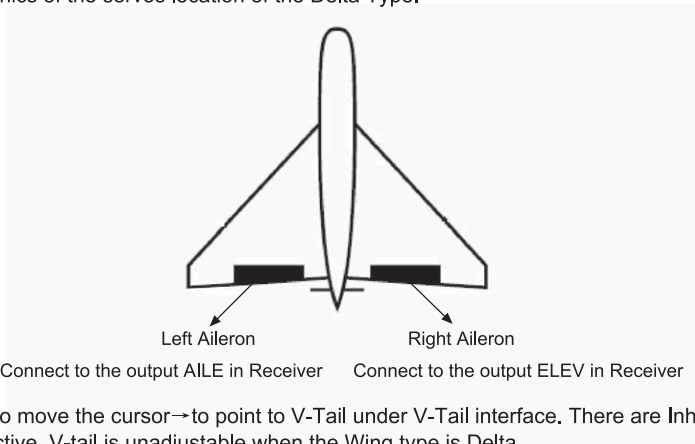


(2) Delta

Press R or L to choose Delta in Wing Type.

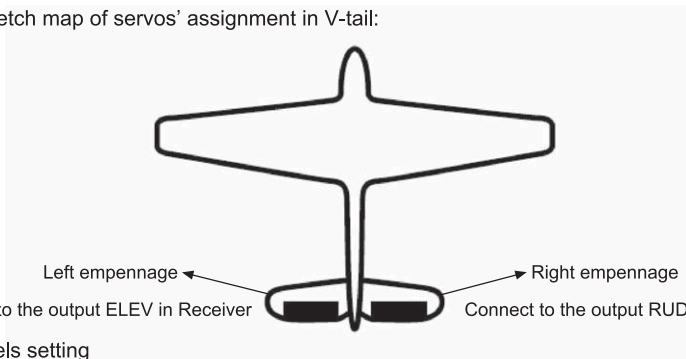
Below is the graphics of the servos location of the Delta Type.



(3) V-tail

Press UP or DN to move the cursor→to point to V-Tail under V-Tail interface. There are Inhibit and Active, please choose Active. V-tail is unadjustable when the Wing type is Delta.

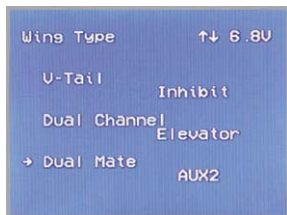
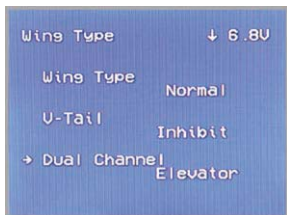
Below is the sketch map of servos' assignment in V-tail:



(4) Dual channels setting

Dual Channels can be set as Elevator, Aileron, Rudder, or Flaperon. It is of dual channel output function. The channel, which will be set as dual channel at AUX in Device Output (Refer to "2.10 Device Output"), should be previously set as Inhibit when the AUX channel is being set.

Dual Channel setting: Press UP or DN to move the cursor→to point to item Dual Channels in the interface of Wing Type, press R or L, there are items of Elevator, Aileron, Rudder, and Flap. We take Elevator as an example.



(4.2) Dual Mate Setting

Press UP or DN to move the cursor→to point to Dual Mate. Press R or L to select the desired channel in the menu with Inhibit and the inhibited channels previously set in "Device Output".

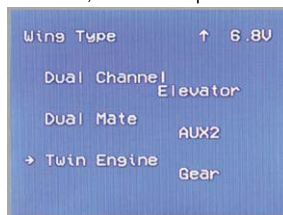
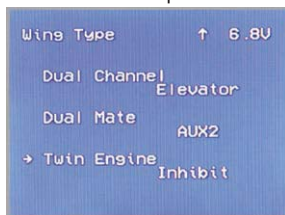
The settings of Aileron, Rudder and Flap in the item Channel are same as above.

(4.2) Twin Engine

This function can be set as twin engine output to meet the requirement for the models, which are powered by twin engines.

Twin Engine setting: Press UP or DN to move the cursor→to point to Twin Engine. Press R or L to the desired channel in the menu with Inhibit and the inhibited channels previously set in "Device Output"

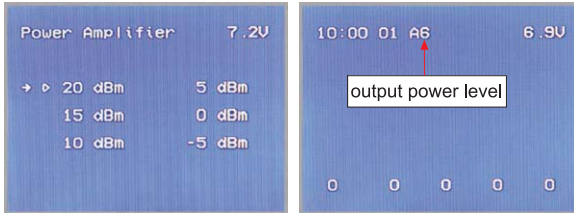
Press EXT after setting finished.



