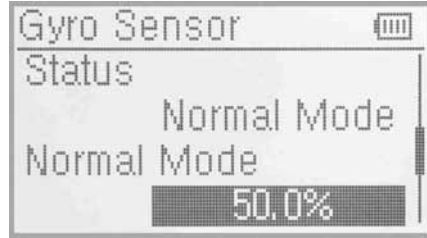(2.4.1) Normal Mode

Press UP/DN to choose "Normal Mode"project set,press R/L can increase or decrease the value individually.If the GYRO have "NOR"mode and "AVCS"mode,when the value is lower than 50%,it is "NOR"mode. the lower of the value is ,the bigger of the GYRO sensitivity becomes. The factory default value is 50%.

(2.4.2) "Stunt 1","Stunt 2","throttle hold" settings refer to "Normal Mode".

After finishing the set,press EXT to exit.

3.9 Governor

Before setup this function, "Governor" should be set and activated in "output" interface. (Refer to 2.10 Output)

It is possible to set Governor control rate in various flight modes separately. Please setup the Governor for the desired retation speed. The transmitter display data is only for percentage reference. The real rotation speed refer to Governor.

Setting method:

Press "ENT" to the "Main menu"in the interface;Press "UP/DN" to make the navigation bar choose "functional menu".Press "ENT" to "functional menu";Press UP/DN to choose "Governor" then through the 'ENT' key to the Governor setting interface,which display the status and channels;Press UP/DN can see the "Normal Mode", "ST1", "ST2", "Throttle Hold" and so on .

(1) Status

Toggle the Flight Mode or Thottle Stick Lock switch,the status display present flight mode position.There are "Normal Mode", "ST1","ST2", "Throttle Hold" and so on."Throttle hold" need to start that can effect.(refer to "3.5 throttle hold")

(2) Channel: displaying in "2.10 output" have set the Channel.(refer to 2.10 Output)

(3) Normal Mode

Press "UP/DN" to make the navigation choose the "Normal Mode"set,press R/L to increase/decrease the value.The factory default value is 0%.
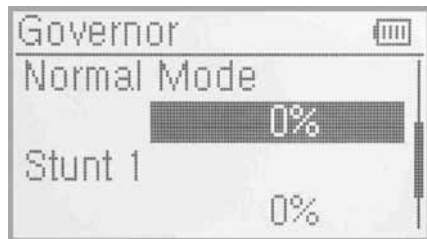
(4) The methods to set "ST1","ST2", "Throttle Hold" refer to "Normal Mode".

After the set finished ,press EXT to exit.

3.10 Tail Curve

This function is mainly used for amending the reaction torque produced by pitch changle of main rotor blades.In the set flight mode,the mix amount can be automatically switched when moving the flight mode (FMOD)lever.

Press "ENT" to enter the "main menu";Press "UP/DN" to make the navigation mark to choose the "functional menu";Press UP/DN to choose "Tail Curve",then press "ENT",there will be shown an enqury of "all Servo hold?"Click ok for locking the current statues of all the Servos,and cancel for unlocking the current statues of all the Servos;After finish the choose,press ENT to "Tail Curve" interface.There are current flight statues,curve graph and adjustable items.
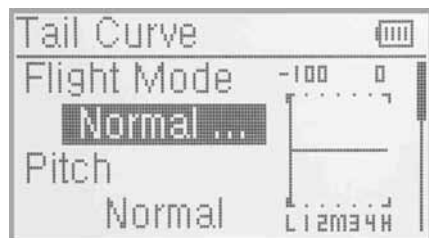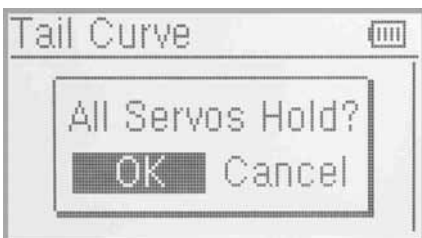
(1) Flight Mode

In the "Tail Curve" interface,press UP/DN to make the navigatiy mark choose "Flight Mode" set .Toggle the flight mode switch and shown the current flight mode.In the set of flight mode can set "pitch","exponential curve","curve point setting",and "output "items.

