Take countdown manner as an example to explain:

(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).

(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.

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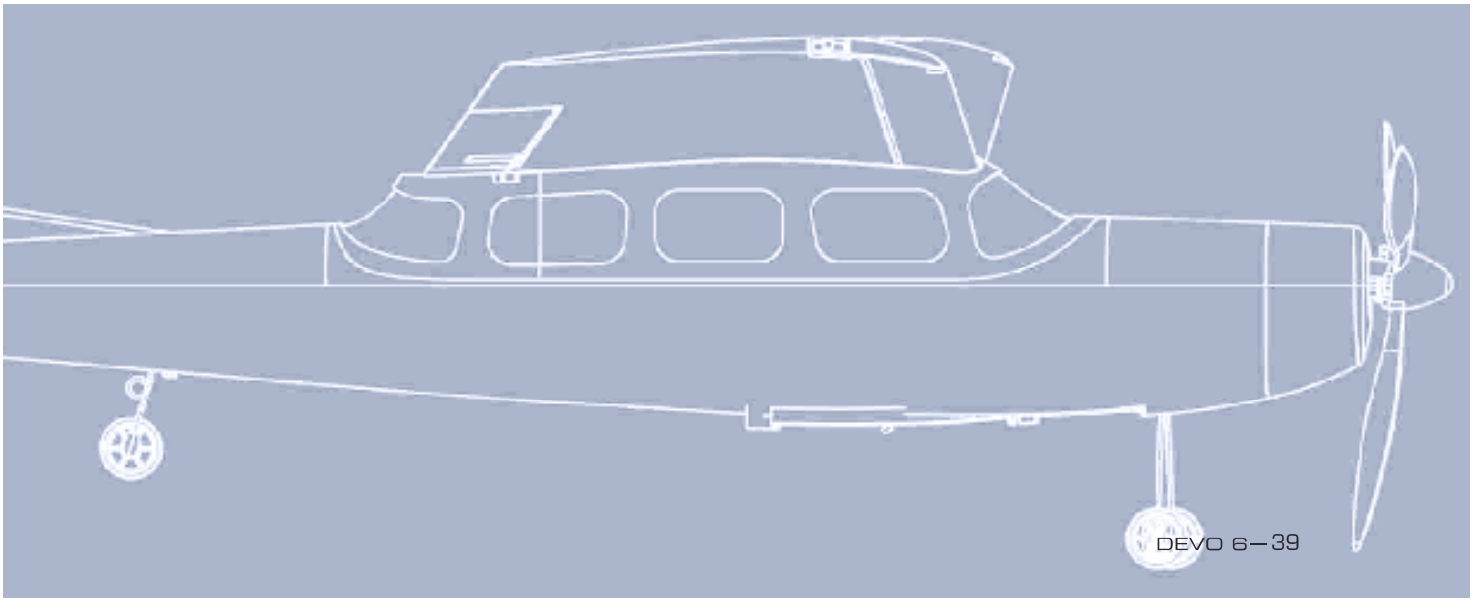
DEVO 6

Part three

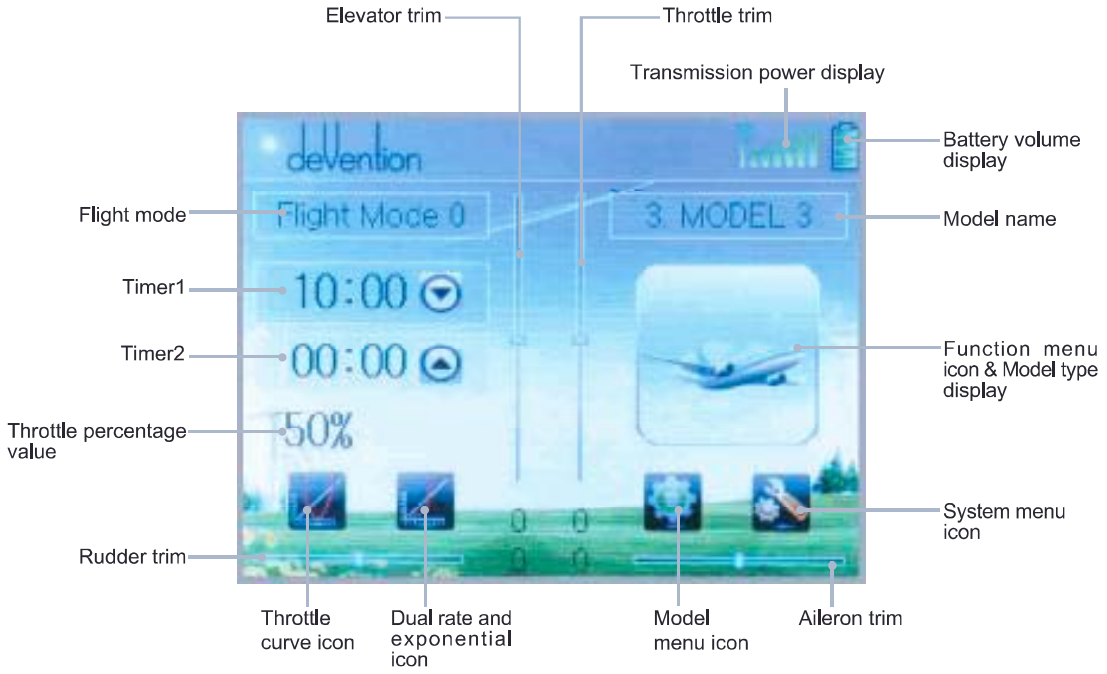
All the functional settings, which are relative to the operation system of DEVO-6 itself, are fully integrated in System Menu. They include Language, Display, Buzzer, Touch Screen Calibration, Stick Mode, Stick Calibration, and About.

Airplane



1.0 System menu

The boot screen of airplane is shown as below:



1.1 Language setting

Touch the shortcut icon to enter System Menu and then touch to enter Language. Touch the language that you want to select. A "√" will be shown on the screen after selected.Then touch to save and exit.

