3.9 Gyro sensor

This function offers the gain adjustment for gyro sensor, which can be manually set through D/R 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 "2.8 Device select").

Setting method:

Touch the icon to enter Function Menu, and then touch the icon to enter gyro sensor interface.

(1) Manual setting

(1.1) Mode selection

Touch the navigation mark of Mode and expand into two options: Manual and Automatic. Select Manual.

(2.2) Switch selection

Touch the navigation mark of Switch and expand into four articles: FMOD SW, MIX SW, D/R SW, and GEAR SW.

(2.3) Channel setting

It is possible to alter channels by choosing in the item of Device Output (refer to"2.9 Device Output").

(2.4) Gain adjustment

There are total three levels for respective setting: Pos 0, Pos 1, and Pos 2.

(1.4.1) Pos 0

Touch the left or right navigation of the flight mode you want to adjust to decrease or increase, respectively, the value with a range of 0.0% - 100.0%.The factory setting is 50.0%

If the gyro used has two modes of NOR and AVCS, NOR will be activated when the value is less than 50.0%, and AVCS activated when above 50.0%. In NOR mode, the smaller the value is, the bigger the sensitivity will be; in AVCS mode, the bigger the value is, the bigger the gyro sensor gain will be.

(1.4.2) Pos 1

Refer to the step of "(1.4.1) Pos 0".

(1.4.3) Pos 2

Refer to the step of "(1.4.1) Pos 0".

(2) Automatic setting

(2.1) Mode selection

Touch the navigation of Mode and expand into two options: Manual and Automatic. Select Automatic.

(2.2) Channel output

The channel control can be set in the interface of Device Output (Refer to "2.10 Device Output").

(2.3) Flight mode selection

All the flight modes are shown in the right interface which includes Flight Mode 0, Flight Mode 1,and Flight Mode 2.Click the left or right navigation mark of the flight mode, which you want to automatically adjust, to decrease or increase the amount of gyro gains, respectively. If the gyro you use has two modes of NOR or AVCS, when the amount is less than 50.0%, NOR mode will be activated. The lesser the amount is, the bigger the gyro gain becomes. The default setting is 50.0%.

Click the icon to exit.

3.10 Aileron to Rudder Mix

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

Setting method:

Touch the icon to enter Function Menu, and then click the icon to enter the aleron to rudder mix interface.

(1) Pos 0 Setting

Touch the left or right navigation mark of Left to change the value, and 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%.

Touch the left or right navigation mark of Right to change the value, and the 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%.

(2) Pos 1 setting

The setting is same as above.

(3) Throttle stick setting

The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Touch the left or right navigation mark of Throttle Stick to set the position amount of throttle stick. The default setting is Inhibit. The adjustable range is 0.0-100.0%.

(4) Switch setting

Touch the navigation mark of Switch and expand a dropdown menu including some selectable items. Click the desired item and "0" before the item will be changed into "1". If two or more items are selected, the item And should be selected. Then touch the navigation mark to return back.

Click the icon to exit after finished.

3.11 Elevator to flap mix

This function is used to execute the mix of elevator to flap.

Setting method:

Touch the icon to enter Function Menu, and then click the icon to enter the elevator flap mix interface.

(1) Pos 0 setting

Touch the left or right navigation mark of Up to change the value, and upward mix value of elevator to flap 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%.

Touch the left or right navigation mark of Down to change the value, and the downward mix value of elevator to flap 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 1 setting

The setting is same as above.

(3) Throttle stick setting

The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Touch the left or right navigation mark of Throttle Stick to set the position amount of throttle stick. The default setting is Inhibit. The adjustable range is 0.0-100.0%.

(4) Switch setting

Touch the navigation mark of Switch and expand a dropdown menu including some selectable items. Click the desired item and "0" before the item will be changed into "1". If two or more items are selected, the item And should be selected. Then touch the navigation mark to return back.

Click the icon to exit.

3.12 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:

Touch the icon to enter Function Menu, and then click to enter the elevator to aileron/elevator mix interface.

(1) Elevator setting

(1.1) Pos 0 setting:

Touch the left or right navigation mark of Left at Pos 0 to change the value, and the leftward mix value of rudder to elevator will be changed.

Touch the left or right navigation mark of Right at Pos 0 to change the value, and the lrightward mix value of rudder to elevator 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%.

(1.2) Pos 1 setting

Setting is same as above.

