode (FMOD) lever. Press ENT to enter the Main Menu; Press UP or DN to make the navigation mark to choose the functional menu; Press UP or DN to choose "Tail Curve", then press ENT, there will be shown an enquiry of "all Servo hold?" select ok for locking the current status of all the Servos, and cancel for unlocking the current status of all the Servos; After finish the choose, press ENT to "Tail Curve" interface. There are current flight status, curve graph and adjustable items.



(1) Flight Mode

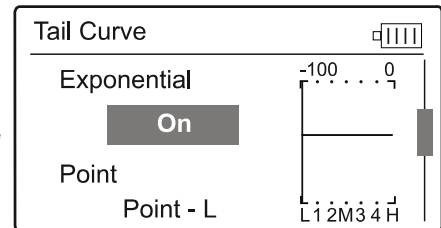
In the "Tail Curve" interface, press UP/DN to make the navigation mark choose "Flight Mode" set. Toggle the flight mode switch and shown the current flight mode. In the set of flight mode can set "pitch", "exponential curve", "curve point setting", and "output" items.

(2) Pitch

Press UP/DN to make the navigation mark choose "Pitch" set, press R/L to choose the two options Normal and Original. Select the desired item.

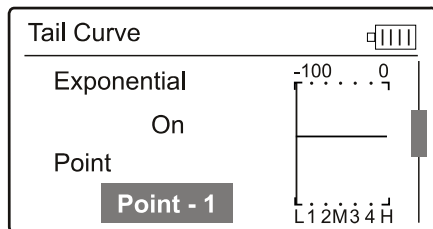
(3) Exponential Curve

Press UP/DN to make the navigation mark choose "Exponential Curve" set, press R/L to choose two options ON and OFF. The curve will be smoothly changed if touching on. Select the desired item.



(4) Curve Point Setting

Press UP/DN to make the navigation mark choose "Curve Point" set.

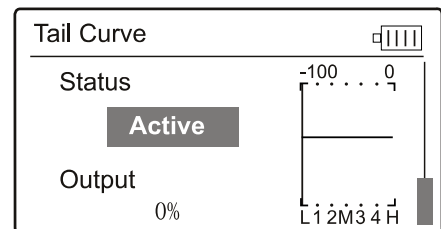


(4.1) Point Selection

Press R/L to set the Curve Point options "point-L", "point-one", "point-2", "point-M", "point-3", "point-4", "point-H", totally seven options; Select the point which you want to adjust.

(4.2) Statuses Setting

Press UP or DN option to choose the State setting after adjusting the date point. Press R or L keys, there are two options of "Inhibit" or "Active" (Choose "point-L" or "point-H", there is no state menu that will be shown). If you don't want to change the date, then choose "Inhibit" (default setting is "Inhibit"). If you want to change the date, then choose "Active", "Output" item will be expanded.



(4.3) Output Setting

Press UP/DN to make the navigation mark choose "output" set, press R to increase point's output; the minimum amount is +100%; press L to decrease point' output amount; the maximum amount is -100%.

(4.4) The methods to set "Stunt 1", "Stunt 2", "Stunt 3", "Stunt 4", "Throttle Hold" refer to "Normal Mode". After finished, press EXT to exit.

Notes: If an AVCS Gyro is used, this function is not necessary.

3.11 Dual Pitch

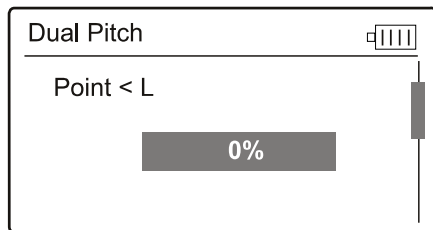
The "Dual pitch" should be activated in "Device output" if want to set this function. Seven-Point adjustment method is allowed to set up all the pitch curves respectively, in each flight mode, which includes Normal flight, Stunt 1, Stunt 2, Stunt 3, Stunt 4, Throttle Curve. "Throttle Curve" should be activated if want to use (refer to "3.5 Throttle Curve", "Stunt 3", "Stunt 4"). The Flight Mode Extra Switch should be activated in "Device Select", refer to 2.9 Device Select.