1.1 Language setting

1.2 Display

1.2 Display

Touch the shortcut icon to enter System Menu and then touch the icon to enter "Display".

Three items are available to be set as below:

(1) Backlight brightness: the backlight brightness can be adjustable by touching the navigation marks. The power consumption will be increased if the backlight lightness is too bright and the battery cruise duration will be shortened.

(2) Backlight time out: it is possible to set the duration which LCD stays at highlight in the form of Always on and duration from 5 to 60 seconds with an interval of 5 seconds.

(3) Power save time: it can adjust the backlighting duration by turning off the backlight in order to prolong the battery cruise time. The setting status contents Always On and duration in 30 grades with an interval of 1 minute.

Touch to exit.

1.3 Buzzer warning

Touch the icon to enter System Menu and then touch to enter Buzzer interface.

(1) Buzzer switch: touch the navigation mark at Buzzer Switch and pop up an alternative item: Off and On. If touch On, a drop-down menu will be shown below.

(2) Throttle stick: under Buzzer Switch is at the status of On, if Throttle Stick is set as "Active", a relative musical scale will make response when moving the throttle stick. You can judge the position of the throttle stick according to the different musical scales. Also, it can be set as Inhibit.

(4) Buzzer tone: the tone is composed of 10 grades. You can choose the favorite tone according to your interests. Touch Test to make a listening test.

Touch to exit after finished.

1.4 Touch screen calibration

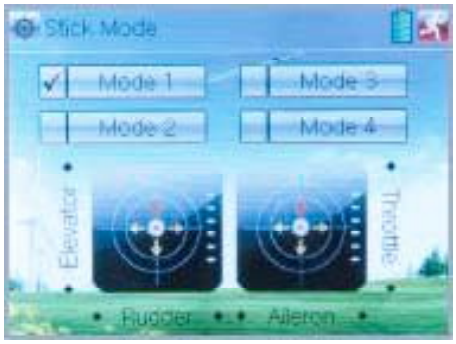
Touch the icon to enter System Menu and then touch to enter Touch Screen Calibration.

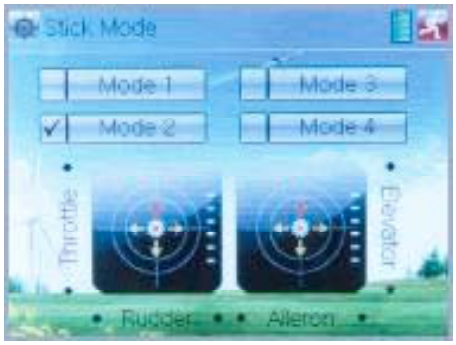
Click anywhere on the screen to start calibration with the touch pen, and then follow the indication to calibrate. It will automatically return to System Menu after the calibration is finished.

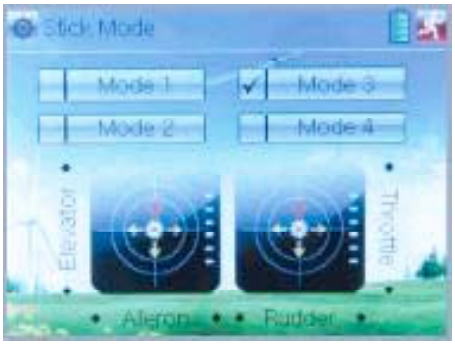
1.5 Stick mode

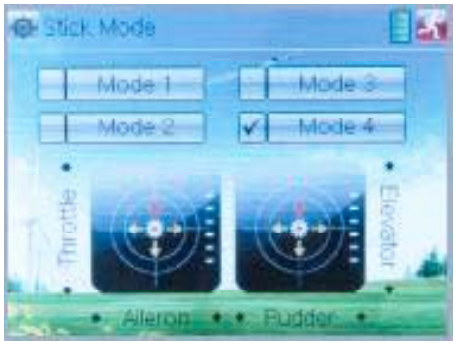
Touch the icon to enter System Menu, and then touch the icon to enter Stick Mode.

There are four stick modes from MODE 1 to MODE 4. Select the stick mode you desire and then touch the icon to exit.









1.6 Stick Calibration

Touch the icon to enter System Menu and then touch the icon to enter Stick Calibration. There are two items in the interface: Stick Direction and Stick Calibration.

(1) Stick direction: there are four options: Elevator, Aileron, Throttle, and Rudder. Click the item, which you want to reverse, to change the output direction of the stick. The default setting is Normal.

(2) Stick calibration: if variance happened in sticks , it would be calibrated via this option.

Method for calibration:

Click the display item of Start to enter the status of calibration, and Start will be turned into Stop.

(2.1) Stick calibration: Clockwise or counter clockwise mechanically move the right stick and left sticks from their minimum levels to their maximum levels several times, and then return the sticks to the neutral positions, respectively.

(2.2) Click the display item of Stop. If the calibration is finished, “Calibration success!” will be shown on the lower of the screen. If the calibration is failed, “Calibration error! Please try again!” will be shown instead. It needs to be calibrated again.

(2.3) Re-calibration: directly repeat the said steps 2.1 and 2.2 in the failure interface.

Touch the icon to exit.

1.7 About

Touch the icon to enter System Menu and then touch to get access to the about interface. You can check the versions of hardware and software.

Click the icon to exit.

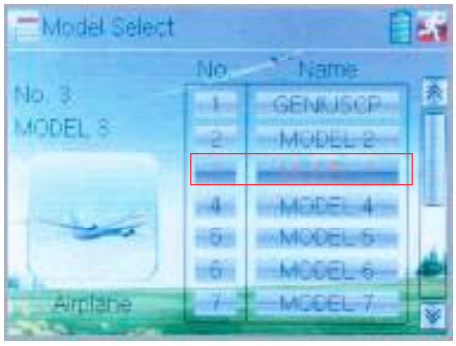
2.0 Model menu

Model Menu manages all the model data saved in DEVO-6. It includes Model Select, Model Name, Model Copy, Model Transmit, Model Receive, Model Reset, Type Select, Trim System, Device Select, Device Output, Wing Type,Power Amplifier and Fixed ID.

2.1 Model select

Touch the icon to enter Model Menu and then click the icon to enter Model Select.

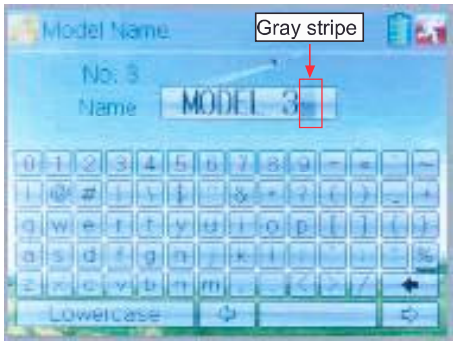
Touch the model you desire. The selected model is changed in orange color. Then click the icon to exit.



2.2 Model name

In the menu of Model Name, you can make a desired name for your model for long term storage. Its data can be directly withdrawn in the next flights.Repeat the step “2.1 Model Select” to choose the model you want to name or save. And then touch the icon to exit.

Click the icon to enter System Menu and then click the icon to get the model name interface. The following is the interface:



Click the right blank frame of Name and a gray stripe will be shown in the frame. Touch the return key to clear up the old name.Touch the soft keyboard to input a new name. It is possible to switch between lowercase and uppercase by clicking the key .Then touch to exit.

2.3 Model copy

Touch the icon to enter Model Menu and click to enter Model Copy.

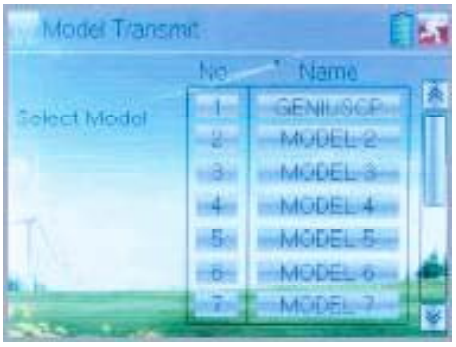
Choose the model you want to be copied as source model. The serial No. and model name of Source Model will be shown in the left side of the interface.

Then touch the model in the right list where you want to locate the source model. The serial No. and name of the model you chose are shown under Dest Model in the lower left of interface as well as an enquire "Are you sure?" is popped up.

Click OK to copy. Otherwise click Cancel. Then the interface will be automatically returned to Model Menu. Click to save and exit.

2.4 Model wireless copy

The model data between two DEVO-6 equipments can be wirelessly copied via Model Transmit and Model Receive in Model Menu.

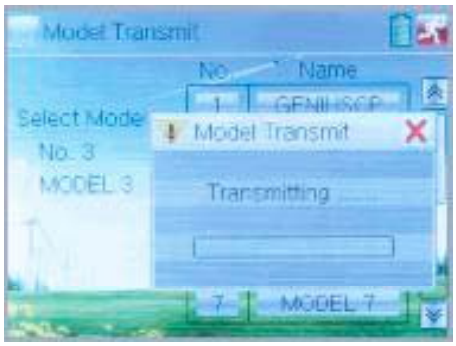


(1) Model transmission

Touch the icon to enter Model Menu and then continue to click the icon to enter Model Transmit.

Choose the source model which will be transmitted. The serial No. and name of the source model will be shown under Select Model in left side of the interface as well as enquiry information "Are you sure?" in the right side.

Click OK for transmission or Cancel for rejection. Enquiry information "Transmitting . . . . . " appears after clicking OK. Touch the icon to exit.



(2) Model receiving

Touch the shortcut icon to enter Model Menu and then touch the icon to enter the model receive interface. Enquiry information “Are you sure?” is shown in the center of the interface.

Click Ok for receiving or Cancel for rejection. “Connecting . . . . . ” and “Receiving . . . . . ” will be shown in series in the interface. The information of “Received” with the model name will be shown in left side after receiving is finished.

Choose the save position in the right name list by touching. Enquiry information “Are you sure?” is shown after clicking the save position. Click OK for save and the current interface will automatically return to Mode Menu. Click Cancel for rejection.

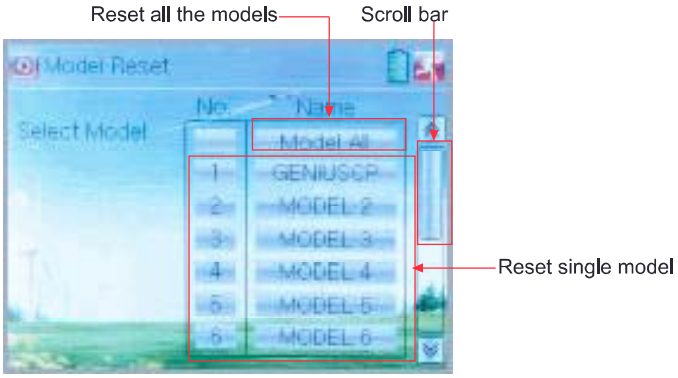
Touch the icon to exit.

2.5 Model reset

All the model data can be restored to factory settings via Model Reset.

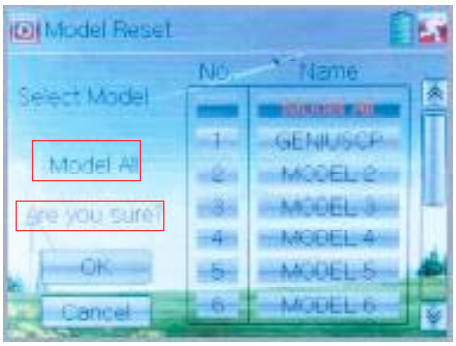
Touch the icon to enter Model Menu and then click to enter Model Reset.

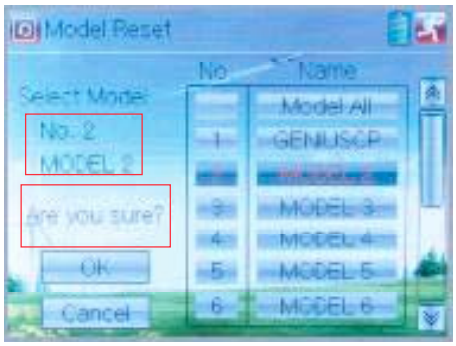
It is possible to store up to 12 models data in the model list of DEVO-6 equipment. There are two methods to reset the model data: batch reset and single reset.



(1) Method for batch reset

Touch "All Models" in Model Reset interface. Then ‘’All Models” and enquiry “Are you sure?” appear in the left side. Click OK for reset, or Cancel for rejection.





(2) Method for single reset:

Touch the upper or lower navigation mark to move the scroll bar, and then choose the model you want to restore in the model name list. The selected model’s name and serial No, and an enquiry “It is in use! Are you sure?” appear in the left side. Click OK for reset, or Cancel for rejection.

Click the icon to exit.

2.6 Type select

This device offers two model types menu. They are helicopter and airplane.

Touch the icon to enter Model Menu and then click to enter Type Select.Choose the model type and then touch the icon to exit.

2.7 Trim system

Trim System is able to finely tune the following four items, respectively: elevator, aileron, rudder, and throttle. The trim range is covered from 1 to 20 grades (factory default is set at 4). It is convenient to subtly modify the pitch by adjusting the trim range.

Touch the icon to enter Model Menu and then click to enter Trim System .

Touch the corresponding navigation mark to change the trim value. The bigger the trim value is, the bigger the trim range will be.

For elevator, aileron, and rudder, there are two more options: Normal and Limited. "Normal" means the trim is always working although the corresponding stick stays anywhere. "Limited" means the trim is out of working when the corresponding stick is at maximum position.

Click the icon to exit.

2.8 Device select

This setting can help you configure various functional switches, or adjust levers according to your flight habits. It includes Flight Mode Switch, Flight Mode Trim , Throttle Hold Switch, and Flap Switch Select .

Setting method:

Touch the icon to enter Model Menu, and then click the icon to enter Device Select.

(1) Flight Mode Switch

Touch the navigation mark of Flight Mode Switch to expand into a dropdown menu. Choose the mode switch you desire. The factory default setting is Inhibit.

(2) Flight Mode Trim Select

There are two modes: Common and Flight Mode. In Common mode all the trim values, to which various sticks are relative, put equally effects on all the flight modes.

In Flight Mode, the trim values to which each stick is relative put, respectively, effect on the corresponding stick. The factory default is Common.

(3) Throttle Hold Switch

Touch the navigation mark of Throttle Hold Switch to expand into a dropdown menu. Choose the mode switch you desire. The factory default setting is D/R.

(4) Flap Select Switch

Touch the navigation mark of Flap Select Switch to expand into a dropdown menu. Choose the mode switch you desire. The factory default setting is MIX SW.

touch the icon to exit.

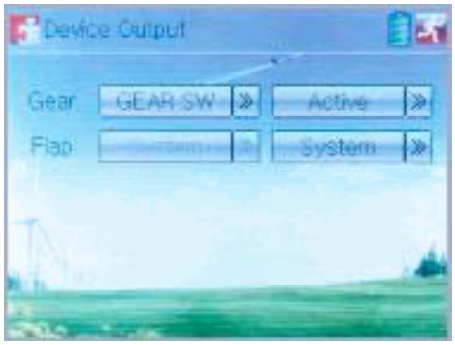
2.9 Device Output

Device output is composed of two items. It can set up output switches. It can also activate, inhibit or use other functions.

Setting method:

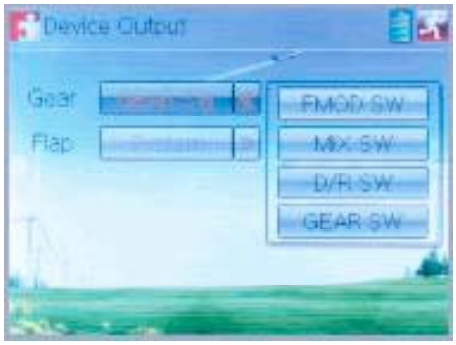
Touch the icon to enter Model Menu and then click to enter Device Output.

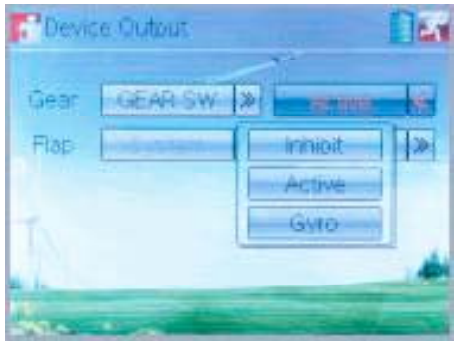
There are two items to be adjustable .They are GEAR,FLAP, The setting methods for them are shown below:



(1) Gear

Touch the left column navigation mark of Gear and pop up an expansion including FMOD SW, MIX SW, D/R SW, and GERA SW. Touch the desired item. The default setting is GEAR SW.



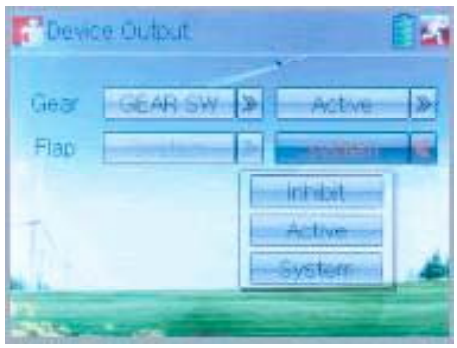


Touch the right column navigation mark of Gear. Pop up an expansion including Inhibit, Active, Gyro. Touch the desired item. The default setting is Active.

(2) Flap

There will show the switch option only after the right column of Flap is selected. Touch the right column of Flap and expand a dropdown menu including Inhibit, Active, and System.

(2.1) If choose Inhibit or Active, the expansion menu will include these items: FMOD SW, MIX SW,D/R SW and GEAR SW. The default setting is MIX SW. Select the desired item as the flap switch.



(2.2) If System is chosen, it means default setting MIX SW be choosed.

touch the icon to exit.

2.10 Wing type

Wing Type is grouped into Flaperon, DLETA and V Tail.

Wing type selection:

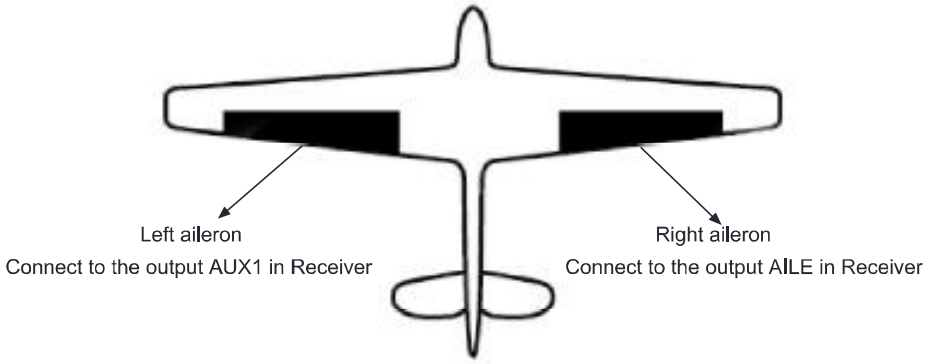
Touch the icon to enter Model Menu, and then touch to enter the wing type interface.

(1) Flaperon

Touch the navigation mark of Wing Type and expand a dropdown menu with Normal, Flaperon and DELTA. Choose the desired wing type.

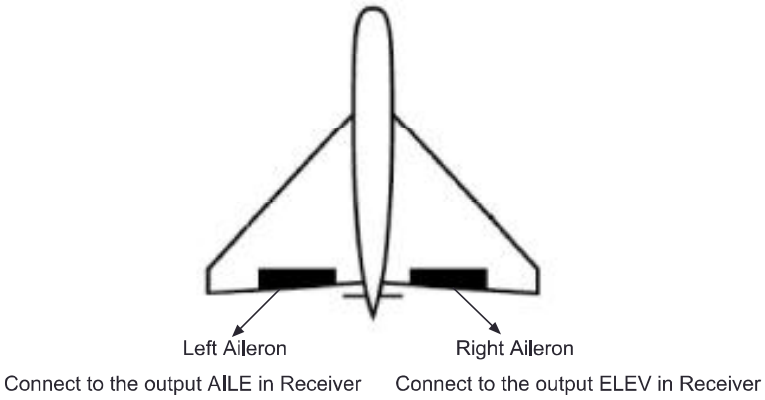
(1.1) Flaperon

Below is the graphics for the servos location of the Flap and Aileron Type.



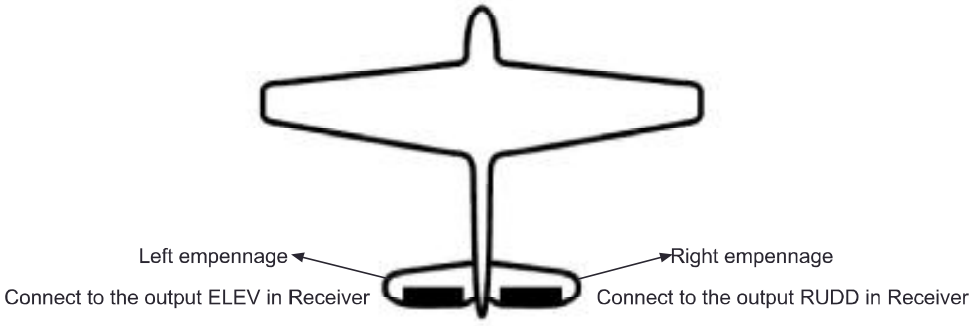
(1.2) DELTA

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



(2) V-TAIL

Touch the navigation mark of V-TAIL and expand a dropdown menu with Inhibit and Active. Choose Active. Below is the graphics for the servos location of the V-tail Type.



(3) Dual channels setting

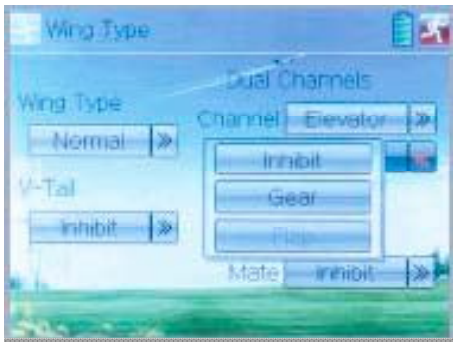
Dual Channels can be set as Elevator, Aileron, Rudder, or Flaperon. It is of dual channel output function. The channel, which will be set as dual channel at AUX in Device Output (Refer to “2.9 Device Output”), should be previously set as Inhibit when the AUX channel is being set.

Setting method:

(3.1) Channel setting

Touch the navigation mark of Channel in the interface of Wing Type, and expand into Elevator, Aileron, Rudder, and Flap. We take Elevator as an example.

(3.1) Channel setting



(3.2) Mate setting

(3.2) Mate setting

Click the navigation mark of Mate and expand a dropdown menu with Inhibit, and the inhabited channel in 2.9 output device. Select the desired channel and The channel, whose characters are shown in gray, has being applied.

(4) Twin Engine

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

(4.1) Mate setting

Click the navigation mark of Mate and expand a dropdown menu with Inhibit and the inhibited channels previously set in "2.9 Device Output". Choose the desired channel in black. These channels in gray are not available.

Click the icon to exit after finished.

(4.1) Mate setting

2.11 Power amplifier

The transmission output power of DEVO-6 is adjustable. It's valid to set different wattage for different model.It is divided into six grades from small to big. 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 farer the radio range, and the shorter the stand-by time. Choose the appropriate transmission output power according to the actual situation.

Setting method:

Touch the icon to enter System Menu and then click to enter the power amplifier interface.Choose theappropriate output power level and then touch to exit.

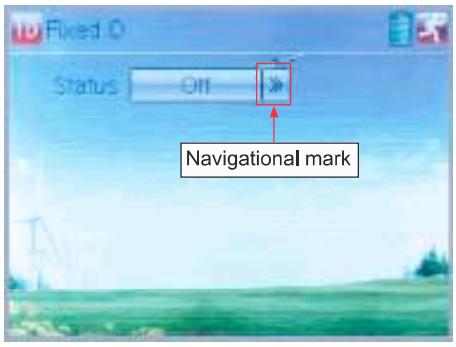
2.12 Fixed ID

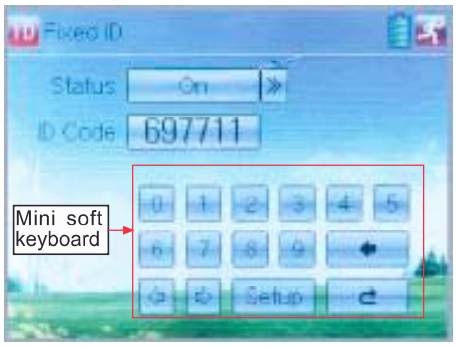
This setting will bind DEVO-6 and its receiver in a unique corresponding relationship. It will greatly speed up the time of automatic binding when DEVO-6 powered on.

(1) Setting for fixed ID

The setting for fixed ID should be under the status that automatic ID binding is successfully finished. Below is the setting method.

Touch the icon to enter Model Menu in the main interface, and then enter Fixed ID by touching the icon in Model Menu.





Touch the navigation mark of the item ID Code Setting. It will expand into two statuses: Off and On. A series of random digits will be shown below after touching On.A mini soft keyboard is shown in the lower part after touching the random digits of ID Code

The new ID digits can be modified by touching the mini soft keyboard. Then touch Match after the new ID is already set. An inquiry interface of "Are you sure?" pops up. "ID Code Match……" will be shown after touching OK.

(2) Fixed ID cancellation

Press key"CLEAN" before the receiver is powered on, and then plug 5V DC power into one of the other output terminals. The red light of receiver will flash slowly. This means the fixed ID code has been cancelled. Pull out BIND PLUG.DEVO-6 also needs to make relative cancellation and revision after the fixed ID in receiver is cleared out.

(3) Transmitter setting

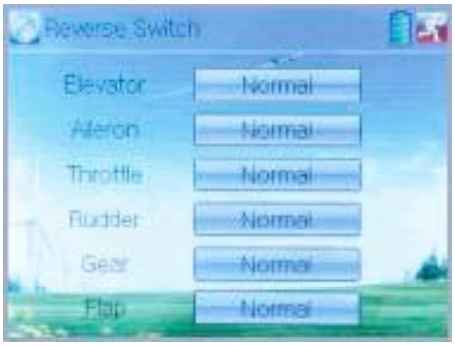
In the main interface touch the icon to enter Model Menu and then touch to enter Fixed ID. Touch ID Code Setting to expand the navigation mark into two status On and Off. Touch Off. Then touch to exit.

3.0 Function Menu

Function Menu is used to make personalizedly fine adjustment to the selected models. It includes Reverse Switch, Travel Adjust, Sub Trim, Dual Rate and Exponential, Throttle Hold, Throttle Curve, Differential setting, Balance setting, Gyro Sensor, Aileron to Rudder Mix, Elevator to Flap Mix, Rudder to Aileron/ Elevator Mix, Flap System, Aileron to Flaperon Mix, Program Mix, Monitor, Fail Safe, Trainer, and Timer.

3.1 Reverse switch

Touch the shortcut icon to enter Function Menu, and then click the icon to enter the reverse switch interface.



There show all the reverse switches' statuses of 6 channels. Touch the desired item to reverse its current status. The status includes two types: Normal and Reverse. The default setting is Normal.

Touch the icon to exit after finished.

3.2 Servo travel adjust

Touch the icon to enter Function Menu and then click the icon to enter the servo travel adjust interface.

The interface contents two pages to show the current travel status of all the six channels. Touch the navigation mark of each item to increase or decrease corresponding travel adjustment amount. The adjustable range is 0.0%～150.0%. The default setting is 100.0%.

Click the icon to exit after finished.

3.3 Sub trim

Sub Trim is used to make parallel movement of servos. It is recommended to adjust the servo bell crank if the servo is far away from its neutral point. The excessive usage of sub trim may damage the servo.

Setting method:
Touch the icon to enter Function Menu and then click the icon to enter the sub trim interface.

Touch the navigation mark of the desired item to adjust the amount for rectifying the servo's neutral point. The default neutral point is set at 0.0%. The adjustment range of each channel is shown as below:

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

Note: the model names shown will be different with the selected channels different.

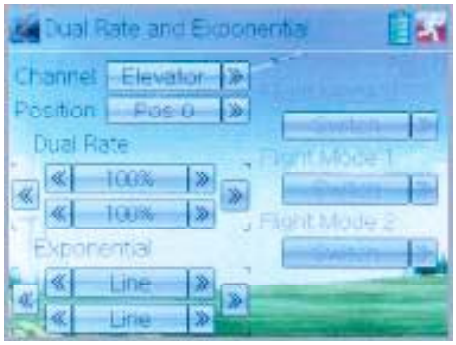
Click the icon to exit after finished.

3.4 Dual rate and exponential

It is possible to use D/R switch to control over the dual rate of elevator, aileron, and rudder after the function of Dual Rate and Exponential is set up. The setting range is 0-125%. Under the help with exponential curve adjustment, it is not only manually but also automatically able to set up various parameters which are suitable for yourself.

Setting method:

Touch the icon to enter Function Menu and then click the icon to enter the dual rate and exponential interface.

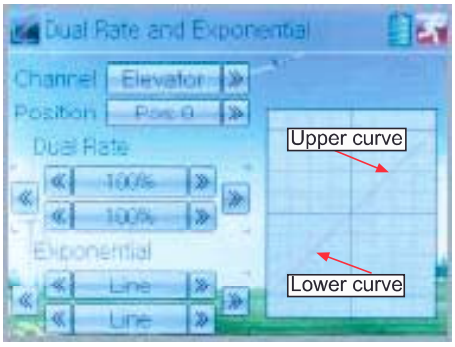


(1) Channel selection

Touch the navigation mark of Channel and expand a selectable list including Elevator, Aileron, and Rudder etc. Click the desired channel which will be shown in Channel.

(2) Position selection

Touch the navigation mark of Position and expand a selectable list including Pos 0, Pos 1, and Pos 2. Click the desired item which will be shown in Position.



(3) Dual Rate adjustment

It is possible to modify the value by touching the navigation mark of Dual Rate.

If touching the navigation mark for just one item to amend the dual rate value, the dual rate of the corresponding servo will be changed in one direction, while the curve will being changed in one direction at the right graph.

(4) Exponential adjustment

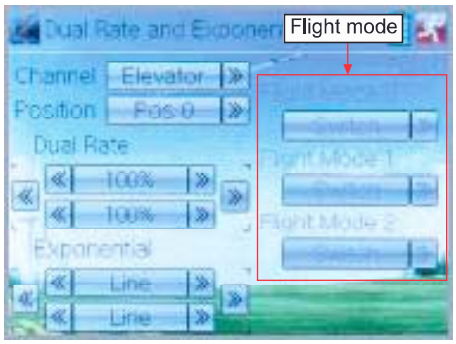
It is possible to adjust the exponential output value of the servo at that point, which is set up in step "(2) Position selection", by touching the navigation mark of Exponential.

If touching the navigation mark for just one item to amend the dual rate value, the dual rate of the corresponding servo will be changed in one direction, while the curve will being changed in one direction at the right graph

(5) Automatic setting

Under working with Flight Mode, it is possible to switch between the dual rate and exponential.The settings for Flight Mode 0, Flight Mode 1, and Flight Mode 2 are available.

Note: Before using the function of automatic setting, the Flight Mode Switch should be previously set as relative switches. Refer to "2.8 Device Select".



Touch the flight mode that you want to set as automatic operation, and an expansion list will be shown. Click the desired position. If Switch is selected, it is only controlled by the corresponding dual rate lever.

Click the icon to exit.

3.5 Throttle hold

If this function is set, the switch will be executed by hold switch. The setting value of throttle hold is ranged from -20.0% to 50.0%.Factory default setting is inhibit.

Setting method:

Touch the shortcut icon to enter Function Menu, and then click to enter the throttle hold interface.

Touch the navigation mark of Hold Status, and an expansion list will be shown as Inhibit and Active. Click Active, there appear Switch, and Hold Position in the above interface.

(1) Setting for Switch

This item can be set under the THROTTLE HOLD SW of MODEL MENU / Device select. Refer to (2.8 Device Select). The default setting is HOLD SW.

(2) Setting for Hold Position

Touch the left navigation mark of the item Hold Position to decrease the position amount, whose minimum is -20.0%; touch the right to increase the position amount whose maximum is +50.0%.

When toggle the HOLD D/R switch forward, it means on via backward means off. Throttle hold status will be unlocked.

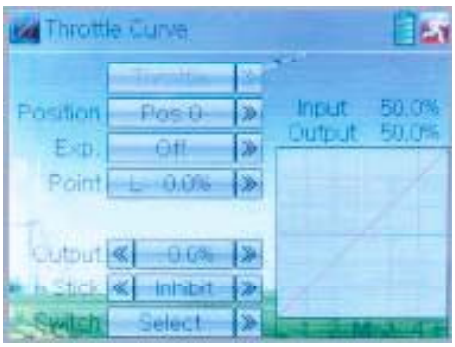
Click the icon to exit after all the settings are finished.

3.6 Throttle curve

Throttle curves are adjusted through seven points, which of all the flight modes can be respectively set.

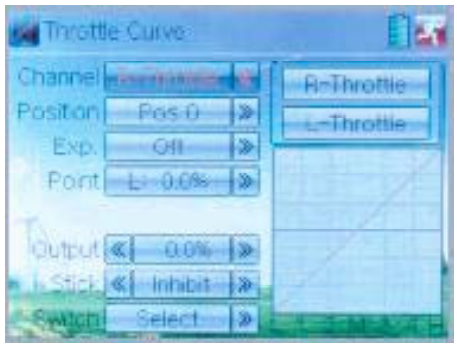
Setting method:

Touch the icon to enter Function Menu and then click the icon to enter the throttle curve interface. A dropdown menu with “All Servos Hold?” pops up.Click OK for all the servos locked at the current statuses. Click Cancel for all the servos unlocked.



(1) Channel setting

After previously set up Twin Engine, touch the navigation mark of Channel and expand a list including Left Throttle and Right Throttle. Select the desired throttle which will be shown in Channel. Channel will be shown in grey if Twin Engine is not previously selected.



(1) Channel setting

(2) Position selection

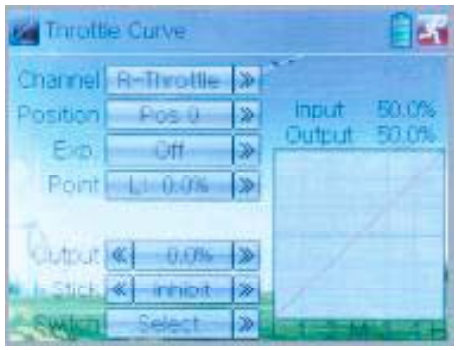
Touch the navigation mark of Position and expand a list with Pos 0 and Pos 1. select the item you want to set.

(3) Exponential setting

Touch the navigation mark of Exponential and expand a list with Off and On. The throttle curve will being changed smoothly if clicking On.

(4) Point setting

Touch the navigation mark of Point and expand a list including seven points. Select the point you want to adjust.



(4) Point setting

(5) Status setting

Touch the navigation mark of Status and expand a list with Inhibit and Active. Click Inhibit for keeping the current value (the default setting is Inhibit); click Active for changing the above point's value. Another item Output will be shown below after choosing Active.

(6) Output setting

Touch the left or right navigation mark of Output to decrease or increase, respectively, the output value. The adjustable range is from 0.0% to 100.0%.

(7) Throttle setting

Touch the left or right navigation mark of Throttle Stick to decrease or increase, respectively, the amount with a lower limit of 0.0% and an upper limit of 100.0%. The default setting is Inhibit.

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

(8) Switch selection

When the item Throttle Stick is set in Inhibit, it is possible to switch between Pos 0 and Pos 1 by Switch.

Touch the navigation mark of Switch and expand a dropdown menu including the selectable items in black. Select the desired item whose left side will be changed into "1" from "0". If two items are selected, the item And should be chosen. Then touch the navigation mark of Switch to return back.

Click the icon to exit after finished.

3.7 Differential

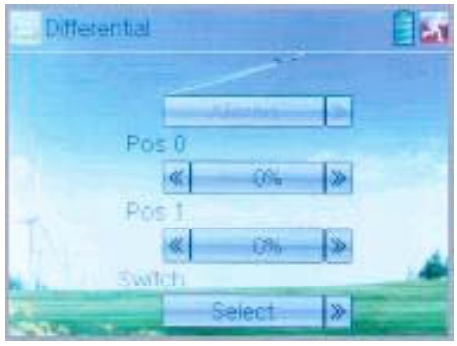
If want to use this function, Flaperon, DELTA should be previously selected in Wing Type of Model Menu. Refer to "2.12 Wing Type".

(1) Aileron differential setting:

Touch the shortcut icon to enter Function Menu, and then click the icon to enter the interface of Differential. Mounting servos in left and right ailerons are a must if using this function. The following interface will be shown after Flaperon, DELTA selected in Wing Type. Refer to "2.10 Wing Type".

(1.1) Setting for Pos 0

Touch the left or right navigation mark of Pos 0 to decrease or increase, respectively, differential value. The bigger the value is, the bigger the differential is. The adjustable range is ± 100%.



(1.2) Setting for Pos 1

The setting is same as above.

(1.3) Switch selection

It is possible to switch by setting switch when differential is in use.

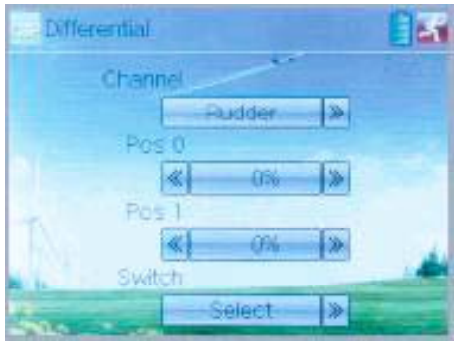
Touch the navigation mark of Switch and expand a selectable list. Click the switch item, which you desire, to change "0" into "1". If two or more switch items are selected, the item And should be chosen. Then click the navigation mark to return.Click the icon to exit after finished.

(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 "2.10 Wing Type". And then the following interface will be shown:

(2.1) Setting for Pos 0

Touch the left or right navigation mark of Pos 0 to decrease or increase, respectively, differential value. The bigger the value is, the bigger the differential is. The adjustable range is ± 100%.



(2.2) Setting for Pos 1

The setting is same as above.

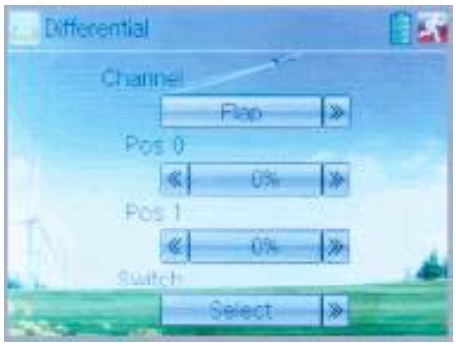
(2.3) Switch selection

It is possible to switch by setting switch when differential is in use.

Touch the navigation mark of Switch and expand a selectable list. Click the switch item, which you desire, to change "0" into "1". If two or more switch items are selected, And should be chosen. Then click the navigation mark to return.Click the icon to exit after finished.

(3) Flap differential setting

It should be previously set the flap dual channel function in Device Output at Model Menu (refer to "2.10 Wing Type") in order to activate the menu of Flap Differential.



(3.1) Setting for Pos 0

Touch the left or right navigation mark of Pos 0 to decrease or increase, respectively, differential value. The bigger the value is, the bigger the differential is. The adjustable range is ± 100%.

(3.2) Setting for Pos 1

The setting is same as above.

(3.3) Switch selection

It is possible to switch by setting switch when differential is in use.

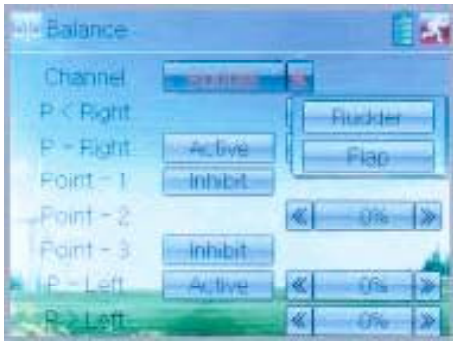
Touch the navigation mark of Switch and expand a selectable list. Click the switch item, which you desire, to change "0" into "1". If two or more switch items are selected, And should be chosen. Then click the navigation mark to return.Click the icon to exit after finished.

3.8 Balance

This function can adjust the parameters of the two servos which are used in the dual channels. It should be previously chosen one of the these wing types of Flaperon, DELTA, and V Tail 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 balance interface.



(1) Channel selection

Touch the navigation mark of Channel and expand a selectable list. Choose the desired channel.

(2) Point parameter adjustment

Touch the navigation mark of Point that you want to select, and pops up a dropdown menu including Inhibit and Active. Click Active for adjusting the value by touching the left or right navigation mark. 0% means no adjusting. A minus value means the amending direction is downward, and a plus value means the amending direction is upward.Adjusting range is ±100%

Click the icon to exit after finished.