2.12 Power Amplifier

The transmission output power of DEVO F7 is adjustable. It is divided into six grades from low to high. The lower the transmission output power transmits, the shorter the radio range is, and the longer the stand-by time will be, the higher the transmission output power, the farther the radio range, and the shorter the stand-by time. Choose the appropriate transmission output power according to the actual situation.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Power Amplifier, press ENT to Power Amplifier setting interface.



Press UP or DN to move the cursor→to point to the desired output power value and press ENT to confirm. The output power level will also show on the main menu interface see the left illustration:

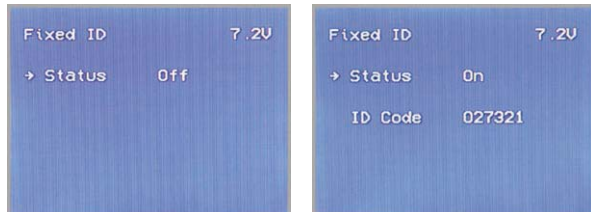
2.13 Fixed ID

Using the Fixed ID function allows users to create a unique relationship between transmitter model data and the corresponding model's receiver. It significantly speeds up the binding process and also prevents mistakenly flying an aircraft with the incorrect transmitter model selected.

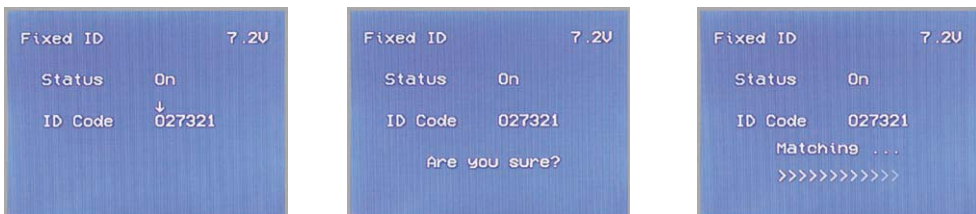
(1) Fixed ID setup

To start the Fixed ID setup it is important that the transmitter and receiver have successfully completed automatic ID binding process. Once the transmitter and receiver are paired a Fixed ID can be set as described below:

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Fixed ID, press ENT to the Fixed ID setting interface. Press R+ or L- to set Status ON, and there is a Random Fixed ID display on the screen. Press DN to move the cursor → to point to ID Code, press ENT to move the cursor → to point to the first code of the Fixed ID.

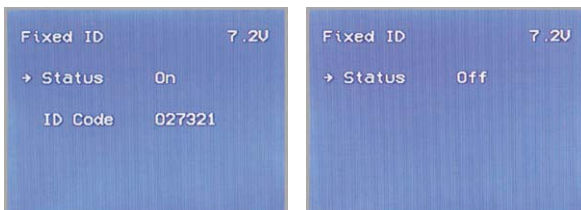


Press R+ or L- to change the Code; Press DN to move to next Code. Press ENT after finished setting, there is an inquiry "Are you sure?". Press ENT to confirm and execute the binding process. After finished binding the display will return to the Model Menu automatically.



(2) Cancelling/Resetting the Fixed ID

If you wish to change the receiver Fixed ID model back to random ID, insert the included BIND PLUG into the output terminal BATT before the receiver is powered on. Connect 5V DC power to the Throttle channel. The red LED of the receiver will flash slowly. Remove the BIND PLUG. The Fixed ID code has been cancelled. After the receiver's Fixed ID is reset it should also be reset in the Transmitter.

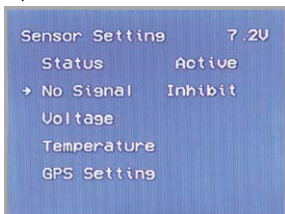


Refer to the instructions of Fixed ID setting above to the following interface. Press UP to move the cursor → to point to Status ON. When Fixed ID Status ON, press R+ or L- to change ON to OFF. Press EXT to exit.

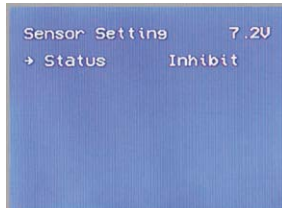
2.14 Sensor Setting

Setting method: Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→to point to Sensor Setting, press ENT to Sensor setting interface.

Press R or L to select Activate or Inhibit (the default setting is Inhibit), such as press Activate will includes No Signal Warning, Voltage sensor, Temperature sensor, GPS receiver setting etc.



(1) No Signal



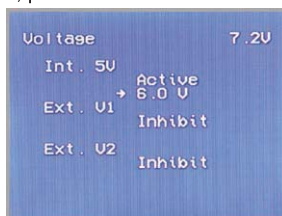
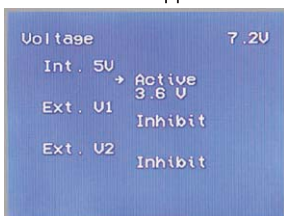
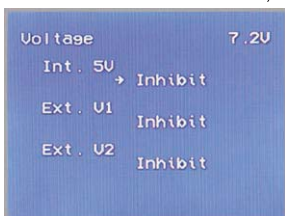
Press UP or DN to move the cursor→to point to No Signal option. Press R or L to choose Inhibit or Active (default setting is inhibit). If you choose Active, the Radio will alarm when telemetry signal lost. See the left illustration:

(2) Voltage

There are 3 different types of voltage can be measured. It includes Internal 5V, External V1 and V2 which can be monitored two different external voltage(i.e. battery) respectively. Once the measured voltage is lower than the setting value, the Radio will alarm.

(2.1) Receiver 5V(Internal) PFV(Power Feeding Voltage) Alarmed value can be setted as 3.6-6V

Voltage setting: press DN to move the cursor→to point to Voltage option on the Sensor setting interface. Then press ENT to enter the voltage setting interface. Press UP or DN to move the cursor→to point to Int.5V option. Press R or L to activate the 5V, the alarm interface will appear in the interface, please refer to the illustration.

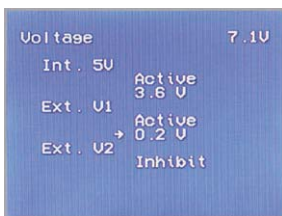
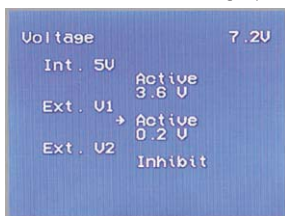


Press UP or DN to select the Alarm Voltage setting option, press R or L to set the value. The range is 3.6-6V. You can continue to set other items after you finished.

(2.2) V1 External V1

Press UP or DN to move the cursor→to point to External V1 setting option. Press R or L to activate the V1, the details refers to the illustration.

Press UP or DN to move the cursor→to point to the Alarm Voltage setting. Press R or L to set the value. The setting range is 0.2~99.9V. You can continue to set other items after you finished.



(2.3) External: V2 setting can refer to External V1 setting. Press EXT to back to sensor setting interface to set other options.

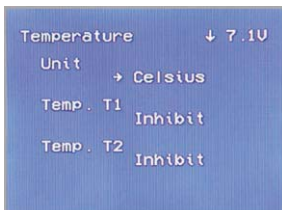
(3) Temperature sensor

The temperature sensor can measure up to 4 different temperature(i.e.motors). You can choose Celsius or Fahrenheit. The alarmed value can be setted to 4 different temperature. Once the measured value is higher than the setting value, the radio will alarm. The Alarm Temperature value can be setted as -20~220° C or -4.0~428.0° F.

Temperature Setting: In the Sensor Setting interface, press UP or DN to move the cursor→to point to Temperature Sensor setting option, and press ENT to Temperature setting interface. See the illustration.

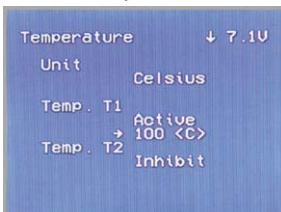
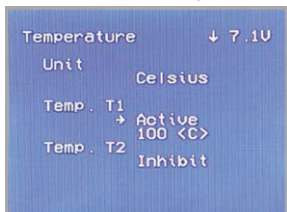
(3.1) Unit

Press UP or DN to move the cursor→to point to Unit setting option, and press R or L to choose Unit, two kinds of Unit: Celsius and Fahrenheit.



(3.2) Alarm Temperature settings

Press UP or DN to move the cursor→ to point to T1 option, Press R or L to activate the setting. Inhibit will change to Active and Alarm temperature will be shown. If you choose Inhibit, the Alarm temperature value won't be shown.



Press UP or DN to move the cursor→ to point to Alarm setting, press R or L to set the alarm temperature value. Press UP or DN to set other items after finishing the setting.

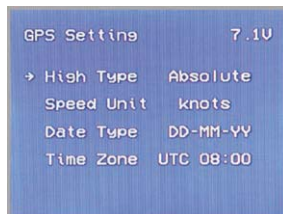
(3.3) T2,T3,T4 setting

Refer to the step of "T1".

(4) GPS Setting

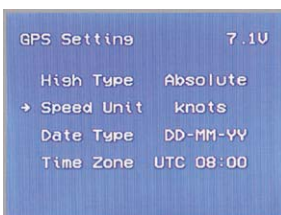
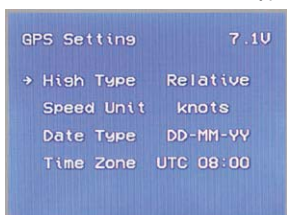
There are 4 items including Altitude Type, Speed Unit, Date Type and Time Zone in the GPS receiver setting interface.

Setting: Press ENT to the Main Menu. Press UP or DN to move the cursor→ to point to Model Menu, press ENT to Model Menu; Press UP or DN to move the cursor→ to point to Sensor Setting, press ENT to Sensor setting interface; Press UP or DN to move the cursor→ to point to GPS Setting, press ENT to GPS setting interface.



(4.1) High Type

Press UP or DN to select the High type on the GPS setting interface and there are Absolute and Relative two type.

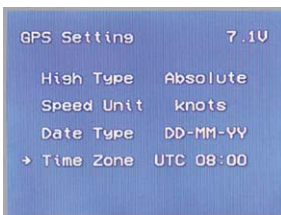
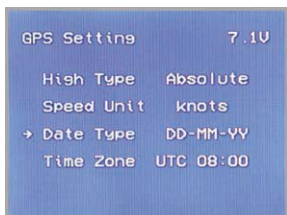


(4.2) Speed Unit

Press UP or DN to select the Speed Unit on the GPS setting interface and it includes knots and km/h and relative. Select the desired item.

(4.3) Date Type

Press UP or DN to select the Date Type on the GPS setting interface and it includes DD-MM-YY, MM-DD-YY and YY-MM-DD. Select the desired item.



(4.4) Time Zone

Press UP or DN to select the Time Zone, press R or L to set the desired Time Zone.

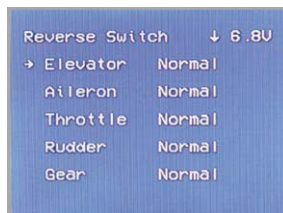
3.0 Function Menu

The Function Menu allows you to customize the settings for your saved models. This menu includes the following: Channel Reverse Switch, Travel Adjust, Sub Trim, Dual Rate and Exponential, Throttle Hold, Throttle Curve, Differential, Balance, Gyro Sensor, Governor, Aileron to Rudder Mix, Elevator to Flap Mix, Rudd to Aile/Elevator, Flap System, Airon to Flap Mix, Program Mix, Monitor, Fail Safe, Sensor View,Trainer and Timer.

3.1 Reverse Switch

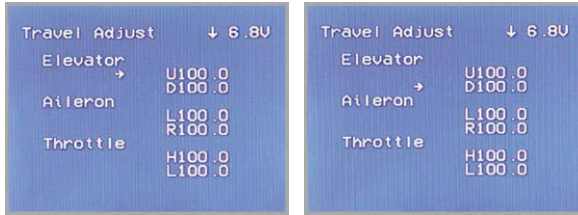
Press ENT to the Main Menu. Press UP or DN to move the cursor→ to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→ to point to Reverse Switch, press ENT to Reverse Switch setting interface.

Press UP or DN to move the cursor→ to point to ELEV(take Elevator for example), Press R or L to shift the status between normal and reverse. These are two status for option. And the default setting is Normal. All Channels Reverse Switch like: Aileron, Throttle, Rudder, Gear, Flap, and Aux2 can be referred to the way of ELEV Reverse Switch. And press EXT to exit after setting finished.



3.2 Travel Adjust

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Travel Adjust, press ENT to Travel Adjust setting interface. The interface display a channel's servo travel value status.



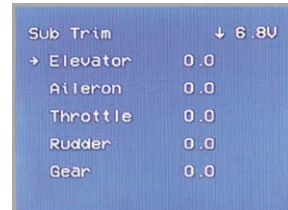
Press UP or DN to move the cursor→to point to “Elevator’s U” setting (ELEV is used in the example), press R+ or L- key, can set the travel value while the Elevator towards up. The adjustment range :0.0-150.0%. Factory default setting: 100.0%.

Press UP or DN to move the cursor→to point to “Elevator’s D” setting, press R+ or L- key, can set the travel value while the Elevator towards down. The adjustment range :0.0-150.0%. Factory default setting: 100.0%. The settings for all channels, Aileron, Throttle, Rudder, Gear, Flap and Aux2 can all be set using this process. Press EXT to exit.

3.3 Sub Trim

NOTE: Sub Trim is used to fine tune the servo neutral position during setup. In order to avoid pushing the servo beyond it's limits and possibly causing damage it is advised to first mechanically adjust the servo arm/bell crank to be as close to the neutral point as possible. Only when this is complete may sub trim be used to make a final adjustment.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Sub Trim, press ENT to Sub Trim setting interface.



The interface display a adjustable channel's name and adjustable data project. Press R+ or L- can adjust the fine tune the servo neutral position. Press UP or DN can select the channel you wish to set. Every Channel default setting value is 0.0%. The adjustment ranges are as below:

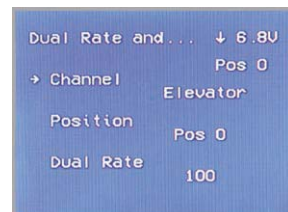
Channel name	Adjustment range	Channel name	Adjustment range
Elevator	D62.5% ~ U62.5%	Gear	-62.5% ~ +62.5%
Aileron	R62.5% ~ L62.5%	Flap	D62.5% ~ U62.5%
Throttle	L62.5% ~ H62.5%	Gyro	-62.5% ~ +62.5%
Rudder	R62.5% ~ L62.5%		

Press EXT to exit.

3.4 Dual Rate and Exponential

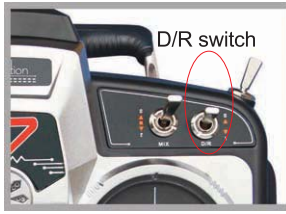
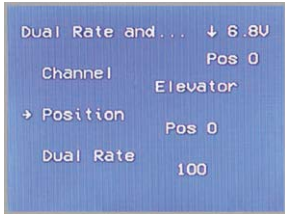
After this function is set up, it is possible for D/Rswitch to control the dual rates of elevator, aileron and rudder, respectively. The setting range is covered from 0-125%. Under the help with exponential curve adjustment, it is possible to make both customized setting and automatic setting.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Dual Rate and Exponential, press ENT to Dual Rate and Exponential setting interface.



(1) Channel

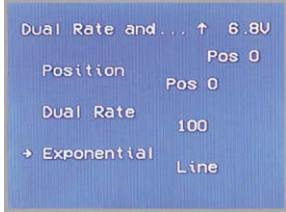
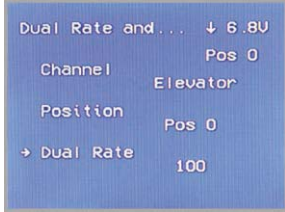
Press UP or DN to move the cursor→to point to Channel setting, press R+ or L- key, can set the Channel as follows : ELEV, AILE and RUDD ect.



(2) Position
Press UP or DN to move the cursor→to point to Position setting, Use the corresponding D/R switch to set D/R and exponential function. The available positions are POS0 and POS1. ELEV is shown in the following example. Use ELEV D/R switch to select the position you wish to change.

(3) Dual Rate

Press UP or DN to move the cursor→to point to Dual Rate setting, press R+ or L- key, can set the "Position" dual rate value. The default setting is 100%.

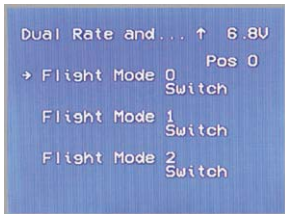


(4) Exponential

Press UP or DN to move the cursor→to point to Exponential setting, press R+ or L- key, can set the "Position" Exponential value. there are ±100% and LINE three settings available.

(5) Automatic setting

Under Flight Mode, it is possible to switch the dual rate and exponential, which are set in above“(3) Dual Rate adjustment” and “(4) Exponential adjustment”, respectively. There are Flight Mode 0, Flight Mode 1, Flight Mode 2 settings available.



(5.1) Flight Mode 0

Press UP or DN to move the cursor→to point to Flight Mode 0 setting, press R+ or L- key, can set the position or switches. Selected "Switch" for corresponding D/R switches settings and selected "Position" can switch "(3) Dual rate and exponential settings" and "(4) exponential setting" according to different flight mode. There are Switch, Pos 0, Pos 1, Pos 2 settings available.

(5.2) Flight Mode 1 , Flight Mode 2 settings please refer to above Flight Mode 0 settings.

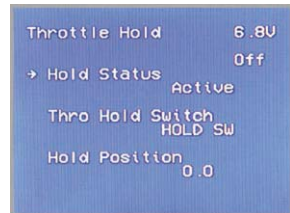
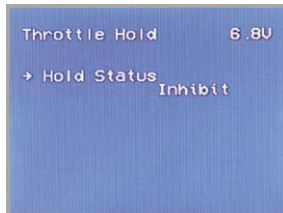
Press EXT to exit.

3.5 Throttle Hold

If the throttle hold function is activated in the function settings menu, it can be operated by the Throttle Hold switch. The permitted setting range is from -20.0% to 50.0%. The default setting is INH (inhibited).

Setting method:

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Throttle Hold, press ENT to Throttle Hold setting interface.

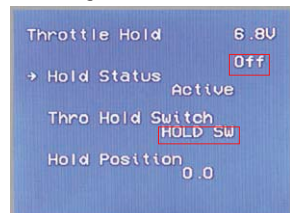


Press R+ or L- key active Throttle Hold function. There are Throttle Hold Status , Throttle Hold Switch and Throttle Hold Position three settings available.

(1) There two status of Throttle Hold: "Inhibit" and "Active". The factory default setting is "Inhibit".

(2) Throttle Hold Switch setting

This function can't be set, the factory default setting is "HOLD SW". The status always be "HOLD SW". See the right Illustration:



(3) Throttle Hold Position setting

Press UP or DN to move the cursor→to point to Hold Position setting option, Press R+ or L- adjust the data, the MIN Value: -20.0%; MAX Value: +50.0%.

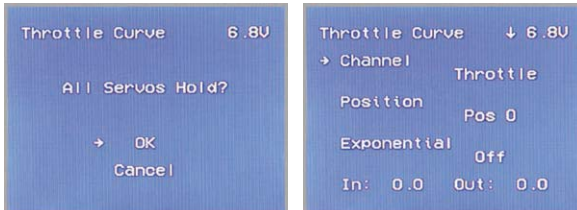
When Throttle Hold switch “Active”, the throttle held in the “Throttle Hold position” setted position. When Throttle Hold Switch “Inhibit”, the throttle hold status released.

Press EXT to exit.

3.6 Throttle Curve

Throttle Curve are adjusted through 7 points.

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Throttle Curve, press ENT to Throttle Curve setting interface. see below Illustration:



The interface of Throttle Curve will pop up “All servos Hold?” inquire, if you choose “OK” every servo will hold at current position, if you choose “Cancel” every servo won’t be hold.

(1) Channel setting

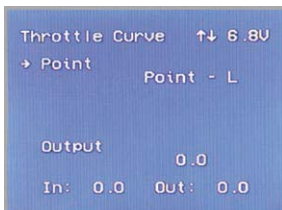
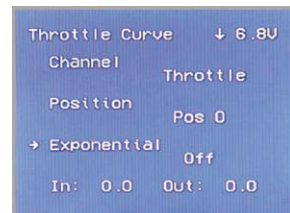
The default setting is Throttle Channel, and can not reset.

(2) Position selection

Press UP or DN in the “Throttle Curve” setting interface to select “Position”, press R+ or L- to select the item you want to set in the list with Pos 0 and Pos 1.

(3) Exponential curve setting

Press UP or DN to move the cursor→to point to “Exponential” setting. Press R or L can set ON and OFF. The throttle curve will being changed smoothly if select ON. Select OFF if not need then the throttle curve will be shown as a line. See the right Illustration:



(4) Curve setting: Including “Point” and “Output”

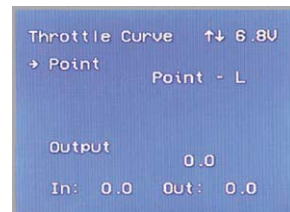
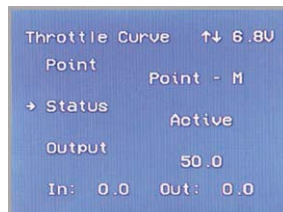
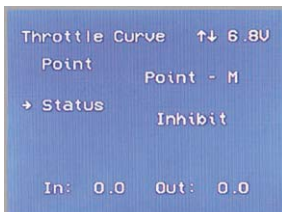
(4.1) Point setting

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”.

