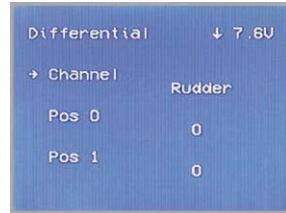


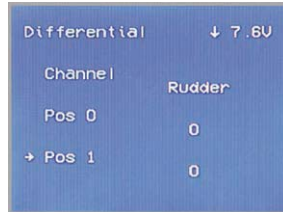
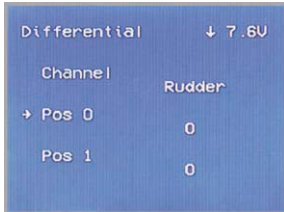
(2) Rudder differential setting

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%.



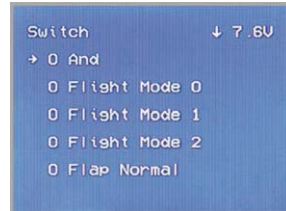
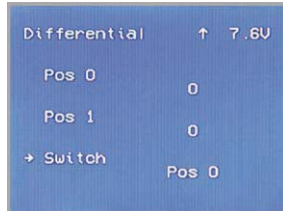
(2.2) Setting for Pos 1

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

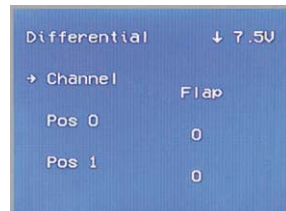
It is possible to switch by Setting Switch when differential is in use.

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.



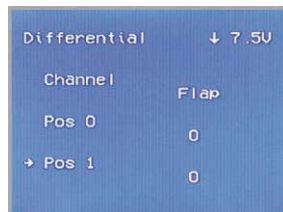
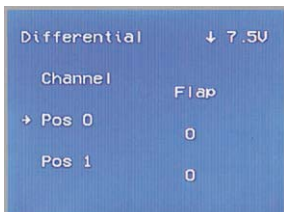
(3) Flap differential setting

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%.



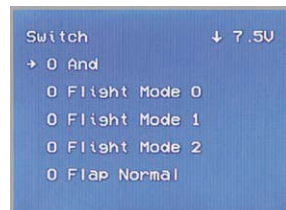
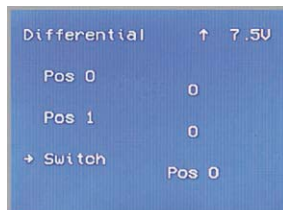
(3.2) Setting for Pos 1

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.

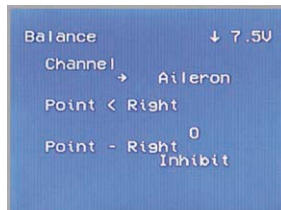


3.8 Balance

This function can adjust the parameters of the two servos which are used in the dual channels. It should be previously activated one of these wing types of Flaperon, Delta, and V Tail in Wing Type at Model Menu. Refer to “2.11 Wing Type”.

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 Balance, press ENT to Balance setting interface. See Illustration:

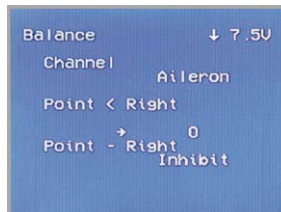


(1) Channel

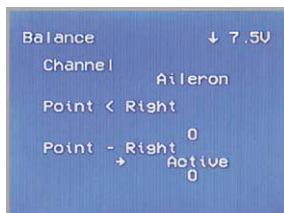
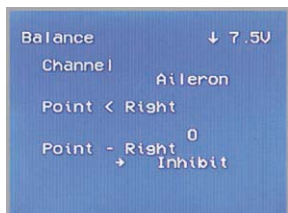
Current setting channel is Aileron, or other double channels. Press UP or DN to move the cursor→to point to Channel, and press R+ or L- to choose the setting you want.

(2) Point parameter adjustment

Point< Right Setting: Press UP or DN to move the cursor→to point to “Point< Right”. If need to adjust the value, press L (0% means no adjusting). A minus value means the amending direction is downward; press R to adjust value(0% means no adjusting). A plus value means the amending direction is upward. The adjustable range is ±100%.



Point-Right Setting: Press UP or DN to move the cursor→to point to “Point-Right”. Press R or L to inhibit or active. If need to adjust please active it. There will be expanded value adjustment item. Press UP or DN to move the cursor→to point to “0%”, if need to adjust the value, press L (0% means no adjusting). A minus value means the amending direction is downward; press R to adjust value (0% means no adjusting). A plus value means the amending direction is upward. The adjustable range is ±100%.



Press UP or DN, there will be setting for Point-1, Point-2, Point-3, Point-Left, Point>Left, refer to the setting method as above. Press EXT after finished it.