Setting method:

Press ENT to enter Main Menu, and then press UP or DN to move the navigational mark to select Function Menu. Press ENT to enter the Function Menu and then press UP or DN to select Dual Pitch and press ENT to enter the Dual Pitch interface which will show the setted output channel.



Press DN to select "Point< L"; Press R to increase point output values, the maximum is +100%, Press L to decrease point output values, the minimum is -100%.



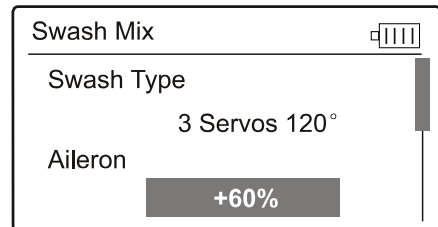
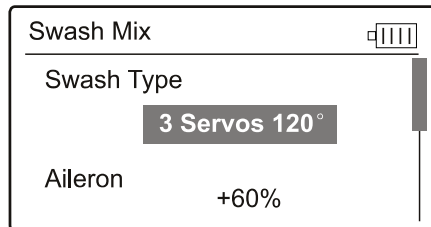
Press DN and then appear "Point-L", "Point-1", "Point-2", "Point-3", "Point-H", "Point>H". "Inhibit" and "Active" can be selected in the following: "Point-L", "Point-1", "Point-2", "Point-3", "Point-H". Press R or L to select "Active" if want to adjust, then press UP or DN to set the values, press R or L to adjust the values (the value is 0% if don't change), "±" (beside the values) means amend direction, the adjustable range is ±100%.

3.12 Swash Mix

This function, which can be executed through flight mode, is used for amending the variation caused by swashplate movement, when the aileron or elevator is working.

Press the ENT to enter Main Menu and then press UP or DN to choose the navigation mark of enter Function Menu. The interface will show the Swash Mix Setting after press the ENT. The "Swash Mix" item is only effected after choose the two or more servos in "2.11 Swash Type". Take the third servo 120° as an example.

(1) Swash Type



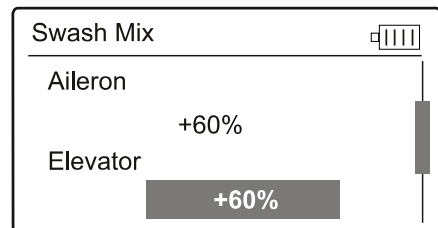
The item will show the current swash type if choose the two or more servos in "2.11 Swash Type". the choosed swash type is the third servo 120°.

(2) Aileron Mix Adjustment

In the interface of Swash Mix, press UP or DN to choose the navigation mark of Aileron Setting item. Press R button to increase the rate and L to reduce. If reversed direction, it is available to change through the "+" or "-" mark. The adjustable rate is ±125%. After finish the settings, press DN to set others.

(3) Elevator mix adjustment

The function is based on the three or more servos which is choosed (refer to the 2.11 Swash Type). The setting method is same as above.



(4) Pitch Mix Adjustment

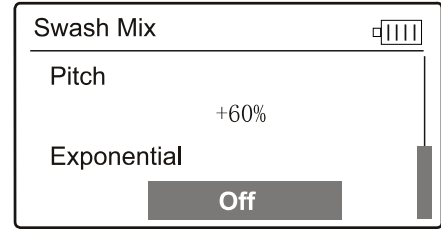
The function is based on the two or more servos which is choosed (refer to the 2.11 Swash Type). The setting method is same as above.

(5) Exponential Curve

This function can execute the exponential changes, which are set at Dual Rate and Exponential in Function Menu when it is started. If Off is selected, the exponential curve will be changed in the form of fold line.

Setting method:

Press UP or DN to touch the navigation mark of Exponential to expand two options: Off and On. the default setting is Off. On is recommended. Please press EXT key to exit after finished.