(4.2) Status setting

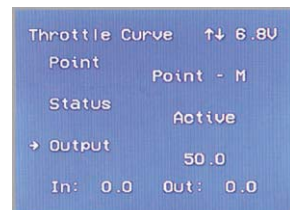
After above setup, press DN to select Status setting, press R+ or L- to set Inhibit or Active. Select Inhibit keeping the current value (the default setting is Inhibit). Select Active for changing the above points’ value.

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



(4.3) Output setting

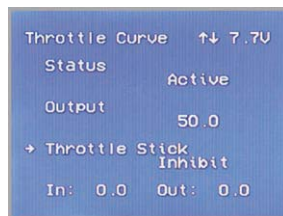
There is a expand item “Output” after select Status Active, press DN to select Output setting, press R+ or L- to increase or decrease, respectively, the output value. The adjustable range is from 0.0% to 100.0%. “IN” and “Out” means throttle stick input and output level.



(5) Throttle Stick setting

The switch between Pos 0 and Pos 1 can be freely realized through throttle stick after the below amount has been set up. The below set amount is the position of throttle stick as well as the switch point.

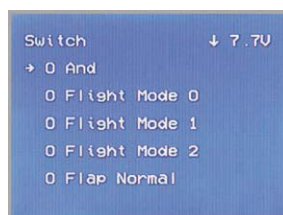
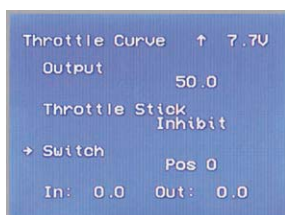
Throttle setting: Press UP or DN to move the cursor→to point to Throttle Stick setting, Press L to decrease the amount with a lower limit of 0.0% or Inhibit, Press R+ to increase the amount with an upper limit of 100.0%.



(6) Switch Selection

When the item Throttle Stick is set in Inhibit, it is possible to switch between Pos 0 and Pos 1 by Switch. Press UP or DN to move the cursor→to point to "Switch". Press ENT to enter into Switch selection interface,

press UP or DN to move the cursor→to point to the desired item. Press ENT, the desired item whose left side will be changed into "1" from "0". If two or more items are selected, the item should be chosen, whose left side should be changed into "1" from "0". Press EXT after finished it.

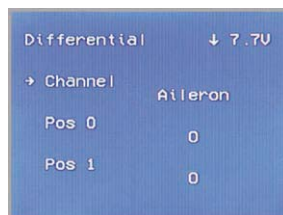


3.7 Differential

If want to use this function, Flaperon or Delta should be previously selected in Wing Type of Model Menu. Refer to "2.11 Wing Type".

(1) Aileron differential setting

Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Differential, press ENT to Differential setting interface. See the right Illustration:

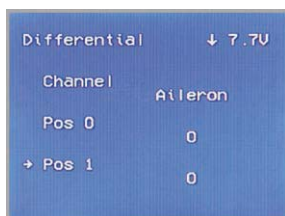
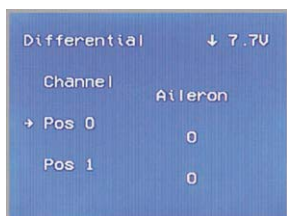


Mounting servos in left and right ailerons are a must if using this function. The following interface will be shown after Flaperon or Delta selected in Wing Type. Refer to "2.11 Wing Type".

(1.1) Channel: Current setting channel is Aileron. System default can not be set.

(1.2) Setting for Pos 0

Press UP or DN to move the cursor→to point to Pos 0, press R or L to increase or decrease differential value, respectively. The adjustable range is ± 100%.



(1.3) Setting for Pos 1

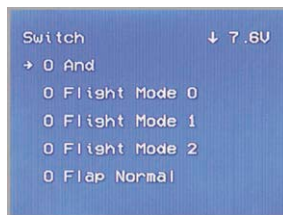
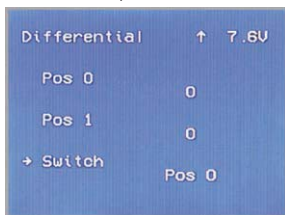
Press UP or DN to move the cursor→to point to Pos1, press R or L to increase or decrease differential value, respectively. The adjustable range is ± 100%.

(1.4) Switch selection

It is possible to switch by Setting Switch when differential is in use.

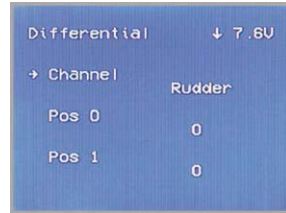
Press UP or DN to move the cursor→to point to Switch, press ENT to enter interface of Switch selection,

Press UP or DN to move the cursor→to point to desired item. Press ENT, the desired item whose left side will be changed into "1" from "0". If two or more items are selected, the item "And" should be chosen, whose left side should be changed into "1" from "0". Press EXT after finished it.



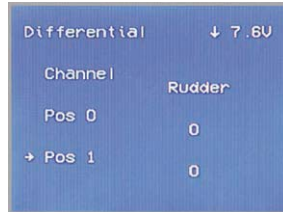
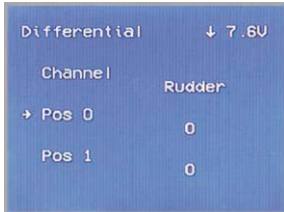
(2) Rudder differential setting

V-Tail should be previously set in Wing Type of Model Menu if the rudder differential function is activated. Refer to “2.11 Wing Type”. On the interface of Differential, press UP or DN to move the cursor→to point to Channel, And press R+ to choose Channel to Rudder, see Illustration:



(2.1) Setting for Pos 0

Press UP or DN to move the cursor→to point to Pos 0, press R or L to increase or decrease differential value, respectively. The adjustable range is ± 100%.



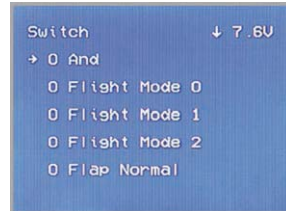
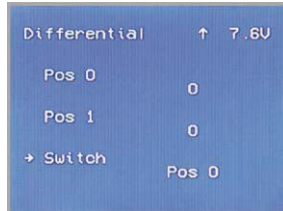
(2.2) Setting for Pos 1

Press UP or DN to move the cursor→to point to Pos1, press R or L to increase or decrease differential value, respectively. The adjustable range is ± 100%.

(2.3) Switch selection

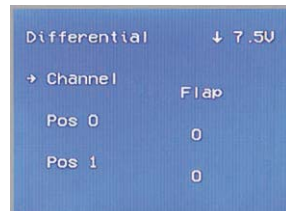
It is possible to switch by Setting Switch when differential is in use.

Press UP or DN to move the cursor→to point to Switch, press ENT to enter interface of Switch selection, Press UP or DN to move the cursor→to point to desired item. Press ENT, the desired item whose left side will be changed into “1” from “0”. If two or more items are selected, the item “And” should be chosen, whose left side should be changed into “1” from “0”. Press EXT after finished it.



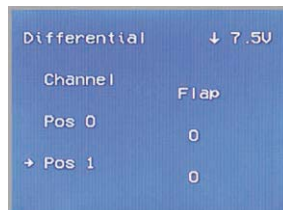
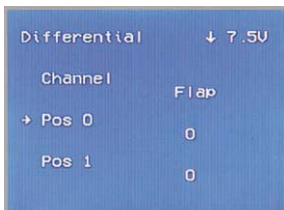
(3) Flap differential setting

It should be previously set the flap dual channel function in Wing Type of Model Menu (refer to “2.11 Wing Type”) in order to activate the menu of Flap Differential. On the interface of Differential, press UP or DN to move the cursor→to point to Channel, and press R+ to choose Channel to Flap as the right Illustration:



(3.1) Setting for Pos 0

Press UP or DN to move the cursor→to point to Pos 0, press R or L to increase or decrease differential value, respectively. The adjustable range is ± 100%.



(3.2) Setting for Pos 1

Press UP or DN to move the cursor→to point to Pos1, press R or L to increase or decrease differential value, respectively. The adjustable range is ± 100%.

(3.3) Switch selection

It is possible to switch by Setting Switch when differential is in use.

Press UP or DN to move the cursor→to point to Switch, press ENT to enter interface of Switch selection, Press UP or DN to move the cursor→to point to desired item. Press ENT, the desired item whose left side will be changed into “1” from “0”. If two or more items are selected, the item “And” should be chosen, whose left side should be changed into “1” from “0”. Press EXT after finished it.