3.9 Gyro Sensor

This function offers the gain adjustment for gyro sensor, which can be manually set through MIX switches or Flight mode switch, and also is possible to be automatically switched among various gains through flight mode switch. (The flight mode should be activated. Refer to “2.9 Device Select”).

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 Gyro Sensor, press ENT to Gyro Senso setting interface. see Illustration:



(1) Manual Setting

(1.1) Manual Setting

In the Gyro Sensor interface, press UP/DN to choose “Gyro 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 “Device Output”set. (refer to “2.10 Device Output”).

(1.3) Switch

In the Gyro Sensor interface, press UP/DN to choose “Switch” project set, press R+/L- to selectable sets FMOD SW, MIX SW, D/R SW, HOLD SW, GEAR SW, totally 5 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

Press UP/DN to choose “position 0”, press R/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 setting is 50%.

(1.4.2) “Position 1”, “Position 2” setting method please refer to above “position 0”.

(2) Automatic setting

(2.1) Automatic setting

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



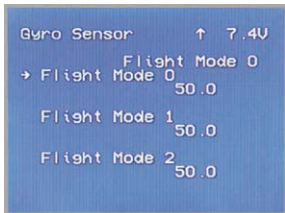
(2.2) Channel

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

(2.3) Switch: Can’t be used in this Automatic Setting.

(2.4) Status

Turn the Flight Mode switch, the status display present flight mode position. There are “Flight Mode 0”, “Flight Mode 1” and Flight Mode 2. etc.



(2.4.1) Flight Mode 0:

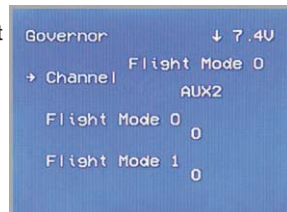
Press UP or DN to move the cursor→to point to Flight Mode 0, press R/L can increase or decrease the value individually. If the gyro used has two modes of NOR and AVCS, NOR will be activated when the value is less than 50.0%. In NOR mode, the smaller the value is, the bigger the gyro sensor gain will be. The factory setting is 50.0%.

(2.4.2) Flight Mode 1, Flight Mode 2 setting refer to “Flight Mode 0”. After finishing the set, press EXT to exit.

3.10 Governor

Before setup this function, “Governor” should be set and activated in “Device Output” interface(Refer to 2.10 Device Output). It is possible to set Governor control rate in various flight modes separately. 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.

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 Governor, press ENT to Governor setting interface. See Illustration:



The status and Channel will display in the interface. Press UP/DN can see the “Flight Mode 0”, “Flight Mode 1”, “Flight Mode 2” and so on.

(1) Status

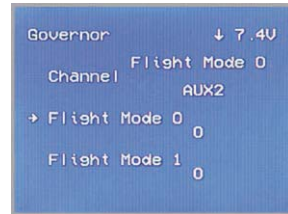
Turn the Flight Mode switch, the status set display present flight mode position. There are “Flight Mode 0”, “Flight Mode 1”, “Flight Mode 2” and so on.

(2) Channel: The setted channels will display in “2.10 Device output” (refer to 2.10 Device Output)

(3) Flight Mode 0

Press UP or DN to move the cursor→to point to the “Flight Mode 0” set, press R/L to increase/decrease the value.The factory default value is 0%.

(4) Flight Mode 1, Flight Mode 2 setting refer to “Flight Mode 0”. After finished the setting, press EXT to exit.

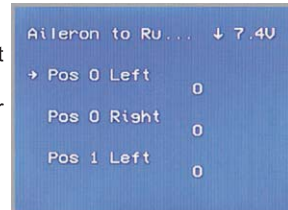


3.11 Aileron to Rudder Mix

This function is possible to execute the mix of aileron to rudder, which is controlled by switch.

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 Aileron to Rudder Mix, press ENT to Aileron to Rudder Mix setting interface. See Illustration:



(1) Pos 0 Setting leftward setting

Press UP or DN to move the cursor→to point to leftward mix value, press R or L, leftward mix value of aileron to rudder will be changed. The mix direction will be revised by changing the sign of plus or minus before the value. The adjustable range is ±125%.

(2) Pos 0 Setting rightward setting

Press UP or DN to move the cursor→to point to rightward mix value, press R or L rightward mix value of aileron to rudder will be changed. The mix direction will be revised by changing the sign of plus or minus before the value. The adjustable range is ±125%.

(3) Pos 1 setting, reference Pos 0 setting.