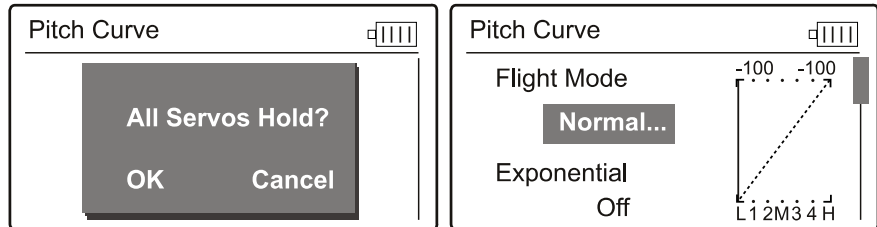


3.13 Pitch Curve

7-point adjustment method is allowed to set up all the pitch curves, respectively, in each flight mode, which includes Normal Mode, Stunt 1, Stunt 2, Stunt 3, Stunt 4, and Throttle Hold. The Flight Mode Extra Switch in Device Select should be previously chosen. Refer to "2.9 Device Select".

Setting method:

Press ENT to enter Main menu. Press UP or DN to move navigation mark to select Function Menu. Press ENT to enter function menu. Press UP or DN to select Pitch Curve. And press ENT to enter ENT to enter function menu. Press UP or DN to select Pitch Curve, press ENT to enter Pitch Curve interface, there is "All servos hold?", press ENT to confirm with OK for all the servos will be locked at the current states. Or use UP or DN to Cancel for Unlocked. Enter the next interface after confirmed OK or Cancel.



(1) Flight mode

Press UP or DN to select the Flight Mode at the interface of Pitch Curve, and then move the switch of flight mode, the state of flight mode will be shown. The Pitch Curve can be set at the current state. There are "Normal Mode", "Stunt 1", "Stunt 2", "Stunt 3", "Stunt 4" and "throttle hold" 6 flight modes. The "Normal Mode" is made as an example for your reference.

(2) Exponential

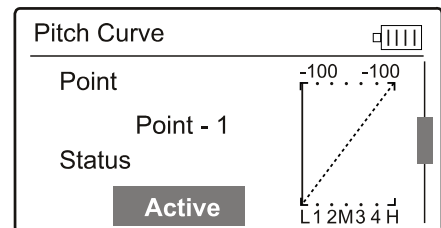
Press UP or DN to choose the setting item of Pitch Curve. There are ON or OFF option when you press the R or L buttons. The Curve Pitch will become round if the ON button is chosen. If you don't adjust the Pitch Curve Function, then choose OFF button.

(3) Setting of Curve Point

Press UP or DN to enter the setting interface of Curve Point. Press R or L keys of setting curve point, there are "point-L", "point -1", "point -2", "point -M", "point -3", "point -4", "point -H". Choose the points need adjusting.

(4) Status Setting

Press UP or DN option to choose the State setting after adjusting the date point. Press R or L keys, there are two options of "Inhibit" or "Active" (Choose "point-L" or "point -H", there is no status shown in the menu). If you don't want to change the date, then choose "Inhibit" (default setting is "Inhibit"). If you want to change the date, then choose "Active", "Output" item will be expanded.

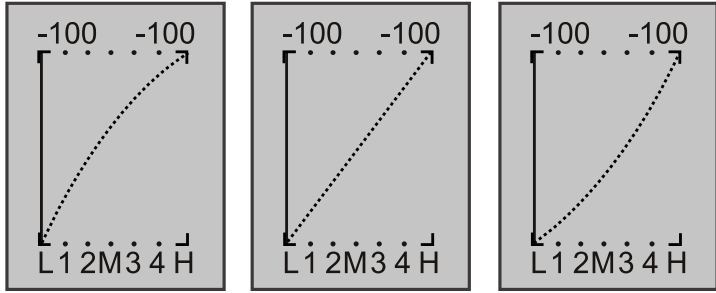


(5) Output Setting

Press UP/DN to make the navigation mark choose "output" set, press R to increase point's output; the minimum amount is +100%; press L to decrease point' output amount; the maximum amount is -100%.

