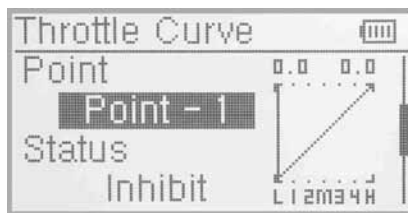
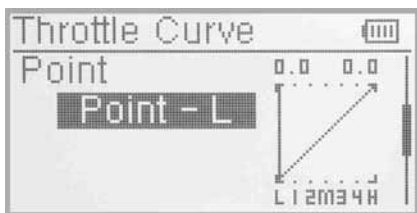


(3.1) Adjustment for Point

Press UP or DN in Throttle Curve interface to move the navigation mark to desired item Point. Press R, an expansion list including “-L” “-1”, “-2”, “-M”, “-3”, “-4” and “-H” seven points is shown and can be selected via pressing R or L.

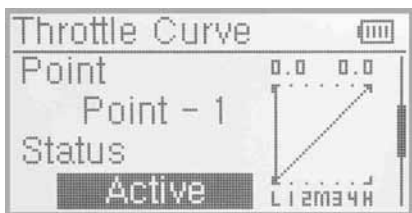


(3.2) Status adjustment

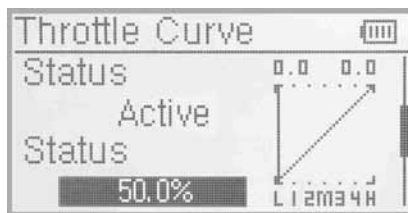
Press UP or DN to move navigation mark to Status and press R or L to choose Inhibit or Activate. Click Inhibit if you don't amend the amount of the selected point. The factory default is Inhibit. Click activate if you want to amend the amount of the selected point.

(3.3) Output adjustment

An expansion list of Output items will be shown after activating the Status. Press UP or DN to move navigation mark to select Output item. And press R or L to increase or decrease the amount of selected point with a minimum of 0.0% and a maximum of 100.0%.



(3.2) Status adjustment



(3.3) Output adjustment

Press EXT to exit after finish the setting.

3.7 Mix to throttle

This Function can keep the main rotor blades running at the certain revolution caused by the changed load when operation the aileron servo, elevator servo and rudder servo. Generally, it's not advised to use the function.

Setting method:

Press ENT to enter Main menu in the main interface. Press UP or DN to move navigation mark to select Function Menu. Press ENT to enter function menu. Press UP or DN to select Mix to Throttle. And press ENT to enter Mix to throttle interface as in below illustration.



There are three settings: elevator, aileron and rudder. If the item of Channel is shown as Elevator, there are UP, DOWN and Switch in the interface. If the item of Channel is Aileron or Rudder, the contents in the said interface will be changed into Left, Right and Switch. Take the example of Channel set as Elevator to illustrate the setting method.

(1) Up setting

In the Mix to throttle interface, press UP or DN to move the navigation mark to select UP item. Press R or L to increase or decrease the mix amount when moving the throttle stick upwards. The bigger the amount is, the bigger the mix to throttle will be. Change the amount from “+” to “-” for the throttle mix direction Reversing. The adjustable range is ±125%.

(2) Down setting

In the interface of Mix to Throttle, press UP or DN to move the navigation mark to select Down item. Press R or L to increase or decrease, respectively, the mix amount when moving the throttle stick downwards. The bigger the amount is, the bigger the mix to throttle will become. Change the amount from “+” to “-” for the throttle mix direction Reversing. The adjustable range is $\pm 125\%$.

(3) Switch Selection

In the interface of Mix to Throttle, press UP or DN to move the navigation mark of Switch and press ENT to enter Switch interface and then press UP or DN to select the Switch option. Press ENT to make a “√” mark to the choosed switch. There are Always on, Normal Mode, Stunt Mode options.

(4) The setting of Aileron or Rudder, and Mix to Throttle can be referred to Elevator setting. Press EXT after setting finished.

Note:

- (1) Before the flight, please confirm: All above amount of mix to throttle is proper enough to offer a good flight. And make sure all the actions in different flight mode are normal.
- (2) The function is in spare when governor is working.

3.8 Gyro Sensor

This function offers the gain adjustment for gyro sensor, which can be manually set through HOLD switches, and also is possible to be automatically switched among various gains through flight mode switch.

