(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 of Master 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 interface of Program Mix 1.

(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 Slave again to return to the interface of Program Mix 1.

(2.3) 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 choosing On. Otherwise choosing Off.

(2.4) Point selection

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.

(2.5) Status

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. If Active is selected, another item Output will be shown below.

(2.6) Output

Touch the left or right navigation mark of Output to decrease or increase, respectively, the output amount. It is possible to reverse the mix direction by changing the plus or minus sign before the amount. The adjustable range is ±125%.

(2.7) 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 [icon] to return to the interface of Program Mix for other setting, or click the icon [icon] once again to exit.

3.13 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 [icon] to enter Function Menu, and then click the icon [icon] to enter the monitor interface for checking the current working status of each channel.

Click to the icon [icon] exit after finished.

3.14 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 previously set. The default setting is Servo Hold.

Setting method:

Touch the icon ![icon] to enter Function Menu, and then click ![icon] to enter the fail safe interface.Take the item Elevator as an example to explain.

Elevator setting:

Touch the item Elevator 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 setting methods for other channels are same as above.

Click the icon ![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.

3.15 Trainer

Two DEVO-8S 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-8S equipments, 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-8S, 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-8S.


Linkage icon at trainee's DEVO-8S
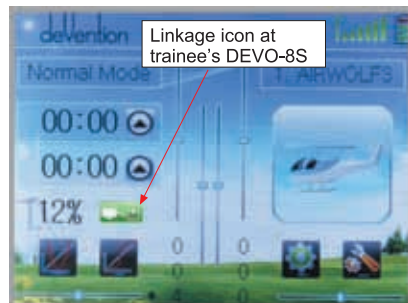
Turn on the power of the trainer's DEVO-8S. Find out the trainee's model data, and let the trainer's DEVO-8S bind with the helicopter model and fly it normally. Then turn off the power.

Insert the other end of the digital signal wire into the trainer's DEVO-8S, and then turn on its power. A linkage icon will be shown as below:

Linkage icon at trainer's DEVO-8S

DSC socket

Two ends of digital signal wire
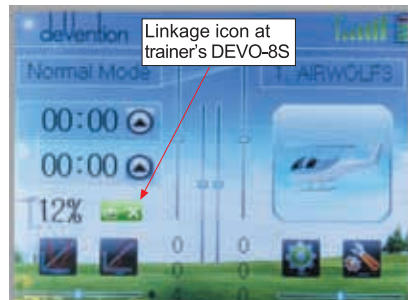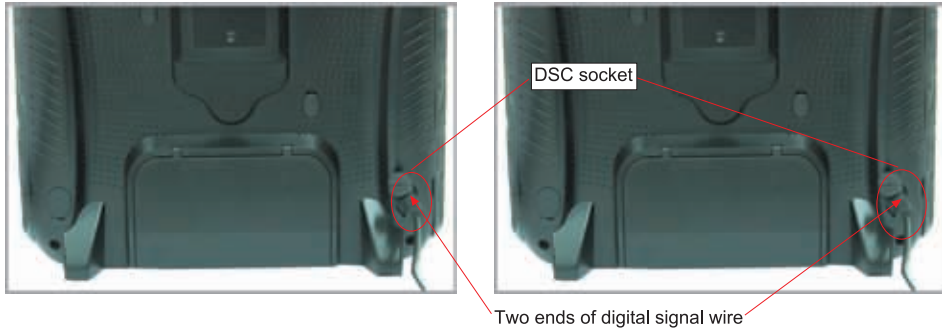
Training status display: when the trainer's icon turns into "X", the trainee stops flying and the trainer is working; when the trainer's icon turns into "√", the trainee is flying and the trainer is in leisure.