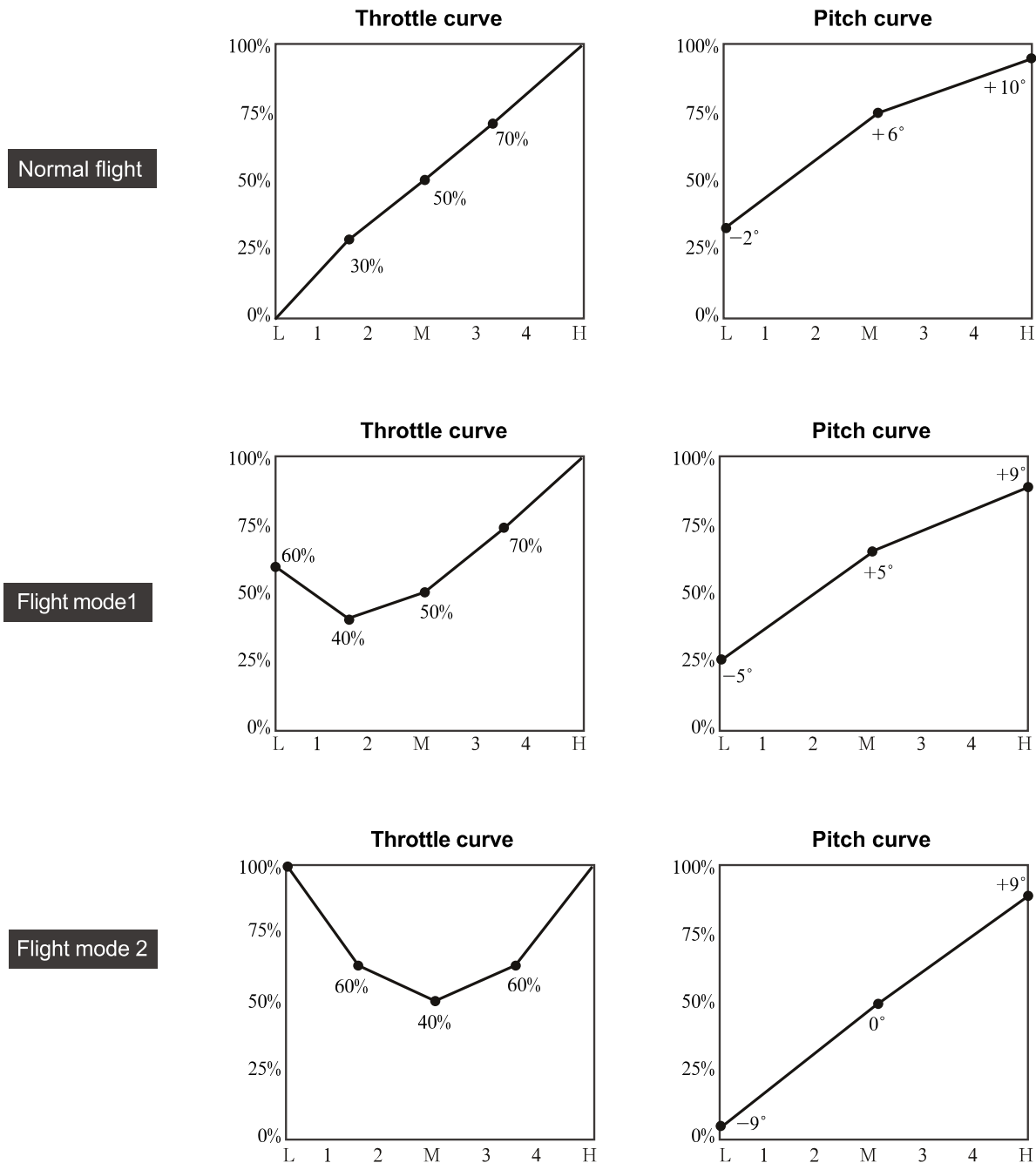
(6) Hovering Setting

When the above setup finished, the item Hovering should be set as ON and each point of Pitch Curve should be activated at the same time if the PIT Trim needs to be adjusted in flight. The points of 1-2, M, 3-4 will move at the same level with the up and down of the PIT when adjusting the Hovering Trim.

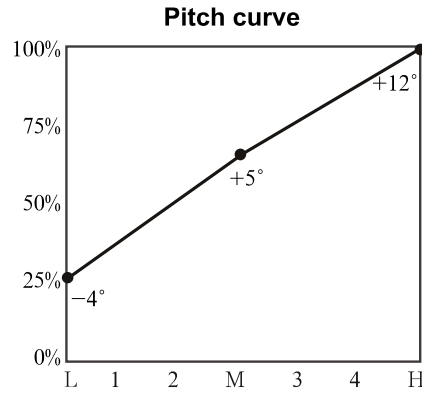


(7) There are "Normal Mode", "Stunt 1", "Stunt 2", "Stunt 3", "Stunt 4" and "Throttle hold" 4 flight modes. The PIT Curve can be set respectively at different models, the method of setting is as above. Press "EXT" key to exit after finished.