(4) Throttle stick setting

The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Press UP or DN to move the cursor→to point to "Throttle Stick" setting, press R or L to change the value or inhabit. The Throttle Stick position can be set when changing the value.The default setting is "Inhabit". The adjustable range is from 0.0% to 100.0%

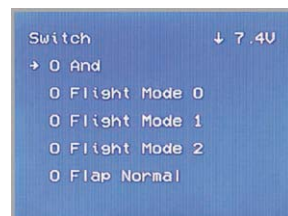
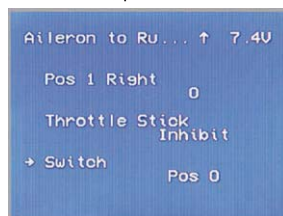


(5) Switch setting

The switch will display the current switch position.

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

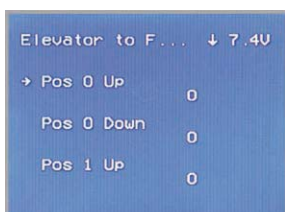
Press UP or DN to move the cursor→to point to desired item. Press ENT, the desired item whose left side will be changed into “1” from “0”. If two or more items are selected, the item “And” should be chosen, whose left side should be changed into “1” from “0”. Press EXT after finished it.



3.12 Elevator to Flap Mix

This function is used to execute the mix of elevator to flap. which is controlled by 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 Elevator to Flap Mix, press ENT to Elevator to Flap Mix setting interface. See Illustration:



(1) Pos 0 UP setting

Press UP or DN to move the cursor→to point to Pos 0 UP, press R or L upward mix value of Elevator to flap mix will be changed. The mix direction will be revised by changing the sign of plus or minus before the value. The adjustable range is ±125%.

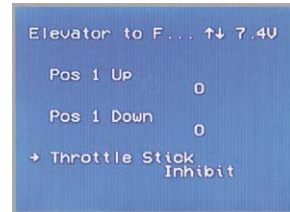
(2) Pos 0 Down setting

Press UP or DN to move the cursor→to point to Pos 0 Down, press R or L downward mix value of Elevator to flap mix will be changed. The mix direction will be revised by changing the sign of plus or minus before the value. The adjustable range is ±125%.

(3) Pos 1 setting, the setting is same as Pos 0.

(4) Throttle stick setting

The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Press UP or DN to move the cursor→to point to “Throttle Stick” setting, press R or L to change the value or inhabit. The Throttle Stick position can be set when changing the value. The default setting is “Inhabit”. The adjustable range is from 0.0% to 100.0%



(5) Switch setting

The switch will display the current switch position.

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.

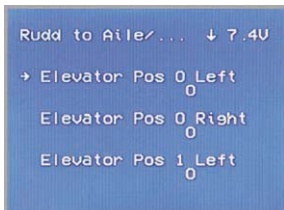


3.13 Rudder to Aileron/Elevator Mix

This function is used to execute the mix of rudder to aileron/elevator. It will help eliminate waver or shake caused by rudder stick operation.

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 Rudd to Aile/Elev Mix, press ENT to Rudd to Aile/Elev Mix setting interface. See Illustration:



(1) Elevator setting

(1.1) Elevator Pos 0 Leftward setting

Press UP or DN to move the cursor→to point to “Elevator Pos 0 Leftward setting” item, and press R or L to change the value and the Elevator mix amount when operating Rudder leftward. The mix direction will be revised by changing the sign of plus or minus before the value. The adjustable range is ±125%.

(1.2) Elevator Pos 0 Rightward setting

Press UP or DN to move the cursor→to point to “Elevator Pos 0 Rightward setting” item, and press R or L to change the value and the Elevator mix amount when operating Rudder rightward. The mix direction will be revised by changing the sign of plus or minus before the value. The adjustable range is ±125%.

(1.3) Elevator Pos 1 setting: refer to “Elevator Pos 0” setting.

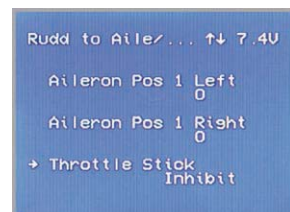
(2) Aileron setting

(2.1) Pos 0 setting: refer to “Elevator Pos 0” setting.

(2.2) Pos 1 setting: refer to “Elevator Pos 0” setting.

(4) Throttle stick setting

The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Press UP or DN to move the cursor→to point to “Throttle Stick” setting, press R or L to change the value or inhabit. The Throttle Stick position can be set when changing the value. The default setting is “Inhabit”. The adjustable range is from 0.0% to 100.0%

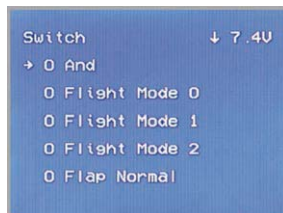
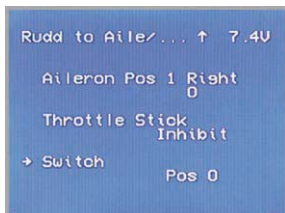


(5) Switch setting

The switch will display the current switch position.