Setting method:

Press “ENT” into “Main Menu” in the interface; press “UP/DN” to choose “functional menu”. Press “ENT” into “functional menu”; press “UP/DN” to choose “Gyro Sensor”, then press “ENT” into “Gyro Sensor” interface.



(1) Manual Setting

(1.1) Manual Setting

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

(1.2) Channel

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

(1.3) Switch choose

In the Gyro Sensor interface, press UP/DN to choose “SWITCH” project set, press R/L to selectable sets “FMODSW”, “HOLD SW” selectable sets so on. Choose the Manual control switch.

(1.4) Sensitivity Setting

There are “Position 0” and Position 1” two selection, pls set the sensitivity individually.

(1.4.1) position 0

Turn the choosed GYRO Control Switch, make the status display present switch status “position 0”. Press UP/DN to choose “position 0”, press R/L to increase/decrease value individually. If the GYRO have “NOR” mode and “AVCS” mode, when the value lower than 50%, it is “NOR” mode, the lower of the value is, the bigger of the GYRO sensitivity becomes. The factory default value is 50%.



(1.4.2) “Position 1” is the same setting way as above “position 0”.

(2) Automatic setting

(2.1) Automatic Setting

In the Gyro Sensor interface,press UP/DN to choose "mode"project set,press R/L to selectable sets ("Manual set" and "Automatic set").Then choose "Automatic" option.



(2.2) Channel

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

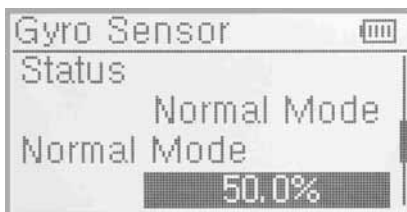
(2.3) Switch:there is no use in the Automatic Setting.

(2.4) Status

Turn the Switch "flight mode"or "Throttle hold",the status set display present flight mode position.There are "Normal Mode","Stunt Mode","Throttle hold" sets. "Throttle hold" need to start that can effect.(refer to "3.5 throttle hold")

(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 Mode", "throttle hold" settings refer to "Normal Mode".

After finishing the set,press EXT to exit.

Notes: About the Gyro set, just can be set when there is a gyro menu listed in "2.10 output" in "Mode Menu".(Refer to the 2.10 output)

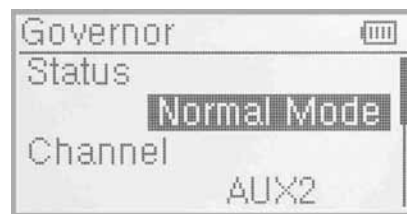
3.9 Governor

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 rotation 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", "Stunt Mode", "Throttle Hold" and so on .



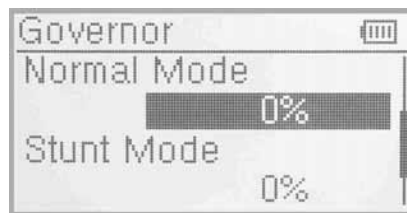
(1) Status

Toggle the Flight Mode or Thottle Stick Lock switch,the status display present flight mode position.There are "Normal Mode", "Stunt Mode", "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 method to set "Stunt Mode", "Throttle Hold" refer to "Normal Mode".

After the set finished ,press EXT to exit.

3.10 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”.Take 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.

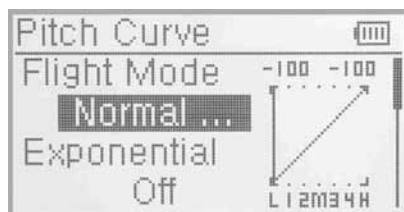
Please press EXT key to exit after finished.

3.11 Pitch Curve

Pitch curves are adjusted through 7 points, which of all the flight modes can be respectively set. There are “Normal Mode”, “Stunt Mode”and “Throttle hold” 3 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 Mode" and "throttle hold" 3 flight modes. The "Normal Mode" is made as an example for your reference.

(2) The Setting of Pitch Curve

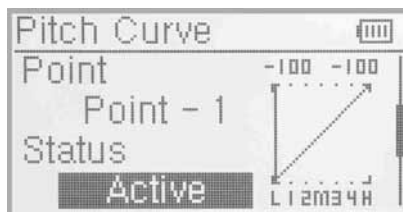
Press UP or DN to choose the setting item of Pitch Curve. There are ON or OFF option when you press the R or L buttons. The Curve Pitch will become round if the ON button is chosen. If you don't adjust the Pitch Curve Function, then choose OFF button.

(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 menu that will be shown). If you don't want to change the date, then choose "inhibit" (default setting is "inhibit"). If you want to change the date, then choose "active", "Output" item will be expanded.

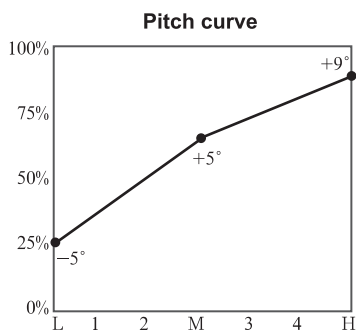
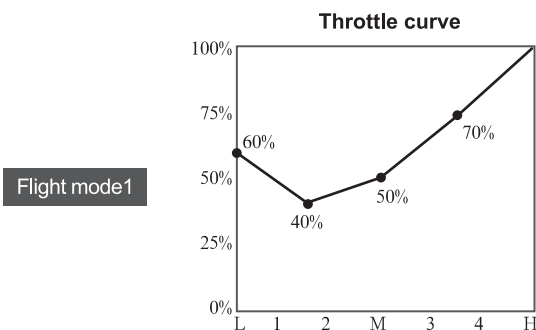
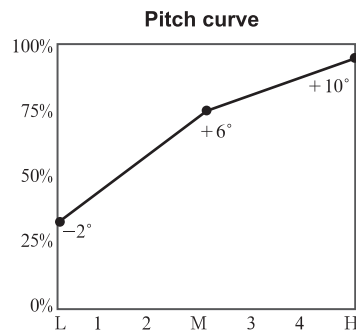
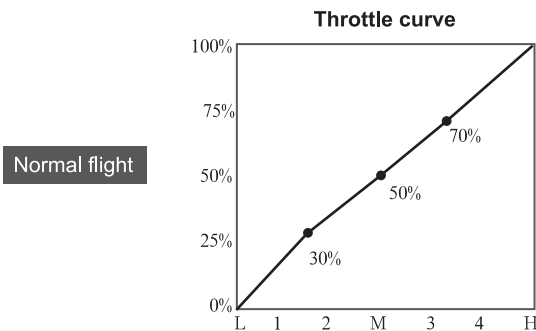


(5) Output Setting

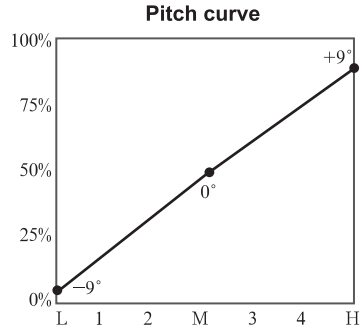
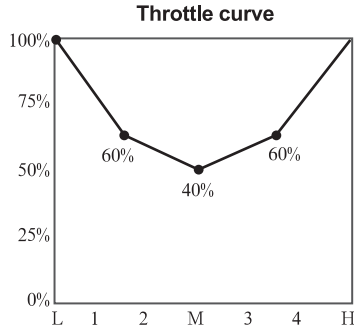
Press UP/DN to make the navigation mark choose "output" set, press R to increase point's output; the minimum amount is +100%; press L to decrease point' output amount; the maximum amount is -100%.

(6) There are "Normal Mode", "Stunt Mode" and "throttle hold" and so on. The PIT curve can be set Respectively at different models, the method of setting is as above. Press "EXT" key to exit after finishing.

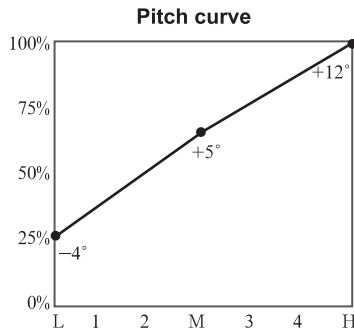
The basic examples are only for your reference. Adjustment to the real flights is a must.



Flight mode 2



Autorotation landing



3.12 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 navigational 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 navigational 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.



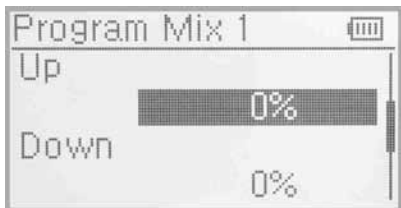
(1.1) Master channel setting



(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:

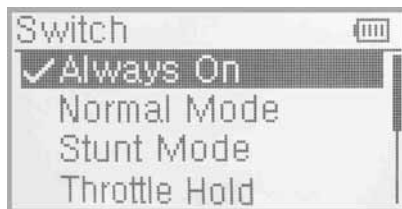
Mix amount setting when elevator stick moved backward. Press UP or DN to move the navigational mark to select Down item. Press R or L to increase or decrease, separately, the mix amount. It is possible to reverse mix direction through changing the plus or minus sign before amount. The adjustable range 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 the UP or DN key to make the navigation mark to choose the Switch setting item. Press ENT key to enter the interface of Switch Option and then press UP or DN key to choose the Switch Item which needs to be set. Press ENT key for sure to make the left sign marked with “√”.



(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 navigational 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 navigational 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 buttons. The Curve Pitch will become round if the ON button is choosen.If you don't adjust the Pitch Curve Funtion, then choose OFF button.

(2.4) Point Setting

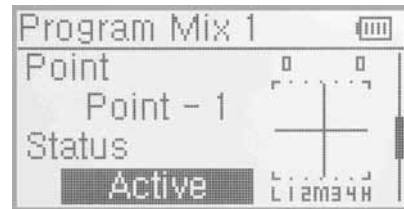
Press UP or DN to enter the setting interface of Point. Press R or L keys of setting point,there are “point-L”, “point -1”, “point -2”, “point -M”, “point -3”, “point -4”, “point -H”. Choose the points need adjusting.

(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



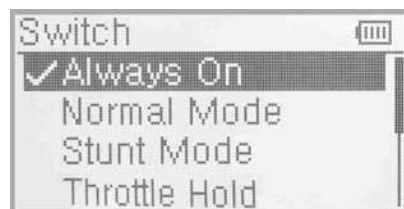
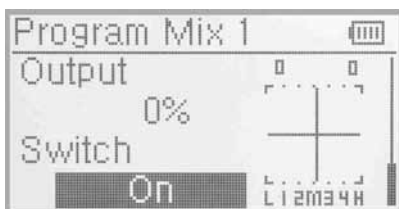
(2.5) State Setting

(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 move the navigation mark of Switch and press ENT to enter Switch interface and then press UP or DN to select the Switch option. Press ENT to make a “√” mark to the choosed switch. There are Always on,Normal Mode, Stunt Mode,Throttle Hold switch options.

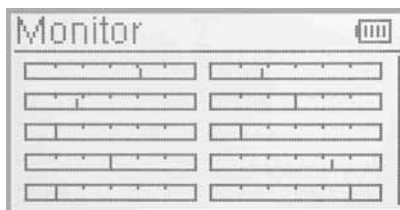


Press EXT key to return to the previous interface for other settings or press EXT key to exit after finished.

3.13 Monitor

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

Press ENT to enter Main Menu, and then press UP or DN to move the navigational mark to select Function Menu. Press ENT to enter the Function 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 .



3.14 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 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 Function Menu. Press ENT to enter the Function 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 an expanded sub-item below. 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.

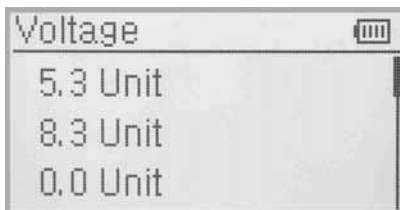
Note: checking whether all the actions when fail safe happened are correct, is a must after the setting is finished. It is dangerous to use full throttle, especially after fail safe taken place.

3.15 Sensor View

The function can be performed by setting up "activate" in the "Model Menu" the receiver also has telemetry.

Setting method: Press ENT to enter the Main Menu and press UP or DN to move the navigational mark to select Function Menu. Then press ENT to enter the Function 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 inhibit shown on the view. If all work normal, all the measured data will be shown.

(1) Voltage: Show 3 different measured voltage value;



(2) Temperature: Show 4 different measured temperature value;