The basic examples are only for your reference. Adjustment to the real flights is a must.



Autorotation landing

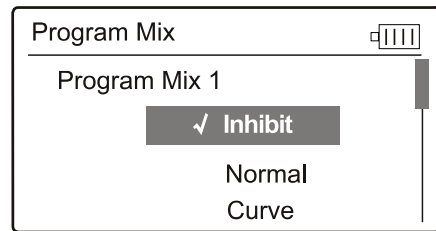


3.14 Program Mix

There are 8 series of program mix, mix channels and values are adjustable.

Setting Method:

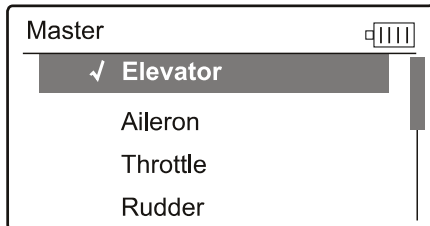
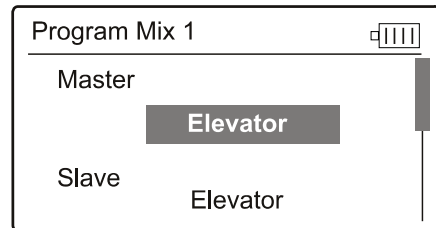
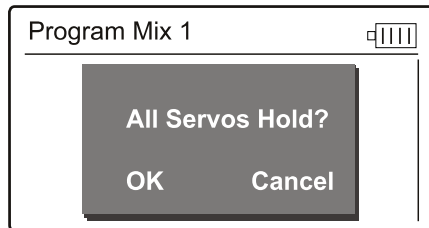
Press ENT enter to Main Menu. Press UP or DN select function, press ENT to enter function menu, then press UP or DN select "Program Mix". And press ENT to Program Mix setting and current status (default setting is "Inhibit") interface. Press R or L to choose Inhibit, Normal or Curve.



Take "program mix 1" for example, there are "normal" and "curve" setting.

(1) The "normal" setting of "program mix"

Press UP or DN select the "Normal" setting, Press ENT button then pop up "All Servos Hold?" Press R or L to choose OK or Cancel. If "OK" selected, all the servos will be locked in the current status, if "Cancel" selected, all servos are unlocked. Press ENT enter to Program mix setting interface.

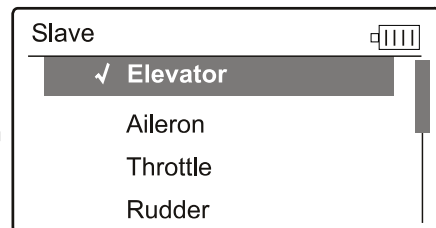


(1.1) Master channel setting

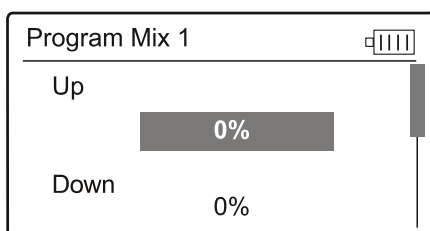
Press UP or DN to move the navigational mark to select Master option and press ENT to Master interface. Press UP or DN to select the desired channel and press ENT to make a "√". Press EXT to be back to Program Mix 1 interface.

(2) Slave channel setting

Press UP or DN to move the navigational mark to select Slave option and press ENT to Slave interface. Press UP or DN to select the desired channel and press ENT to make a "√". Press EXT to be back to Program Mix1 interface.



(1.3) Gain setting: Take Elevator at Master as an example.



(1.3.1) UP:

Mix amount setting when elevator stick moved upward.

Press UP or DN to move the navigational mark to select Up to item. Press R or L to increase or decrease, separately, the mix amount. It is possible to reverse mix direction through changing the plus or minus sign before amount. The adjustable range is ±125%.