Trainee is off and trainer is working

Trainee is working and trainer is off
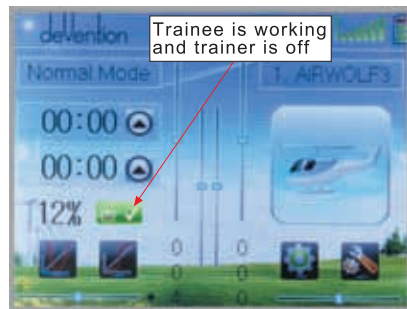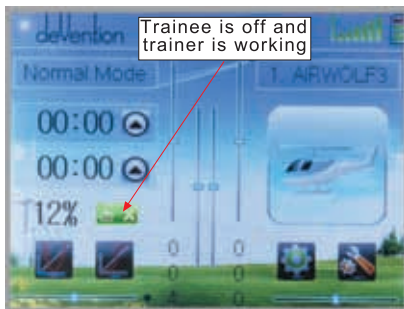
(3) Usage method

The training switch is left triming button or right triming button (can choose by yourselves);the factory setting is right triming button.show as below pic:

Left trim   Right trim

During flight, if the trainer pushes Right Trim once, the lingkage icon will be shown as "√" that means the control right is moved to the trainee from Trainer. If trainer pushes Right Trim once again, the linkage icon will be shown as "X" that means the trainer takes back the control right from the trainee.

(4) Setting for training function channels

Trainee is available to get full or part of flight control power to the helicopter model via setting the training function channel in the trainer's DEVO-8S. Below is the setting method:

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


Press the navigation sign of the swich the there will come out two choices,left triming button and left triming button, press the option for the TRN.

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

Touch 🖼 to exit.

3.16 Timer

There are two timers which can be set as stopwatch and countdown, respectively. The running, stop, or clearance of each timer can be operated by setting switch or by touching the shortcut icon.
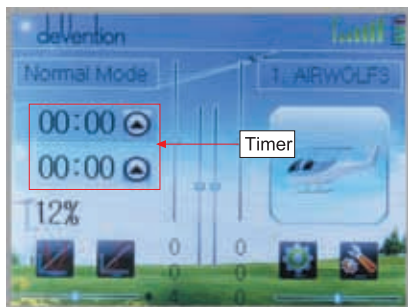
Timer

Setting method:

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

Stopwatch view   Countdown view

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.

We can select the desired item except these items of ELEV D/R, AILE D/R, RUDD D/R, and GEAR SW which should be previously set at Stick Position Switch at Model Menu.

(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.

Part three

Airplane

All the functional settings, which are relative to the operation system of DEVO-8S itself, are fully integrated in System Menu. They include Language, Display, Buzzer, Touch Screen Calibration, Stick Mode, Stick Calibration , and About.
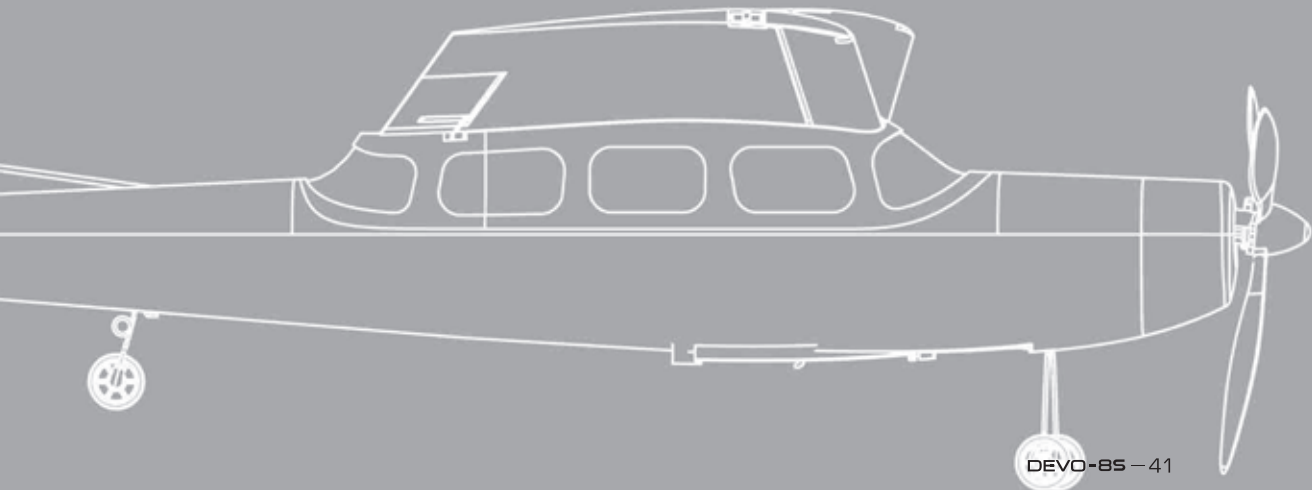
1.0 System Menu