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.

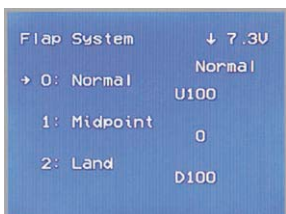


3.14 Flap System

This function can modify some effects on elevator. It is possible to set 3 status of elevator through 3-way flap control switch.

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 Flap System, press ENT to Flap System setting interface. There are 0:Normal, 1:Midpoint, 2:Land for Switch Status options. See Illustration:



(1) 0:Normal Setting:

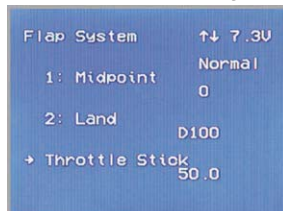
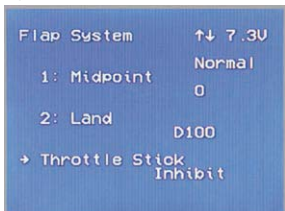
Press UP or DN to move the cursor→to point to "Elevator 0:Normal", and press R or L to change the elevator mix amount. It is possible to change the direction by altering U or D before the amount. The default setting is 0%, and the adjustable range is U125% - D125%.

(2) 1:Midpoint position: Please refer to "1.1 Elevator 0:Normal" setting

(3) 2:Land position: Please refer to "1.1 Elevator 0:Normal" setting

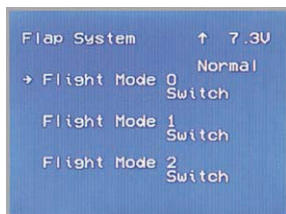
(4) Throttle Stick setting

Press UP or DN to move the cursor→to point to "Throttle stick" item, and press R or L to change value or Inhibit. It is possible to set the position when changing the value. The default setting is "Inhibit", and adjustable range is from 0.0 to 100.0%.



(5) Flight mode 0 setting

It is possible to set a certain flight mode switch automatically after automatic land. When do this, you must come to "Wing type" setting interface under the Model Menu and make corresponding Wing type setting. Please refer to 2.11 Wing type.



Press UP or DN to move the cursor→to point to "Flight Mode 0" item and press R or L to 4 positions: Switch, Normal, Midpoint, Land. It is manual control when choose "Switch", If the Automatic control is needed, please choose Flight mode switch position.

(6) Flight mode 1 setting :Please refer to "(5)Flight mode 0 setting"

(7) Flight mode 2 setting :Please refer to "(5)Flight mode 0 setting"

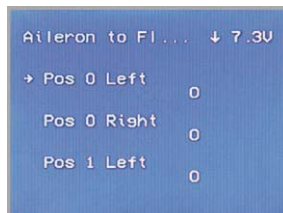
Press EXT to exit after finished.

3.15 Aileron to Flap Mix

The function aims at mixing flap when operating aileron stick, and can set switch. The flap dual channels should also be previously activated at Wing Type in Mode Menu(refer to "2.11 Wing Type")

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 Aileron to Flap Mix, press ENT to Aileron to Flap Mix setting interface. See Illustration:



(1) Pos 0 to leftward setting

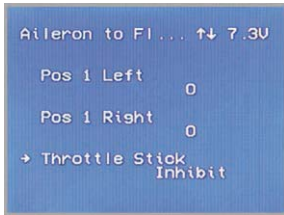
Press UP or DN to move the cursor→to point to “Pos 0 to leftward setting”, press R or L to change the leftward mix value of aileron to flap, the mix direction will be revised by changing the sign of plus or minus before the value, the adjustable range is ±125%.

(2) Pos 0 to rightward setting

Press UP or DN to move the cursor→to point to “Pos 0 to rightward setting”, press R or L to change the rightward mix value of aileron to flap, the mix direction will be revised by changing the sign of plus or minus before the value, the adjustable range is ±125%.

(3) Pos 1 to leftward setting: refer to above “(1) pos 0 to leftward setting”.

(4) Pos 1 to rightward setting: refer to above “(2) pos 0 to rightward setting”.



(5) Throttle stick setting

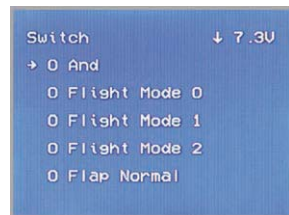
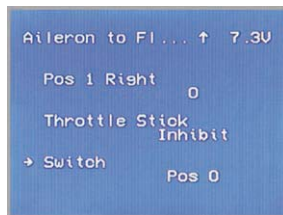
The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Press UP or DN to move the cursor→to point to “Throttle Stick” setting, press R or L to change the value or inhibit. The Throttle Stick position can be set when changing the value. The default setting is “Inhibit”. The adjustable range is from 0.0% to 100.0%

(5) Switch setting

The switch will display the current switch position.

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.



3.16 Program Mix

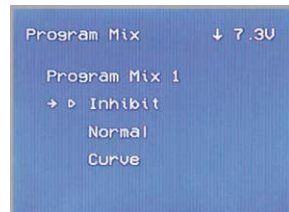
There are 8 series of program mix, mix channels and values are adjustable.

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 Program, press ENT to Program setting interface. See Illustration:

And press ENT to program mix setting and current status (default setting is “inhibit”) interface. Press R+ or L- to choose inhibited, normal or curve.

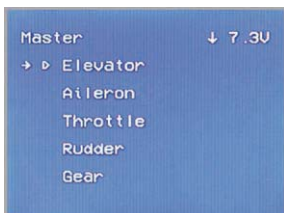
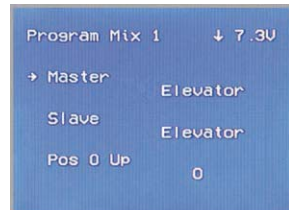
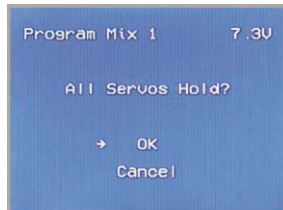
Take “program mix 1” for example, there are “normal” and “curve” setting.



(1) The “normal” setting of “program mix”

Press UP or DN to move the cursor→to point to 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 1 setting interface.



(1.1) Master channel setting

Press UP or DN to move the cursor→to point to Master Channel setting, press ENT to the Master Channel setting interface. Press UP or DN to move the cursor→to point to the desired Master Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.

(1.2) Slave channel setting:

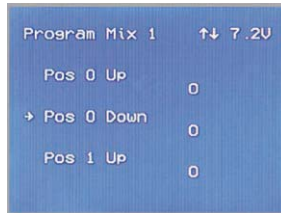
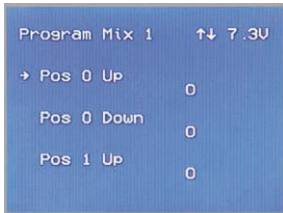
Press UP or DN to move the cursor→to point to Slave Channel setting, press ENT to the Slave Channel setting interface. Press UP or DN to move the cursor→to point to the desired Slave Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.



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

(1.3.1) Pos 0 UP

Mix amount setting when elevator stick moved upward. Press UP or DN to move the cursor→to point to Pos 0 UP setting. Press R or L to increase or decrease the mix amount separately. It is possible to reverse mix direction through changing the "+" or "-" sign before amount. The adjustable range is ±125%.



(1.3.2) Pos 0 Down

Mix amount setting when elevator stick moved downward. Press UP or DN to move the cursor→to point to Pos 0 Down setting. Press R or L to increase or decrease the mix amount separately. It is possible to reverse mix direction through changing the "+" or "-" sign before amount. The adjustable range is ±125%.

(1.3.3) Pos 1 setting: Please refer to "Pos 0 setting".

(1.3.4) 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 to move the cursor→to point to 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 "+" or "-" sign before amount. The adjustable range is ±100%.

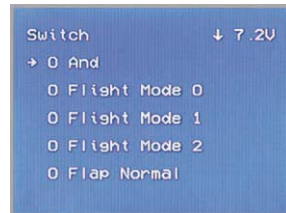


(1.4) Throttle stick setting

Press UP or DN to move the cursor→to point to "Throttle Stick" setting, press R or L to change the value or inhabit. The Throttle Stick position can be set when changing the value. The default setting is "Inhabit". The adjustable range is from 0.0% to 100.0%

(1.5) Switch setting

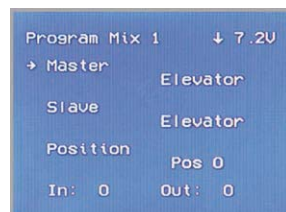
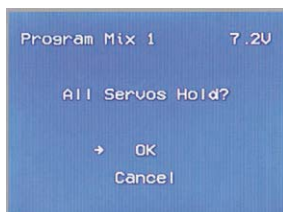
The switch will display the current switch position. Press UP or DN to move the cursor→to point to Switch, press ENT to enter interface of Switch selection; Press UP or DN to move the cursor→to point to desired item, press ENT, the desired item whose left side will be changed into "1" from "0". If two or more items are selected, the item "And" should be chosen, whose left side should be changed into "1" from "0".



After finished, press EXT to return to Program Mix interface and set other items or Press EXT again to exit.