(2) Aileron setting

Setting is same as above.

(3) Throttle stick setting

The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Touch the left or right navigation mark of Throttle Stick to set its position amount. The default setting is Inhibit. The adjustable range is 0.0-100.0%.

(4) Switch setting

Touch the navigation mark of Switch and expand a dropdown menu including some selectable items. Click the desired item and "0" before the item will be changed into "1". If two or more items are selected, the item And should be selected. Then touch the navigation mark to return back.Click the icon to exit after finished.

3.13 Flap system

This function can modify some effects on elevator. It is possible to set three statuses of elevator and three statuses of flap, respectively, through three-way flap control switch.

Setting method:

Touch the icon to enter Function Menu, and then click the icon to enter Flap System.

(1) Elevator setting

There three options: 0: Normal, 1: Midpoint, and 2: Land.

(1.1) 0: Normal position

Touch the navigation mark of Normal to change the mix amount. It is possible to change the direction by altering D or U before the amount. The default setting is 0%, and the adjustable range is U125% to D125%.

(1.2) 1: Midpoint

The setting is same as above.

(1.3) 2: Land

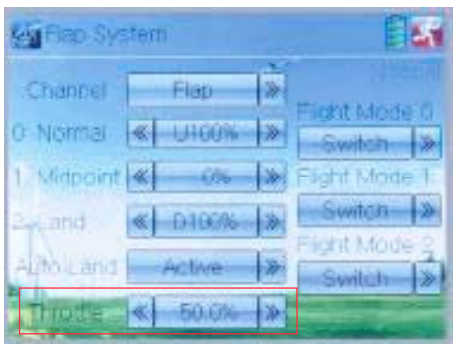
The setting is same as above.

(2) Flap setting

The setting for Flap is same as Elevator.

(3) Auto land

Touch the navigation mark of Auto Land, and expand a dropdown menu including Inhibit and Active. If select Active, another sub menu Throttle will be shown under Auto Land.



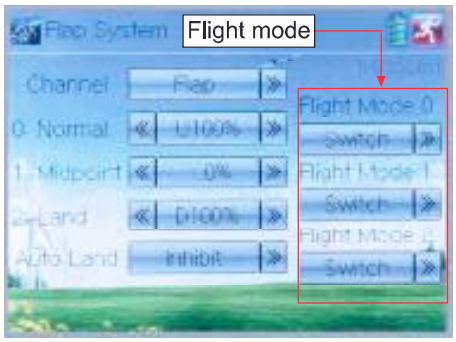
(3.1) Throttle stick position setting

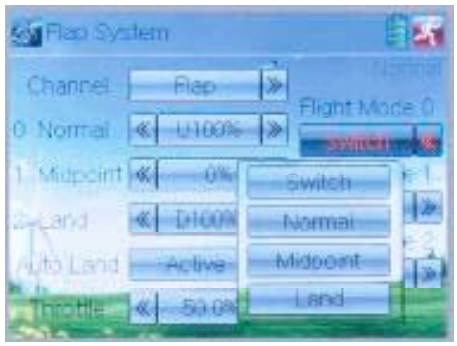
Touch the navigation mark of Throttle to set the thottle stick position.The adjustable range is 0.0-100.0%.

(3.2) Flight mode setting

Auto landing switch can be set in a certain flight mode. This setting should be previously set in Wing Type at Model Menu. Refer to “2.10 Wing Type”.

Touch the navigation mark of the selected flight mode, and pops up a menu with Switch, Normal, Midpoint, and Land.





The selected item will be shown in the corresponding flight mode. Select Switch for manual control of landing.

Click the icon to exit.

3.14 Aileron to flap mix

This function can execute the mix of aileron to flap, and can also set switch. The flap dual channels should be previously set in Wing Type at Model Menu (Refer to “2.10 Wing Type”).

Setting method:

Touch the icon to enter Function Menu, and then click the icon to enter the aileron to flap mix interface.

(1) Pos 0 setting

Touch the left or right navigation mark of Left at Pos 0 to change the leftward mix value of aileron to flap.

Touch the left or right navigation mark of Right at Pos 0 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%.

(2) Pos 1 setting

The setting is same as the above.

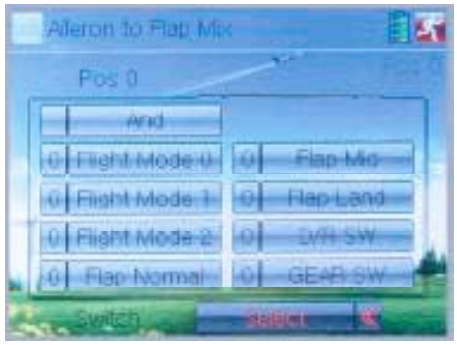
(3) Throttle Stick setting

The switch between Pos 0 and Pos 1 can be realized by setting the position of throttle stick. Touch the left or right navigation mark of Throttle Stick to set the position amount of throttle stick. The default setting is Inhibit. The adjustable range is 0.0-100.0%.

(4) Switch setting

Touch the navigation mark of Switch and expand a dropdown menu including some selectable items. Click the desired item and "0" before the item will be changed into "1". If two or more items are selected, the item And should be selected. Then touch the navigation mark to return back.

Click the icon to exit.



3.15 Program mix

There are total eight sets of Program Mix. It is possible to freely set the channels and amounts which you want to select and amend, respectively.

Setting method:

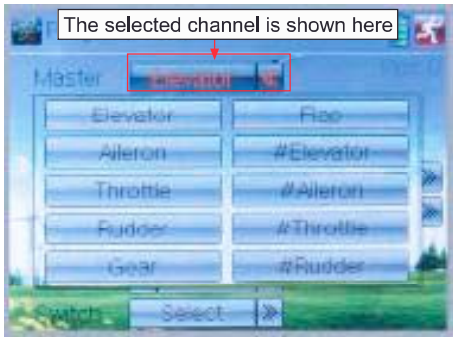
Touch the icon to enter Function Menu, and then click to enter the program mix interface. Eight Program Mix names and their current statuses are shown (the factory default setting is Inhibit). Take Program Mix 1 as an example to show how to use.

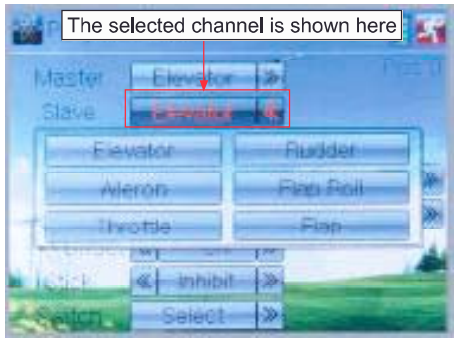
(1) Setting method for Normal in Program Mix 1

Touch the item Normal in Program Mix 1 and expands an enquiry "All Servos Hold?" Click OK for all the servos will be locked at the current statuses; click Cancel for unlocked. Enter the next interface after clicking.

(1.1) Mater channel setting

Touch the navigation mark of Master and expands a selectable dropdown menu. After clicking the desired channel,its name will be shown in Master.





(1.2) Slave channel setting

Touch the navigation mark of Slave and expands a selectable dropdown menu. Click the desired channel which will be shown in Slave.

(1.3) Gain setting

The item Gain includes Pos 0,Pos 1,and Offset.Take Elevator at Master as an example.

(1.3.1) Mix amount setting at Pos 0 when elevator stick moved upward

Touch left or right navigation mark of Up to decrease or increase, 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) Mix amount setting at Pos 0 when elevator stick moved downward

Touch left or right navigation mark of Down to decrease or increase, 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%.

(1.3.3) The settings at Pos 1 and Offset are same as above.

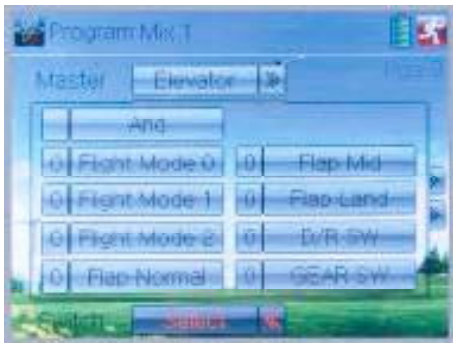
(1.4) Throttle stick setting

Touch the navigation mark of Throttle Stick to set its position as a free switch. The adjustable range is 0.0-100.0%.

(1.5) Switch selection

Touch the right navigation mark of Switch and pop up a dropdown menu which contains the adjustable items. Click the desired switch. Then touch the right navigation mark to return the previous interface.

Click the icon to return to the interface of Program Mix for other setting, or click the icon once again to exit.



(2) Setting method for Curve in Program Mix2

Touch the item Curve in Program Mix 1 and expands an enquiry “All Servos Hold?” Click OK for all the servos will be locked at the current statuses; click Cancel for unlocked. Enter the next interface after clicking.

(2.1) Master channel setting

Touch the navigation mark at master control and expand a selectable dropdown menu. Select the desired channel and its name will be shown in Master.Click the navigation mark of Master to return to the Program MIX 1 interface.

(2.2) Slave channel setting

Touch the navigation mark of Slave and expand a selectable dropdown menu. Select the desired channel and its name will be shown in Slave.Click the navigation mark of Master to return to the Program MIX 1 interface.

(2.3) Position selection

There are two options: Pos 0 and Pos 1. Select the desired position by touching the navigation mark.

(2.4) Exponential

Touch the navigation mark of Exponential and expand a dropdown menu with two options of Off and On. The pitch curve will be smoothly changed if On chosen,and chand in the form of fold line if Off chosen.

(2.5) Point setting

Touch the navigation mark of Point and expand a dropdown menu with seven points. Click the point you want to set, and then touch the navigation mark to return.

(2.6) Status setting

Touch the navigation mark of Status and expand a dropdown with two options of Inhibit and Active. Touch Inhibit for unchanging the current amount (the default setting is Inhibit); click Active for changing the amount,and a popup of Output will be follwed below.

(2.7) Output

Touch the left or right navigation mark of Output to decrease or increase, respectively, the output amount with a range of ±100%. It is possible to reverse the mix direction by changing the plus or minus sign before the amount.

(2.8) Throttle

Touch the navigation mark of Throttle to set the position, which the throttle stick is set as switch to freely automatically switch.

(2.9) Switch

Touch the navigation mark of Switch and expand a usable dropdown menu. Select the desired switch, and then click the navigation mark to return.

Click the icon to return to the interface of Program Mix for other setting, or click the icon once again to exit.

3.16 Monitor

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

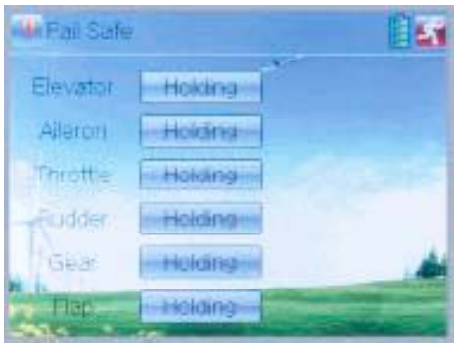
Touch the icon to enter Function Menu, and then click the icon to enter the monitor interface for checking the current working status of each channel.Click to the icon exit after finished.

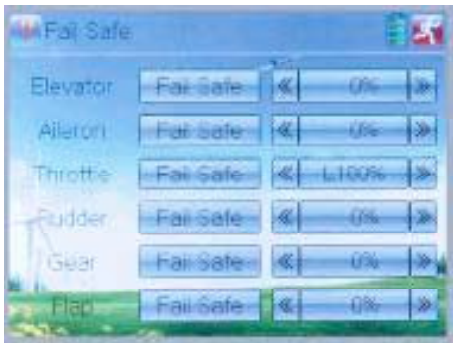
3.17 Fail safe

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:

Touch the icon to enter Function Menu, and then click to enter the interface of Fail Safe.





Take the item Elevator as an example to explain.

(1) Elevator setting:

Touch the item Elevator (it is unnecessary to set if Elevator is at Servo Hold) and expand a sub-item in its right. Click the left or right navigation mark to decrease or increase, respectively, the position amount which centers on the neutral point of servo. The settable range is 125%, and 0% is the servo's neutral position.

(2) The setting methods for other channels are same as above.

Click the icon 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.

3.18 Trainer

Two DEVO-6 transmitters working together can execute the training function to meet the requirements for the beginner. The setting method is shown as below:

(1) Data copy

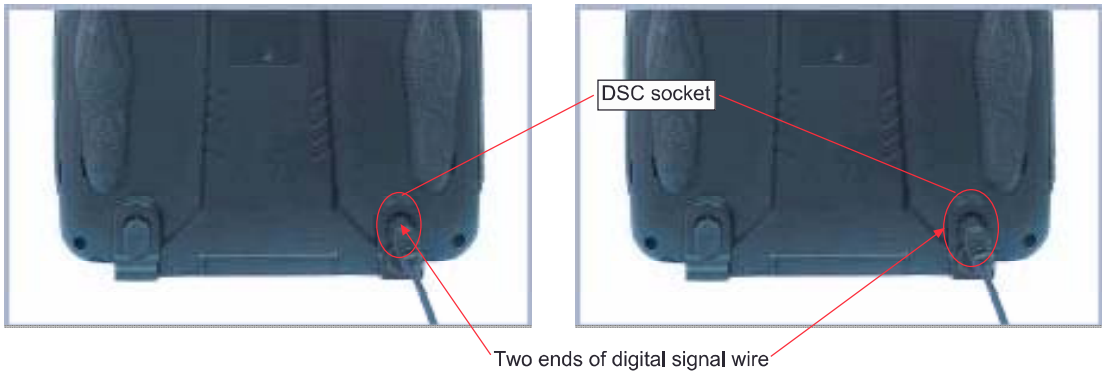
Using the wireless copy function of two DEVO-6 transmitters, the model data saved in the trainer's one can be transmitted to the trainee's to ensure that the model parameters are exactly same. Regarding the copying method, refer to "2.4 Model Wireless Copy" at "Part Two: Helicopter". Then follow the steps below:

(2) Linkage

Insert one end of the signal wire into DSC socket at the rear face of the trainee's DEVO-6, and then turn on the power. A linkage icon will be shown on the boot screen. Find out the trainee's model data at its DEVO-6.

Turn on the power of the trainer's DEVO-6. Find out the trainee's model data, and let the trainer's DEVO-6 bind with the helicopter model and fly it normally. Then turn off the power.

Insert the other end of the digital signal wire into the trainer's DEVO-6, and then turn on its power. A linkage icon will be shown as below:



Training status display: when the trainer's icon becomes into "X", the trainee stops flying and the trainer is working; when the trainer's icon turns into "√", the trainee is flying and the trainer is in leisure.

(3) Usage method

The traning switch can be freely wirchable. Take "GEAR" switch as an example. Shown as below:

During the flight, if the trainer pushes " GEAR" switch backward, the linkage icon will be shown as "√" that means the control right is moved to the trainee. If trainer pushes " GEAR " switch aain, the linkage icon will be shown as"X" that means the trainer take back the control right.

(4) Setting for training function switch

Touch the shortcut icon to enter Function Menu, and then click to get access to Trainer screen. The available channels are shown below, and the current status of trainer switch TRN is also shown there.

(5) Setting for training function channels

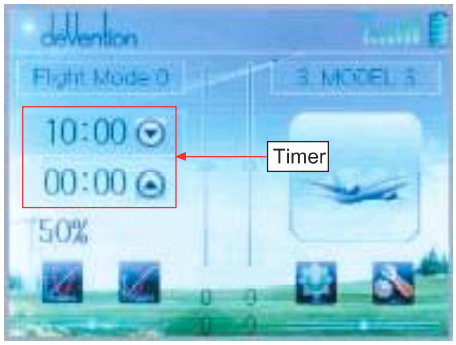
Trainee is available to get full or part of flight control power to the aircraft model via setting the training function channel in the trainer's DEVO-6. Below is the setting method:

Touch the channel(s) which you want to grant to trainee. The channel(s) you have touched will be activated as "Active". The channels which are not granted to trainee will be kept inhibited. The default setting is "Inhibit".

Touch to exit.

3.19 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:

Touch the icon to enter Function Menu, and then click the icon to enter the interface of Timer.

(1) Setting for Timer 1

(1.1) Timer 1 setting

Touch the navigation mark of Timer 1 and expand a dropdown of Stopwatch and Countdown. Select the desired timing method. The timing range of stopwatch is from 0 to 59:59 (59 minutes 59 seconds).

Stopwatch view

Countdown view

Take countdown manner as an example to explain.

(1.2) Switch selection

Touch the navigation mark of Switch and get a selectable dropdown.

(1.3) Set time

The settable countdown time range is from 00:05 to 59:55.

(2) Setting for Timer 2 is same as that for timer 1.

Touch the icon to exit after finished.

This symbol indicating separate collection for electrical and electronic equipment.

FCC Information

This device complies with Part 15 of the FCC Results. Operation 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, uses and 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 does 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 correct 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 to 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 transmitting device.

The specifications of the R/C Product may be altered without notice.

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