The boot screen of airplane is shown as below:

1.1 Language Setting 1.2 Display
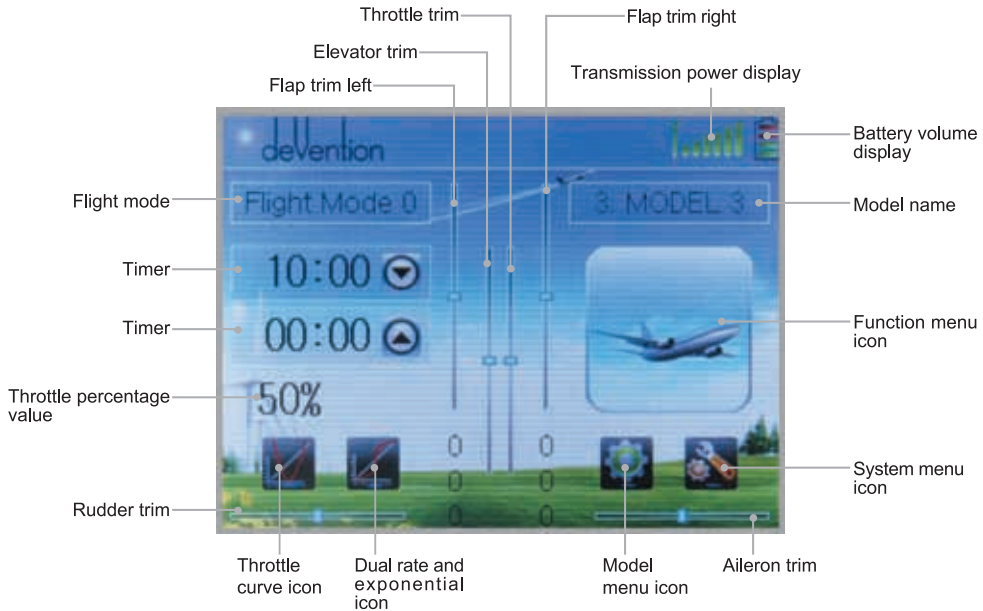
1.1 Language Setting

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.

1.2 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 Lightness: 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 timeout: 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 TFT Screen Calibration

Touch the icon to enter System Menu and then touch to enter TFT 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.
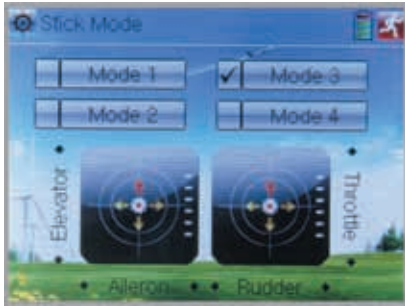

1.5 Stick Mode

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.
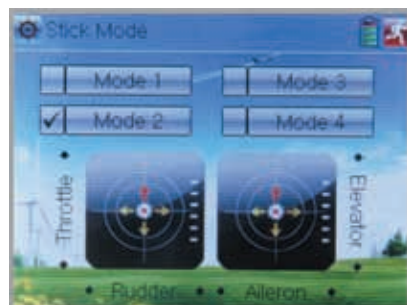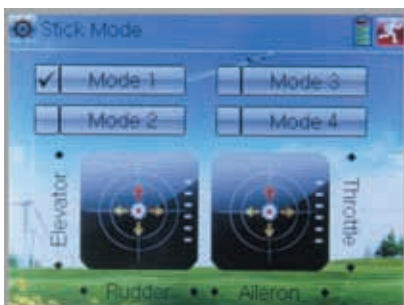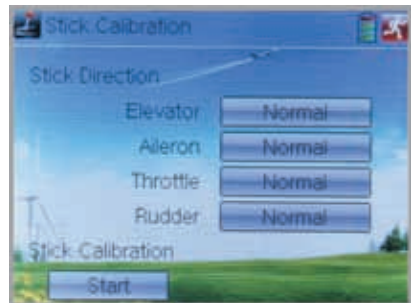
1.6 Stick Calibration

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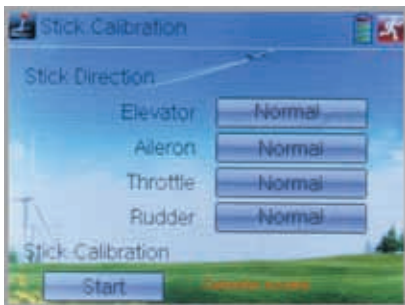
(2.3) Re-calibration: directly repeat the said steps 2.1 and 2.2 in the failure interface.

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-8S. 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.
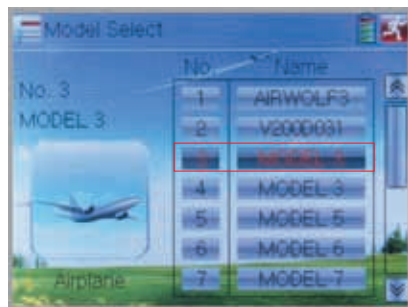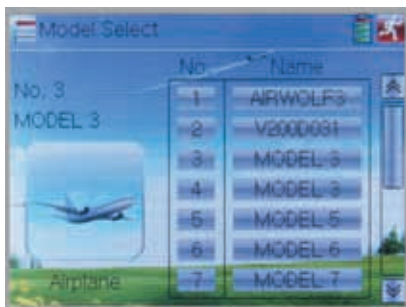
2.2 Model Name

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:
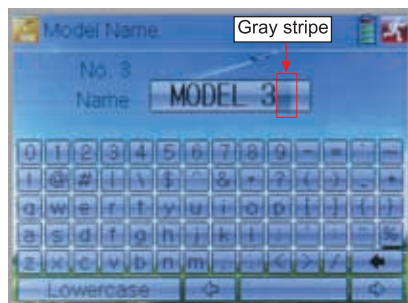
Gray stripe

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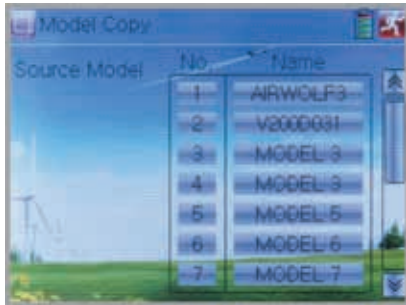
Choose the model you want to be copied as source model. The serial No. and model name of Source Model will be shown in the left side of the interface.

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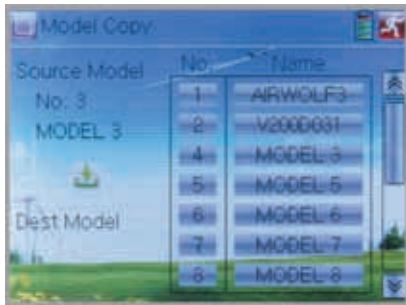
Click OK to copy. Otherwise click Cancel. Then the interface will be automatically returned to Model Menu. Click ▭ to save and exit.

2.4 Model wireless copy

The model data between two DEVO-8S 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.
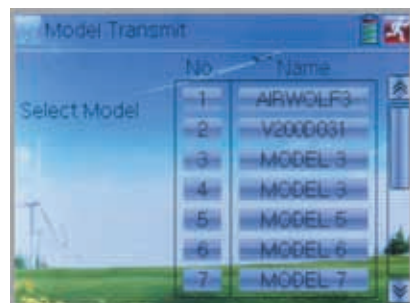
Choose the source model which will be transmitted. The serial No. and name of the source model will be shown under Select Model in left side of the interface as well as enquiry information "Are you sure?" in the right side.

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

(2) Model receiving

Touch the shortcut icon ![icon] to enter Model Menu and then touch the icon ![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.
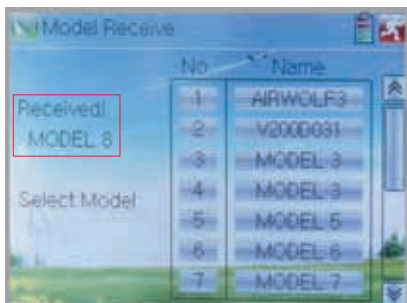
Choose the save position in the right name list by touching. Enquiry information "Are you sure?" is shown after clicking the save position. Click OK for save and the current interface will automatically return to Mode Menu. Click Cancel for rejection.

Touch the icon ![icon] to exit.

2.5 Model Reset

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

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

It is possible to store up to 12 models data in the model list of DEVO-8S equipment. There are two methods to reset the model data: batch reset and single reset.

Reset all the models ————— Scroll bar

————— Reset single model
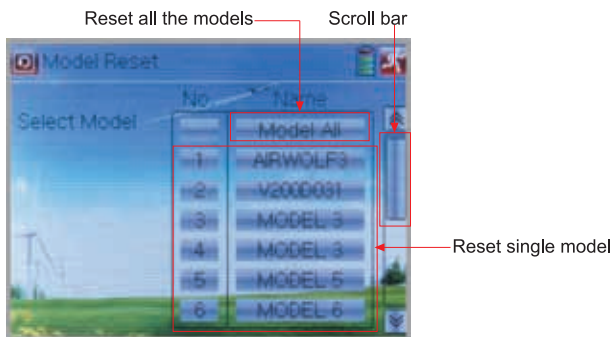
(1) Method for batch reset

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.
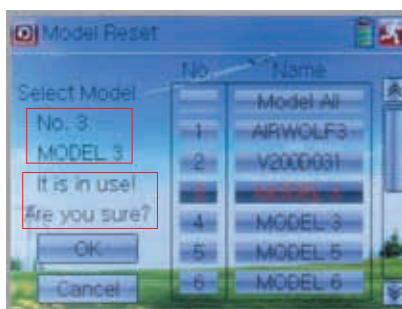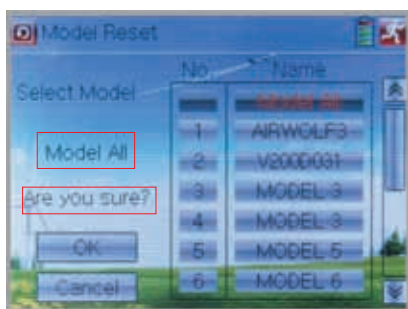
(2) Method for single reset:

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 [icon] to exit.

2.6 Type Select

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

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

2.7 Trim System

Trim System is able to finely tune the following six items, respectively: elevator, aileron, rudder, throttle, left trim, and right trim. 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 ⅲ 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, Flap Switch Select, and Flap Trim Select.

Friendly reminder: This function is frequently utilized in flights. Modelers will be greatly favored if expertly mastering its usage.

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 RUDD 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.

(5) Flap Trim Select

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

2.9 Device Output

Device output is composed of four items. It can set up output switches and select the usage of trim, respectively. It can also activate, inhibit or use other functions.

Friendly reminder: This function is frequently utilized in flights. Modelers will be greatly favored if expertly mastering its usage.

Setting method:

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

There are four items to be adjustable. They are Gear, Flap, AUX2, AUX3, 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, ELEV D/R, AILE D/R, RUDD D/R and GERA SW. Touch the desired item. The default setting is GEAR SW.
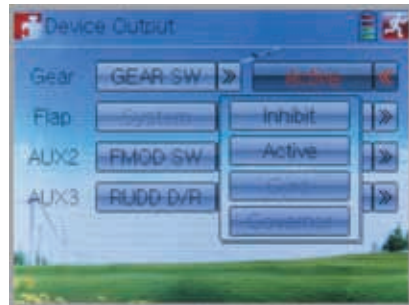
Touch the right column navigation mark of Gear. Pop up an expansion including Inhibit, Active, Gyro, Governor. Touch the desired item. The default setting is Active.

(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, Left Trim and Right Trim. 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.