(2) pitch

Press UP/DN to make the navigation mark choose "pitch" set,press R/L to choose the two options Normal and Original.Select the desired item.

(3) Exponential Curve

Press UP/DN to make the navigation mark choose "Exponential Curve"set,press R/L to choose two options ON and OFF.The curve will be smoothly changed if touching on.Select the desired item.
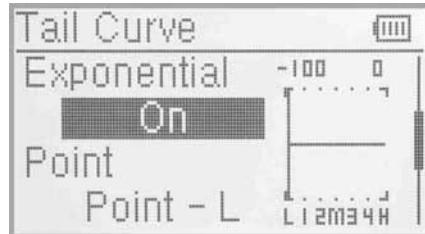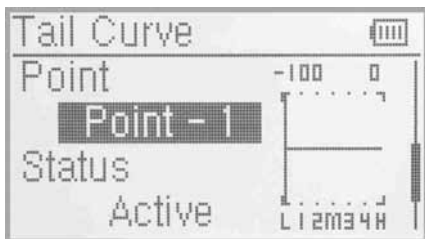
(4) Curve Point Setting

Press UP/DN to make the navigation mark choose "Curve Point set.

(4.1) Point Selection

Press R/L to set the Curve Point options "point-L","point-one","point-2","point-M","point-3","point-4","point-H" ,totally seven options;Select the point which you want to adjust.

(4.2) Statues Setting

Press UP or DN option to choose the State setting after adjusting the date point.Press R or L keys,there are two options of "inhibit" or "active"(Choose "point-L" or "point -H",there is no state munu that wii be shown).If you don't want to change the date,then choose "inhibit"(default setting is "inhibit").If you want to chage the date,then choose "active".There is "Output " option afet it is expanded.
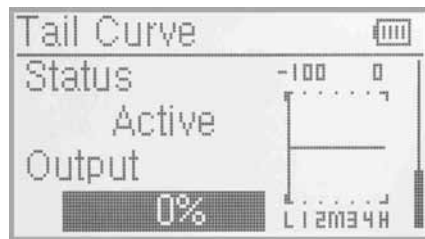
(4.1) Point Selection   (4.2) Statues Setting

(4.3) Output Setting

Press UP/DN to make the navigation mark choose"output" set,press R to increase point's output;the minimum amount is +100%;press L to decrease point' output amount;the maximun amount is -100%.

(4.4) The methods to set "ST1","ST2", "Throttle Hold" refer to "Normal Mode".after finished ,press EXT to exit.

Notes: If an AVCS Gyro is used,this function is not necessary.

3.11 Swash Mix

This function, which can be executed through flight mode, is used for amending the variation caused by swashplate movement, when the aileron or elevator is working.

Press the "ENT" to enter Main Menu and then press UP or DN to choose the navigation mark of enter Function Menu. The interface will show the Swash Mix Setting after press the "ENT" . The "Swash Mix" item is only effected after choose the two or more servos in "2.11 Swash Type".Make the third servo 120° as an example.

(1) Swash Type

The item will show the current swash type if choose the two or more servos in "2.11 Swash Type".the choosed swash type is the third servo 120° .

(2) Aileron Mix Adjustment

In the interface of Swash Mix,press UP or DN to choose the navigation mark of Aileron Setting item. Press R button to increase the rate and L to reduce. If reversed direction, it is available to chang through the "+" or "-" mark. The adjustable rate is ±125%. After finish the settings,press DN to set others.

(3) Elevator mix adjustment

The function is based on the three or more servos which is choosed(refer to the 2.11 Swash Type).The setting method is same as above.

(4) Pitch Mix Adjustment

The function is based on the two or more servos which is choosed(refer to the 2.11 Swash Type).The setting method is same as above.