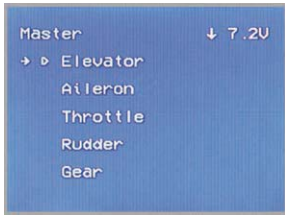
(2) Curve setting of Program Mix

Press UP or DN to move the cursor→to point to the "Curve" 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 1 setting interface.



(2.1) Master channel setting

Press UP or DN to move the cursor→to point to Master Channel setting, press ENT to the Master Channel setting interface. Press UP or DN to move the cursor→to point to the desired Master Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.



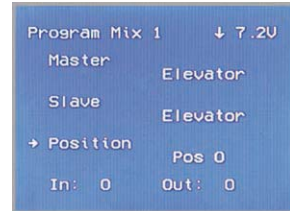
(2.2) Slave channel setting:

Press UP or DN to move the cursor→to point to Slave Channel setting, press ENT to the Slave Channel setting interface. Press UP or DN to move the cursor→to point to the desired Slave Channel, press ENT to confirm and press EXT to be back to Program Mix 1 interface.

(2.3) Position

Press UP or DN to enter to the Position setting interface after finished the Slave Channel setting(See illustration).

Position: There are two different positions for options, Pos 0 and Pos 1. Press UP or DN to move the cursor→to point to Position setting. Press R or L to change the position statuses.

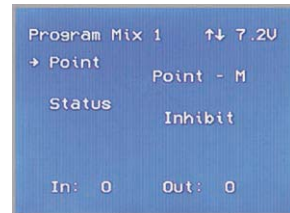


(2.4) Exponential Curve

Press UP or DN to move the cursor→to point to Exponential setting. There are ON or OFF option when you press the R+ or L- buttons. The Curve Pitch will become smoothly if the ON button is chosen. If you don't adjust the Pitch Curve Function, then choose OFF button.

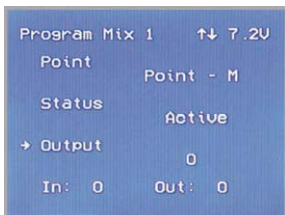
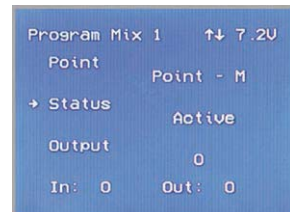
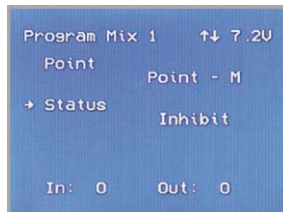
(2.5) Point

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



(2.6) Status Setting

(There is no Status options when the point is Point-L or Point-H) After selecting the point that you want to set, press UP or DN to move the cursor→to point 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).

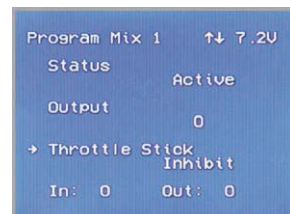


(2.7) Output

When the Status option is Active, the Output option will be listed. Press DN to move the cursor→to point to 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.

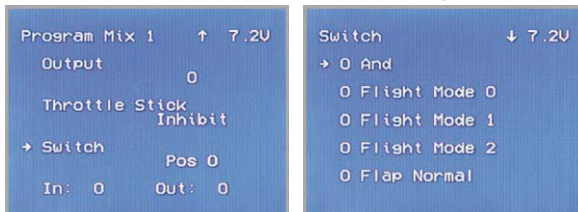
(2.8) Throttle stick setting

Press UP or DN to move the cursor→to point to "Throttle Stick" setting, press R or L to change the value or inhibit. The Throttle Stick position can be set when changing the value. The default setting is "Inhibit". The adjustable range is from 0.0% to 100.0%



(2.9) Switch setting

The switch will display the current switch position. 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”.



After finished, press EXT to return to Program Mix interface and set other items or Press EXT again to exit.

3.17 Monitor

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

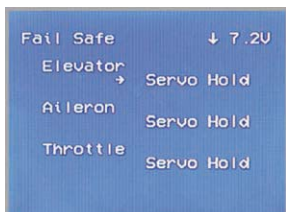
Press ENT to the Main Menu. Press UP or DN to move the cursor→to point to Function Menu, press ENT to Function Menu; Press UP or DN to move the cursor→to point to Monitor, press ENT to Monitor setting interface. See below to check the current working status of each channel.



Press EXT to exit.

3.18 Fail Safe

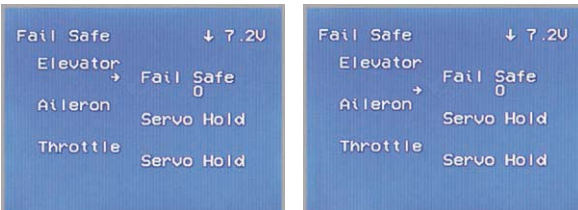
There are two possibilities for use if the transmission signal is under abnormal condition. The first one is to lock the last action data received; the second one is to execute the pre-set data which is pre-set. The default setting is Servo Hold.



Setting method:

Press ENT to 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 Fail Safe, press ENT to Fail Safe setting interface. Take the item Elevator as an example.

Press UP or DN to select Elevator on the Fail Safe interface, then press R or L to change the status of Servo Hold into Fail Safe (If you want to keep Servo hold status, there is no need to re-set). There is an expanded sub-item blow. Press UP or DN to select 0%, then press R+ or L- to increase or decrease, respectively, the position amount which centers on the neutral point of servo. The available value is 125%, respectively. 0% is the neutral point of servo.



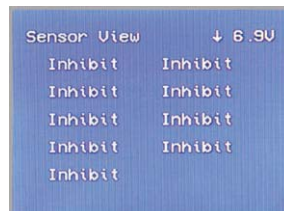
The setting methods for other channels are same as above. Press EXT to exit after finished.

Note: Checking whether all the actions when fail safe happened are correct, is a must after the setting is finished. It is dangerous to use full throttle, especially after fail safe taken place.

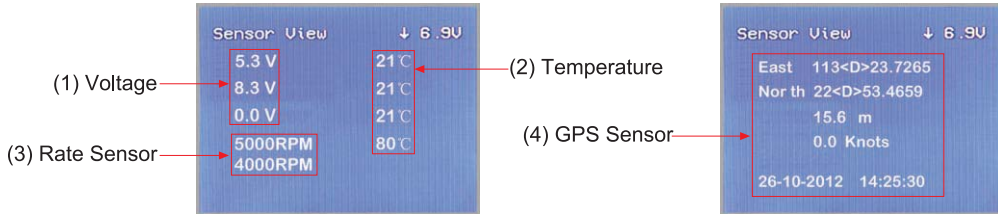
3.19 Sensor View

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 Sensor View, press ENT to Sensor View setting interface.

If all the sensors disconnect, telemetry signal lost, there will be inhibits shown on the view. If all work normal, all the measured data will be shown.



- (1) Voltage: Show 3 different measured voltage value;
- (2) Temperature: Show 4 different measured temperature value;
- (3) Rate Sensor: Show 2 different measured RPM value;
- (4) GPS Sensor: Press UP or DN to turn to GPS function, show located date, time, longitude, latitude, altitude and speed;



3.20 Trainer

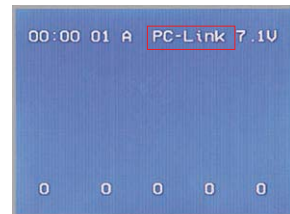
Two DEVO F7 transmitters can be made to work together in order to offer a teacher-trainer function, meeting the requirements for a beginner. The setup of training mode is described below:

(1) Model data transmission

First step is to use the DEVO F7's wireless data transmission feature to transfer the teacher's main model data to the trainee's DEVO F7 transmitter. This step guarantees that the model data in each transmitter is identical. Refer to item "2.4 model wireless copy" in the Helicopter section later in this manual. Two DEVO F7 transmitters are needed for wireless data transmission.

(2) Training connection

Insert the signal wire from the trainer's transmitter into the DSC socket of the trainee's transmitter. Turn on the transmitter and a linkage icon, PC-Link will be shown on the boot screen. Insert one end of the signal wire (included) into the DSC socket of the trainee's transmitter and turn it on. PC-Link will be shown in the trainee's DEVO F7 display (See image right).



linkage icon

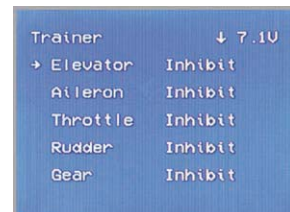
Turn on the power of the trainer's DEVO F7. Select the same model as the trainee (as transferred in the previous section) and briefly fly the aircraft to confirm the settings are good. Turn off the aircraft and turn off the trainer's DEVO F7 power. Insert the other end of the signal wire into the trainer's DEVO F7 DSC port and turn on the power once more, T-Ready will be shown in the trainee's DEVO F7 display (see image left).



(3) Trainer Function Channel Setup

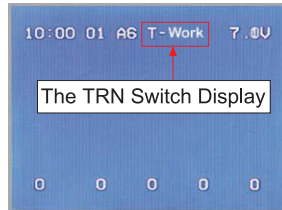
The trainee can inquire the control part or whole channel operation by setting the trainer's function channel. Here is the setup:

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 Trainer, press ENT to Trainer Function setting; Press UP or DN to move the cursor→to point to the desired setting channel, there are Elevator, Aileron, Throttle, Rudder, Gear, Flap, Aux2 channels available. Press R+ or L- to set Active or Inhibit for the choosed Channel.



(4) Training mode usage

The default setting is that the training mode switch is on the top left corner of the transmitter, named HOLD/TRN.



When flying, if the trainer operates the TRN switch, control is transferred control to the trainee; also, T-Work will be shown on the trainer's DEVO F7. The trainee's output data is displayed on the trainer's DEVO F7 screen. If the trainer operates the switch once more, the trainer regains control over all functions and channels.

Please check and familiarize yourself with the operation of the training mode before attempting flight or a training session in order to avoid miss-operation and damage/injury.

3.21 Timer

There are two timers which can be set as stopwatch and countdown, respectively. Each timer can be operated by switch or by shortcut.

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 Timer, press ENT to Timer setting interface. See the right Illustration:

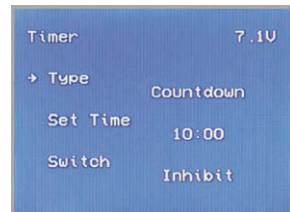


(1) Type

Press UP or DN to move the cursor→to point to Type. Press R+ or L- to choose Stopwatch or Countdown. The default setting is stopwatch. The time range of stopwatch is from 0 to 59:59 (59 minutes 59 seconds).

(2) Countdown setting

If you need countdown time manner, press R+ or L- to select the countdown. There is an expand sub-menu set time item. Press UP or DN to select the option of Set time item. Press R+ or L- to set the countdown time. The settable countdown time range is from 00:05 to 59:55.



(3) Switch selection

Press UP or DN to move the cursor→to point to Switch setting. There are Inhibit and available switch options, available switch can be selected by press L- or R+. It includes FMODE SW12, FMODE SW 2, MIX SW12, MIX SW 2, D/R SW, HOLD SW, GEAR SW, SPS0 SW, SPS1 SW, SPS2 SW, SPS3 SW. We can select the desired item except these items of SPS0 SW, SPS1 SW, SPS2 SW, and SPS3 which should be previously set at Stick Position Switch at Model Menu(refer to "2.8 Stick Position Switch"). Press EXT to exit.

(4) Usage of timer

Press UP or DN by pressing UP key for one time, and to pause it by pressing it the second time. Press DN to clear timer. It's ok to control time by Switch when time setting is finished on switch. Timer will be shown in main interface, as below illustration:



4.0 Upgrading

Software can be upgraded in PC via downloading or uploading the configuration files.

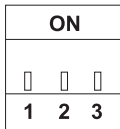
Enter upgrading interface: Press EXT and power on the radio when the radio is in powered off state, the illustration will be shown as below.



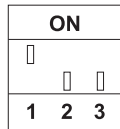
The operation guide for connecting to PC upgrading should be mentioned with upgrading software.

5.0 5.8G Transmitting channel selection

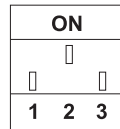
There are 8 different channels can be selected. You can choose the best frequency channel according to the image quality like follows:



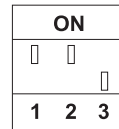
Channel 1
code position



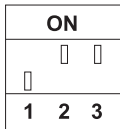
Channel 2
code position



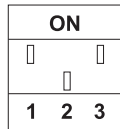
Channel 3
code position



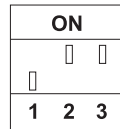
Channel 4
code position



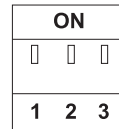
Channel 5
code position



Channel 6
code position



Channel 7
code position



Channel 8
code position



This symbol indicating separate collection for electrical and electronic equipment.

FCC Information

This device complies with part 15 of the FCC results. Operations is subject to the following two conditions:

- (1) This Device may not cause harmful interface, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to part 15 of FCC Rules. These Limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, users can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment dose cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try contact the interference by one or more of the following measures:

- 1.1 Reorient or relocate the receiving antenna.
- 1.2 Increase the separation between the equipment and receiver.
- 1.3 Connect the equipment into an outlet on a circuit different from that two which receiver is connected.
- 1.4 Consult the dealer or experienced radio/TV technician for help.

WARNING

Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

RF exposure statement

This module meets the requirements for a mobile device that may be used at separation distances of more than 20cm from the human body. It may be used in hand-held controllers that provide a separation distance of at least 5cm between the antenna and the body (excluding hands wrists). The instructions to the user for the host device must include information requiring the product be used in a manner to ensure the appropriate separation (20cm or 5cm) between antenna and body and requiring that the transmitter not be collocated with another transmitter device.