(1.3.2) Down:

Mix amount setting when elevator stick moved backward. Press UP or DN to move the navigational mark to select Down item. Press R or L to increase or decrease, separately, the mix amount. It is possible to reverse mix direction through changing the plus or minus sign before amount. The adjustable range is $\pm 125\%$.

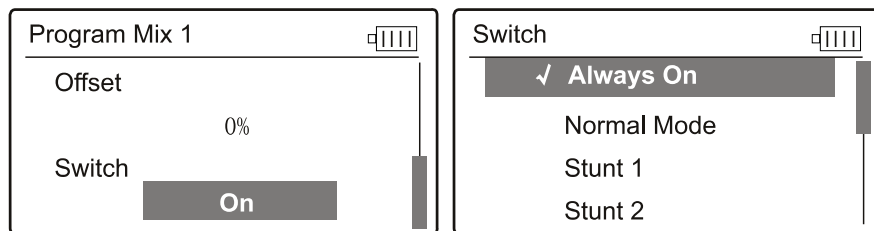
(1.3.3) Offset Setting

This function can make Slave begin to mix through the corresponding Lever switch from a certain point as the starting point.

Press UP or DN select the "Offset" setting, Press R to increase the mix amount and press L to decrease. It is possible to reverse Offset direction by pressing R or L button to change the plus or minus sign before amount. The adjustable range is $\pm 100\%$.

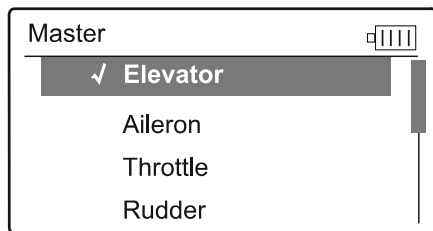
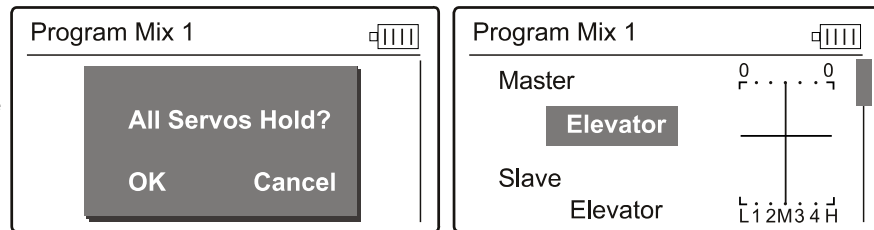
(1.4) Switch Selection

Press UP or DN to choose the navigation mark of Switch setting item and press ENT to enter the select interface of Switch. It is chosen if the Switch item is marked with "✓". There are "Normal Mode", "Stunt 1", "Stunt 2", "Stunt 3", "Stunt 4", "Throttle hold", ELEV D/R, AILE D/R, RUDD D/R and GEAR which can be chosen.



(2) Setting Method for Curve in Program Mix1

Press UP or DN to select Curve, press ENT to confirm. Then the interface pop up "All Servos Hold?", press R or L to choose OK or Cancel. If select OK, all the servos will be locked in the current status, if select Cancel, all servos are unlocked. Press ENT to setting interface of program Mix1.

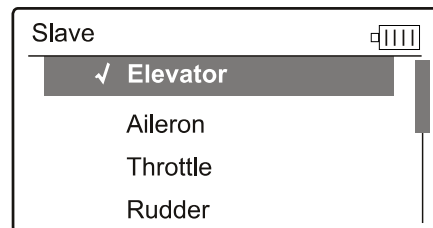


(2.1) Master channel setting

Press UP or DN to move the navigational mark to select Master option and press ENT to Master interface. Press UP or DN to select the desired channel and press ENT to make a "✓". Press EXT to be back to Program Mix 1 interface.

(2.2) Slave channel setting

Press UP or DN to move the navigational mark to select Slave option and press ENT to Slave interface. Press UP or DN to select the desired channel and press ENT to make a "✓". Press EXT to be back to Program Mix1 interface.

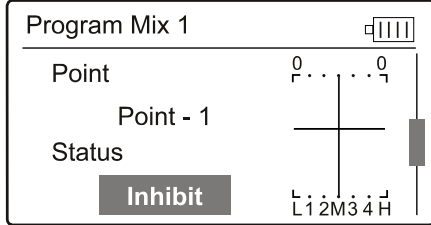


(2.3) Exponential Curve

Press UP or DN to choose the setting item of "Exponential". There are On or Off option when you press the R or L buttons. Select On for smooth changes, and Off for changes in the form of fold ling in Exponential curve, respectively.