(5) Exponential Curve

This function can execute the exponential changes, which are set at Dual Rate and Exponential in Function Menu when it is started. If Off is selected, the exponential curve will be changed in the form of fold line.
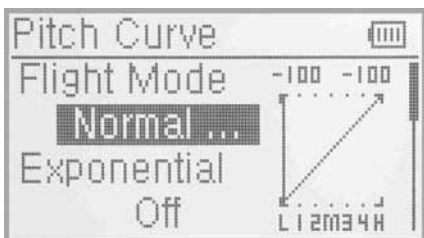
Setting method:

Press UP or DN to touch the navigation mark of Exponential to expand two options: Off and On. the default setting is Off. On is recommended.

Please press EXT key to exit after finished.

3.12 Pitch Curve

Pitch curves are adjusted through 7 points, which of all the flight modes can be respectively set. There are "Normal Mode", "Stunt 1", "Stunt 2 "and "Throttle hold" 4 flight modes.

Setting method:

Press ENT to flash main menu. Press UP or DN key, function will flash and then press ENT to enter function menu. Press UP or DN, "PTCRV" will flash, a dropdown pops up"All servos hold?"to enter the interface of servo hold . Click OK for all the servos will be locked at the current states.Click Cancel for Unlocked.Enter the next interface after clicking OK or Cancel.

(1) Flight mode

Press UP or DN to enter the Flight Mode at the interface of Pitch Curve,and then move the switch of flight mode,the state of flight mode will be shown.The Pitch Curve can be set at the current state. There are "Normal Mode", "Stunt 1", "Stunt 2" and "throttle hold" 4 flight modes.The "Normal Mode" is made as an example for your referrence.

(2) The Stting of Pitch Curve

Press UP or DN to choose the setting item of Pitch Curve .There are ON or OFF option when you press the R or L buttoms.The Curve Pitch will become round if the ON buttom is choosen.If you don't adjust the Pitch Curve Funtion,then choose OFF buttom.

(3) Setting of Curve Point

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

(4) State Setting

Press UP or DN option to choose the State setting after adjusting the date point.Press R or L keys,there are two options of "inhibit" or "active"(Choose "point-L" or "point -H",there is no state munu that wii be shown).If you don't want to change the date,then choose "inhibit"(default setting is "inhibit"). If you want to chage the date,then choose "active".There is "Output " option afet it is expanded.
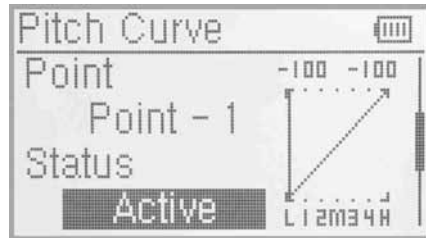

(5) Output Setting

Press UP/DN to make the navigation mark choose"output" set,press R to increase point's output;the minimum amount is +100%;press L to decrease point' output amount;the maximun amount is -100%.
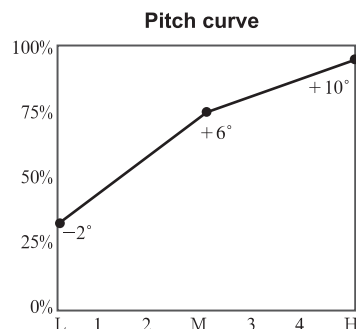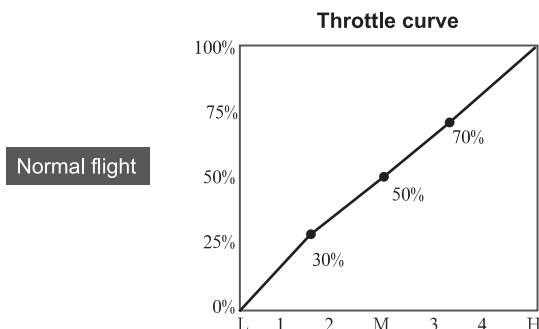
(6) Hovering Setting

With the above setup finnishing,the item Hovering should be set as ON and each point of Pitch Curve should be activited at the same time if the PIT Trim needs to be adjusted in flight.The points of 1-2,M,3-4 will move at the same level with the up and down of the PIT when adjusting the Hovering Trim.
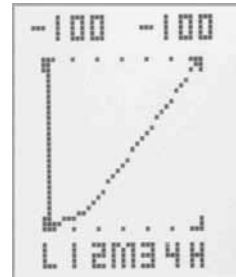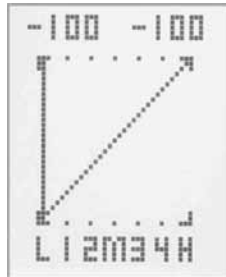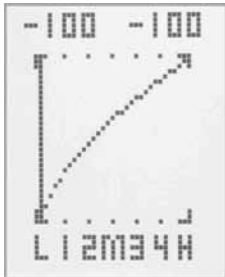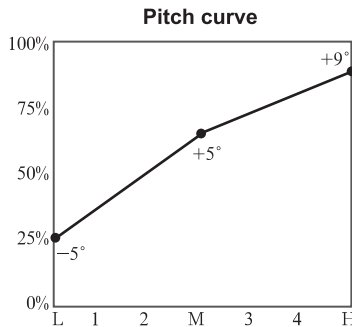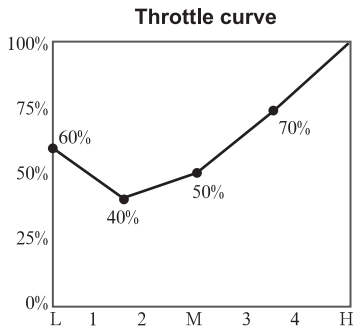

(7) There are "Normal Mode", "Stunt 1", "Stunt 2" and "throttle hold" 4 flight modes.The PIT Curve can be set respectively at different models,the method of setting is as the above. Press "EXT" key to exit after finished.
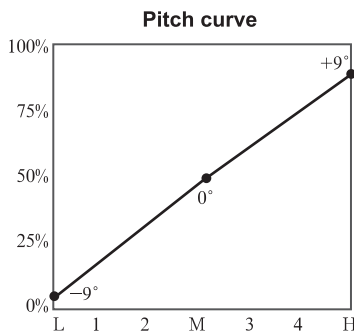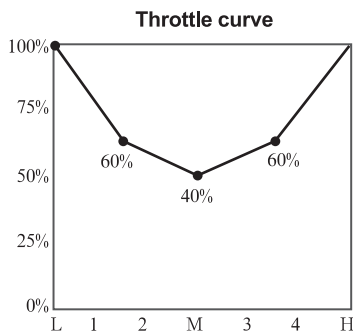
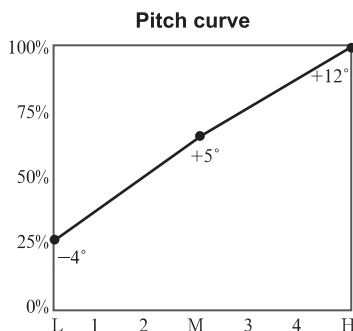The basic examples are only for your reference. Adjustment to the real flights is a must.

Throttle curve

Pitch curve

Normal flight

Flight mode1

Throttle curve

Pitch curve

Flight mode 2

Throttle curve

Pitch curve

Autorotation landing

Pitch curve

3.13 Program Mix

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

Setting Method:

Press ENT enter to main menu. Press UP or DN, FUNCTION is flashing, press ENT to enter function menu, then press UP or DN select "PRGMX". 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.
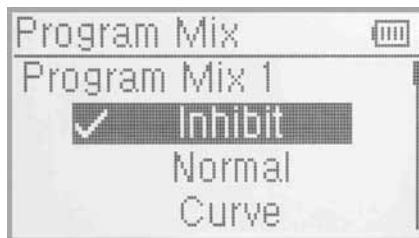
Take "program mix 1" for example, there are "normal" and "curve" setting.

(1) The "normal" setting of "program mix"

Press UP or DN select 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 setting interface.

(1.1) Master channel setting

Press UP or DN to move the navigatioal mark to select Master option and press ENT to Master interface. Pressing UP or DN to select the desired channel and press ENT to make a "√". Press EXT to be back to Program Mix 1 interface.