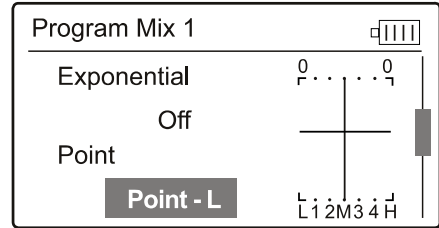
(2.4) Point Setting

Press UP or DN to move the navigation mark of Point option. Press R or L, there are 7 piont options including "Point-L", "Point-1", "Point-2", "Point-M", "Point-3", "Point -4" and "Point-H". Select the point you want to set.



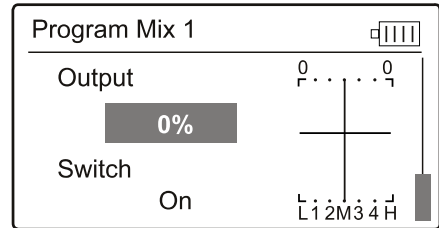
(2.5) Status Setting

(There is no Status options when the piont is Point-L or Point-H) After selecting the point that you want to set, press UP or DN to move the navigational mark to Status item. Press R or L, there are two options of Inhibit and Active. Select Inhibit for unchanging the current amount (the default setting is Inhibit).



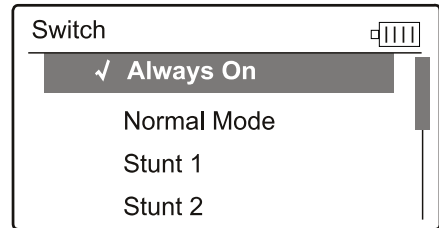
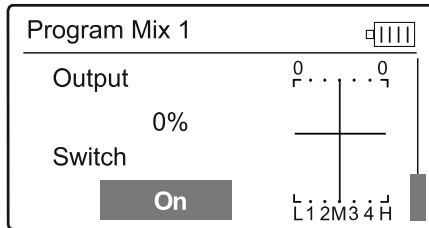
(2.6) output setting

When the Status option is Active, the Output option will be listed. Press UP or DN to move the navigational mark to Output. Press R or L to increase or decrease, respectively, the output amount. It is possible to reverse the mix direction by changing the plus or minus sign before the amount. The adjustable range is ±100%.



(2.7) Switch select

Press UP or DN to choose the navigation mark of Switch setting item and press ENT to enter the select interface of Switch. It is chosen if the Switch item is marked with "√". There are "Normal Mode", "Stunt 1", "Stunt 2", "Stunt 3", "Stunt 4", "Throttle hold", "ELEV D/R", "AILE D/R", "RUDD D/R" and "GEAR" which can be chosen. Press EXT key to return to the previous interface for other settings or press EXT key to exit after finished.

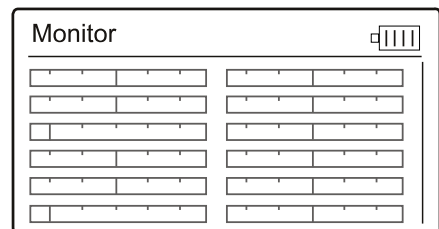


3.15 Monitor

This function can display the current status and positions of all the channels' outputs, and check the current working status of each channel.

Press ENT to enter Main Menu, and then press UP or DN to move the navigational mark to select Function Menu. Press ENT to enter the Function Menu and then press UP or DN to select servo Monitor and press ENT to enter the monitor interface for checking the current working status of each channel.

Press EXT to exit .



3.16 Fail safe

There are two possibilities for use if the transmission signal is under abnormal condition. The first one is to lock the last action data received; the second one is to execute the pre-set data which is pre-set. The default setting is Servo Hold.

Setting method:

Press ENT to enter the Main Menu, and then press UP or DN to move the navigational mark to select Function Menu. Press ENT to enter the Function Menu then press UP or DN to select Fail Safe and press ENT to enter the Fail Safe interface. Take the item Elevator as an example to explain.