(2) Slave channel setting

Press UP or DN to move the navigatioal mark to select Slave option and press ENT to Slave interface. Pressing UP or DN to select the desired channel and press ENT to make a "√". Press EXT to be back to Program Mix1 interface.
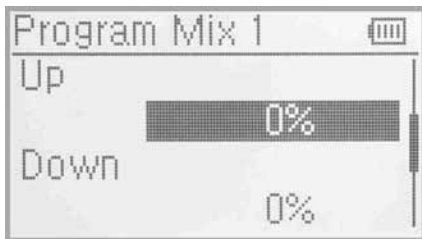

(1.1) Master channel setting

(2) Slave channel setting

(1.3) Gain setting

Take Elevator at Master as an example.

(1.3.1) UP:

Mix amount setting when elevator stick moved upward.

Press UP or DN to move the navigational mark to select Up to item.Press R or L to increase or decrease, 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) Down:

Mix amount setting when elevator stick moved backward. Press UP or DN to move the navigational mark to select Down item.Press R or L to increase or decrease, 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) 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 select the "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 plus or minus sign before amount. The adjustable range is ±100%.

(4) Switch Selection

Press UP or DN to choose the navigation mark of Switch setting item and press ENT to enter the select interface of Switch. It is chosen if the Switch item is marked with "√ ". There are "Normal Mode", "Stunt 1", "Stunt 2" ,"Throttle hold" , ELEV D/R,AILE D/R,RUDD D/R and GEAR which can be chosen.
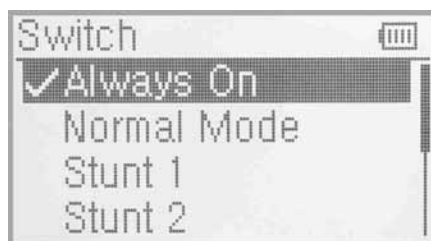
(2) Setting Method for Curve in Program Mix1

Press 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 states; click Cancel for unlocked. Enter the next interface after clicking. Press ENT key to enter the setting interface of Program Mix1.The interface will show the setting items and curve table.

(1.1) Master channel setting

Press UP or DN to move the navigatioal mark to select Master option and press ENT to Master interface. Pressing UP or DN to select the desired channel and press ENT to make a "√". Press EXT to be back to Program Mix 1 interface.

(2) Slave channel setting

Press UP or DN to move the navigatioal mark to select Slave option and press ENT to Slave interface. Pressing UP or DN to select the desired channel and press ENT to make a "√". Press EXT to be back to Program Mix1 interface.

(2.1) Master Channel Setting   (2.2) Slave Channel Setting

(2.3) Exponential Curve

Press UP or DN to choose the setting item of Exponential Curve .There are ON or OFF option when you press the R or L buttoms. The Curve Pitch will become round if the ON buttom is choosen.If you don't adjust the Pitch Curve Funtion, then choose OFF buttom.

(2.4) Point Setting

Press UP or DN to enter 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.

(2.5) State Setting

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

(2.4) Point Setting   (2.5) State Setting

(2.6) output setting

When the Status option is Active, the Output option will be listed.Press UP or DN to move the navigational mark to Output. Press R or L to increase or decrease, 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 ±100%.

(2.7) Switch select

Press UP or DN to choose the navigation mark of Switch setting item and press ENT to enter the select interface of Switch. It is chosen if the Switch item is marked with "√". There are "Normal Mode", "Stunt 1", "Stunt 2" ,"Throttle hold" , ELEV D/R,AILE D/R,RUDD D/R and GEAR which can be chosen.
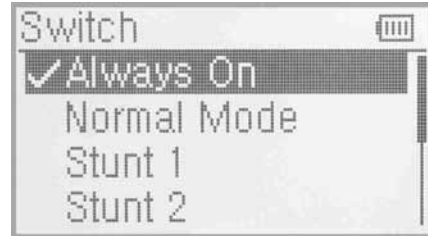
Press EXT key to return to the previous interface for other settings or press EXT key to exit after finished.

3.14 Monitor

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

Press ENT to enter Main Menu, and then press UP or DN to move the navigational mark to select Funcation Menu. Press ENT to enter the Funcation Menu and then press UP or DN to select servo Monitor and press ENT to enter the monitor interface for checking the current working status of each channel.

Press EXT to exit .

3.15 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 enter the Main Menu, and then press UP or DN to move the navigational mark to select Funcation Menu. Press ENT to enter the Funcation Menu then press UP or DN to select Fail Safe and press ENT to enter the Fail Safe interface.Take the item Elevator as an example to explain.

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 a 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.

3.16 Sensor View

Setting method:Press ENT to enter the Main Menu and press UP or DN to move the navigational mark to select Funcation Menu.Then press ENT to enter the Funcation Menu and press UP or DN to select Sensor View,then press ENT to enter the Sensor View interface, like below pictures. 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.

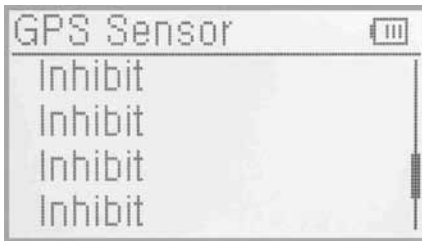(1) Voltage:Show 3 diffferent measured voltage value;
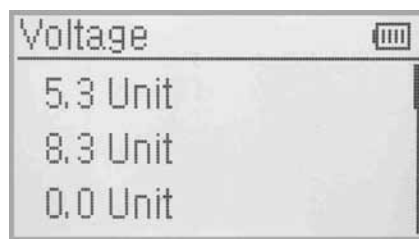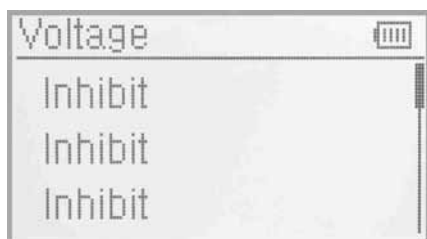
(2) Temperature: Show 4 different measured temperature value;
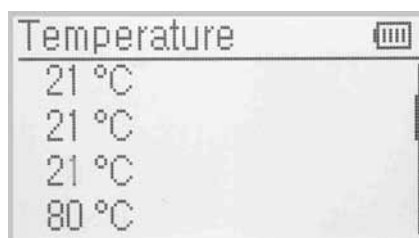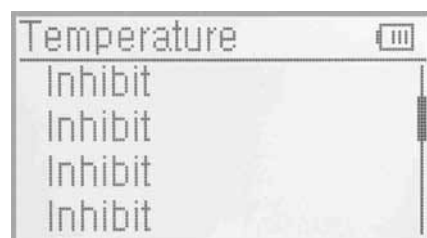
(3) Rate Sensor:Show 2 different measured RPM value;

Rate Sensor	Rate Sensor
Inhibit	5000RPM
Inhibit	4000RPM

(4) GPS Sensor:Press UP or DN to turn to GPS funcation,show located date,time,longitude, latitude,altitude and speed;

| GPS Sensor	GPS Sensor
Inhibit	East 113°23.7120
Inhibit	North 22°53.4805
Inhibit	-4.4 m
Inhibit	0.0 km/h

3.17 Trainer

Two DEVO-10 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

First, use the wireless copy function between two DEVO-10 to copy the main transmitter's model data to the trainee's transmitter, this promise the the model data between two transmitters is same. Refer the copy method to the second part of helicopter "2.4 model wireless copy" and do the following steps:

(2) Linkage

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 will be shown on the boot screen.

devention
00:00
0.0%
MOD 1

Linkage icon at trainee's DEVO-10
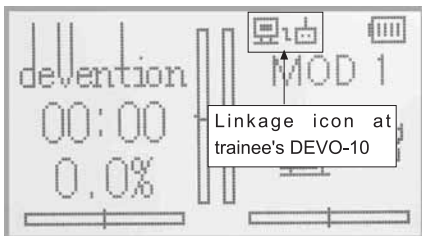
linkage icon

Turn on the power of the trainer's radio. Find out the trainee's model data, and then let the trainer's Radio bind with the aircraft model and fly it normally. Then turn off the power.Insert the other end of the digital signal wire into the trainer's DEVO-10, and then turn on its power. A linkage icon will be shown as below: