



AURORA9 Software Update Function Modification Contents

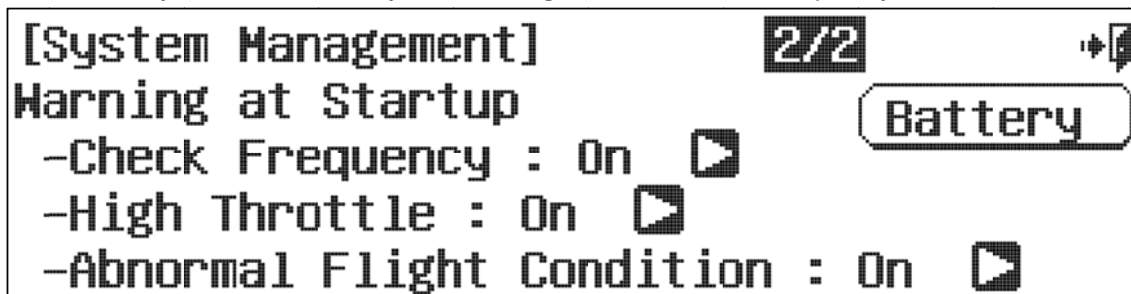
(Version : 1.07(2) > 1.08(0))

Update Function

[Frequency Check]

"Frequency check" This allows the user to decide if they want to confirm the model before transmitting. If "check frequency" option is deactivated, the radio will transmit immediately after it is turned on. Note there is no warning as to what model you are on, so *always* make sure to do a pre-flight check to determine if the proper model is selected.

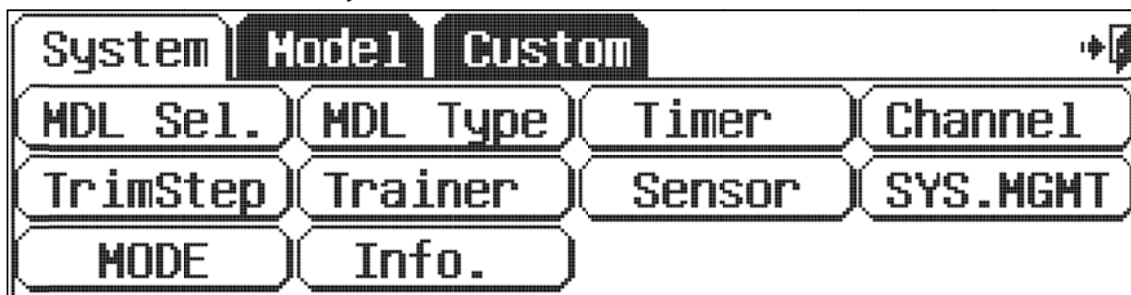
Enter into "System menu" → System management → Check frequency → On or Off



[Battery Warning setting Function for telemetry]

The Telemetric Low Battery warning screen is now accessible even when receiver is not connected to the transmitter.

- Select "Sensor" in System menu.



- Select "Battery".



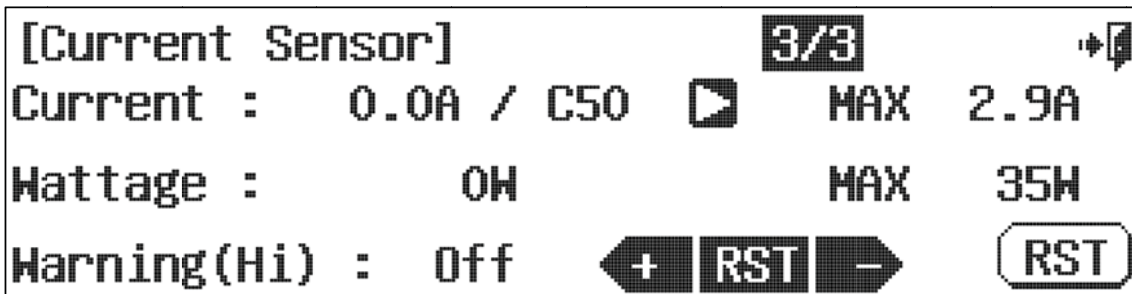
c. Receiver (or SPC) battery warning setting screen. (This is the same as V1.07.)



d. Additional voltage sensor screen (up to 100v) which is available when using the "Electric" Sensor Station (HTS-SS Blue).



a. Current sensor screen (up to 50A or 200A) which is available when using the "Electric" Sensor Station (HTS-SS Blue). Tap on the triangle to select the amp sensor used. A high amperage warning can also be set.



[Aileron Differential]

The Aileron Differential function has now been improved and simplified.

- For easier Aileron differential adjustment, the "Rate" setting mode has been added for basic Aileron differential adjustment. In this mode, left/right wing's Aileron differential will be set simultaneously.
- Fine tuning can be done by accessing each side of the travel on each aileron if needed. (Standard in V1.07 and earlier.)



[Camber Mix]

Camber mix function has been improved and OST (Off-Set) function has been added.

- Previously, the default control for Camber mix has been <RS>. Now, default has been changed to <Null> so the user can decide how to control this function. Tap on the triangle to select or change the control method.
- When a switch is not assigned for camber mix, default will be "On."
- Servo movement in Camber mix has been increased for more travel if needed.
- The OST (Off-set) function has been added. With OST function, the neutral position can be changed if needed.



[Rudder → Elevator Mix]

Rudder → Elevator mix function has been added. This is useful for “Knife Edge” flight. Hint: Use the Adjust Function option in the switch menu and assign it to one of the rocker switches (LT,CT, or RT) to fine tune the mix while in flight.

- a. Select “RUD→ELE” in Model menu.

The screenshot shows the transmitter's menu structure. At the top, the 'Custom' menu is selected, showing 'RUD→ELE' as the active function. Below this, the 'RUD to ELEV Mix' screen is displayed. It shows 'Mix: On NORMAL' and 'Rate L: +30% EXP: 0% R: +30% DST: 0%'. A graph shows a curve for the mix. The 'Switch' is set to 'NULL' and 'INH' is also visible. Navigation buttons '+', 'RST', and '-' are at the bottom.

[Travel Limit]

The “Travel Limit” function has been added. This allows for setting a maximum travel limit to prevent the servos from being overdriven if one or more mix is affecting them. Think of it as “Ultimate” EPA’s.

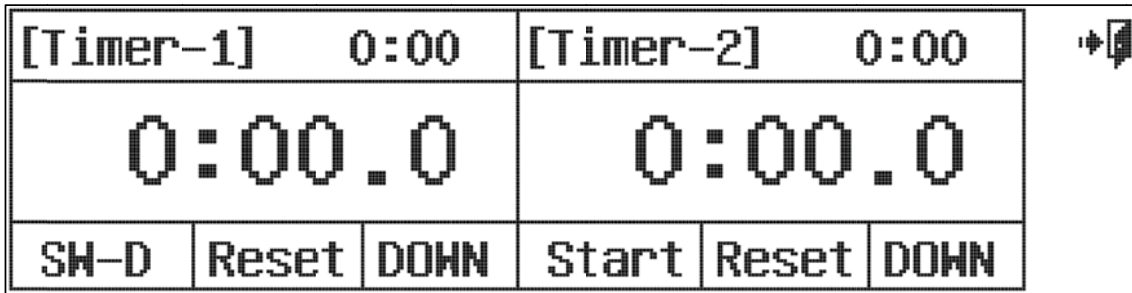
- a. Select “T.Limit” in Model menu to access.
- b. The default value is 150%. Adjust each side down from there if needed.

The screenshot shows the transmitter's menu structure. At the top, the 'Custom' menu is selected, showing 'E P A' as the active function. Below this, the 'Travel Limit' screen is displayed. It shows a table of channels and their limits. The 'Switch' is set to 'NULL' and 'INH' is also visible. Navigation buttons '+', 'RST', and '-' are at the bottom.

Channel	Limit
Ch1 AILE	L 150%
Ch2 ELEV	D 150%
Ch3 THRO	H 150%
Ch4 RUDD	L 150%
Ch5 AUX1	+ 150%
	R 150%
	U 150%
	L 150%
	R 150%
	- 150%

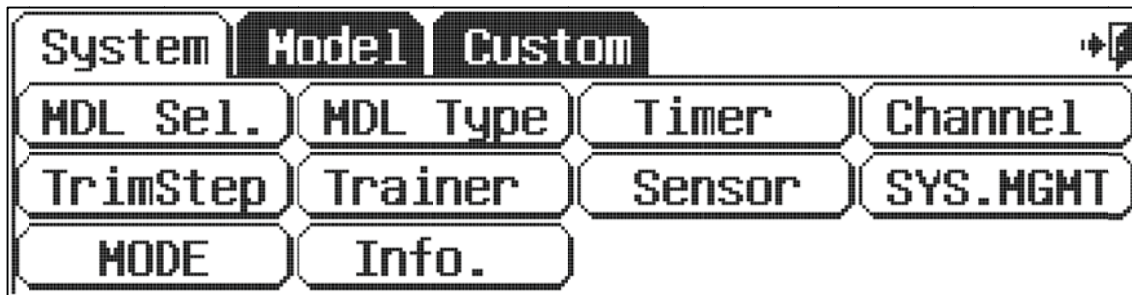
[Timer]

A bigger timer screen has been added. You can enter into Timer setting mode by pressing "[Timer-1]" or "[Timer-2]" on the below timer screen. The settings remain the same as V1.07.

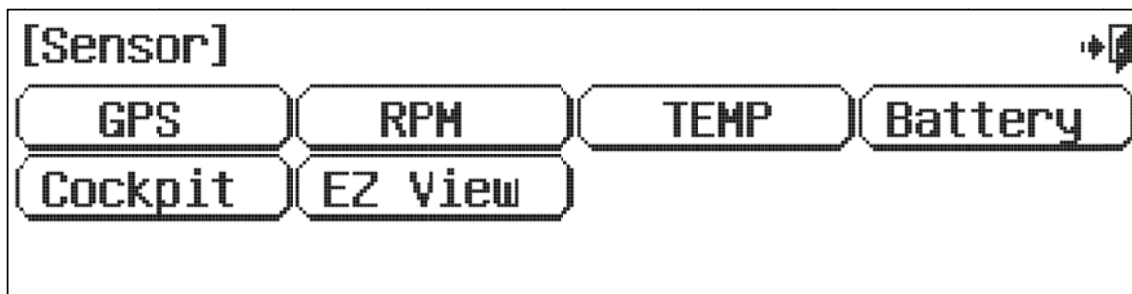


[Telemetry EZ View Function]

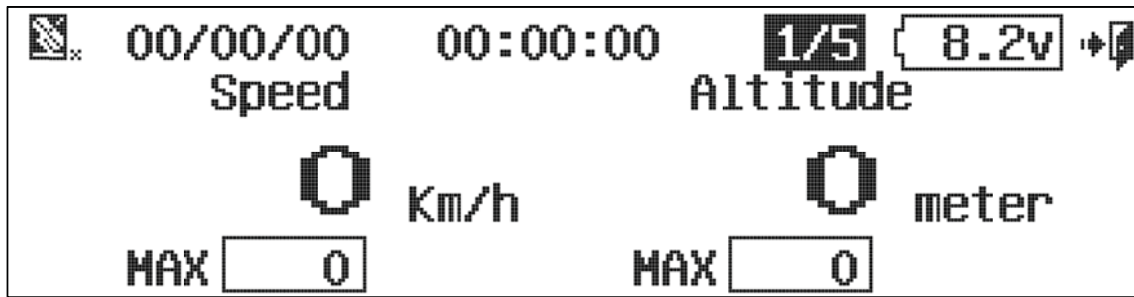
- a. The new EZ View screen has been added for easier telemetry monitoring. There are 5 different pages for GPS, Voltage/Current, RPM and Temperature (2 temp pages).
- b. Select "Sensor".



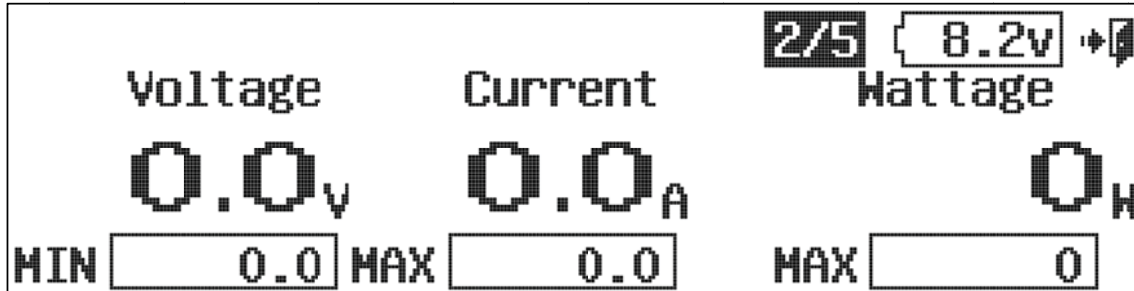
- c. Select "EZ view".



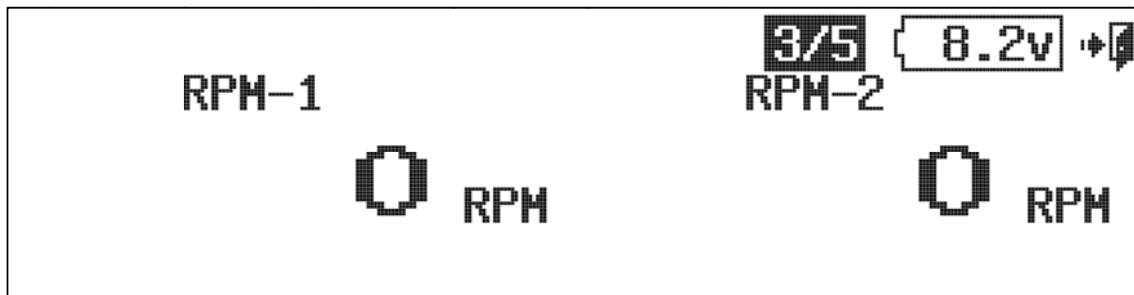
d. Speed/Altitude. Note: The value is store until the transmitter is turned off.



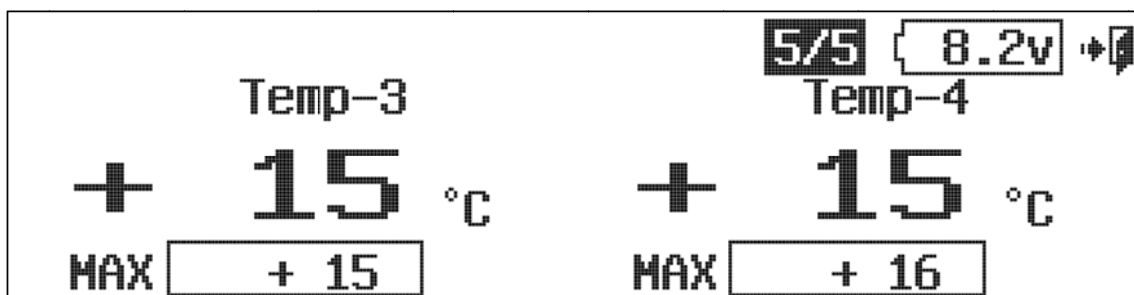
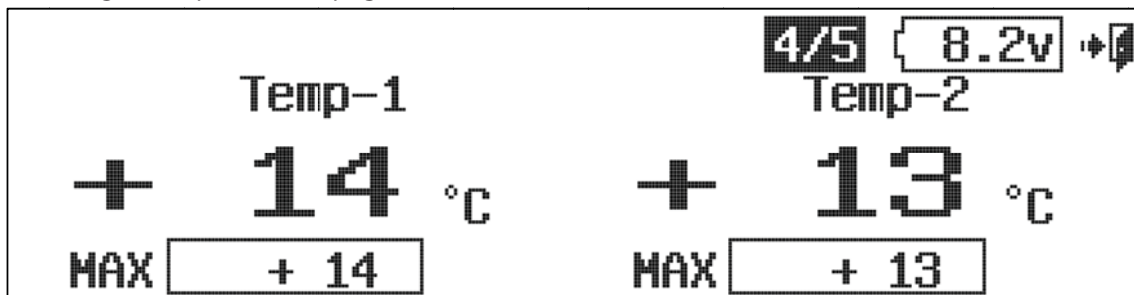
e. Voltage/Current/Wattage monitoring is available when using the "Electric" Sensor Station(HTS-SS Blue) with Amperage sensors. Note: Min/Max values are stored.



f. RPM display.



g. Temp screens (page's 4/5)



Modified Functions

1. When Throttle lock is activated by the toggle switch, the Touch lock function (Throttle lock by touch screen) will not be available and screen now shows throttle lock status.
2. When a specific model is reset, the model name & model type will remain while the model data will be set back to factory default.
3. Warning at start-up (Check frequency, High Throttle, Abnormal Flight condition warning) can be applied to all models at the same time.
4. The B-Fly (Butterfly/Crow) function has been improved. The servo movement has been increased for more travel without the use of the adjust function setting.
5. Flap-Control function has been improved. "Flaps up" will correspond with the slider or switch in the up positions, "Flaps down" will correspond with the slider or switch in the down position. (Opposite to V1.07 or earlier.)
6. "Speed" of motor control on Servo monitor screen has been normalized when the RF is off.
7. By pressing the "Exit Icon" (door icon) for 2 sec., the screen will return to the home screen. This saves having to hit the icon multiple times to back out of a menu.
8. Models will scroll in groups of 4 (one page.) Currently, scrolling is one by one.
9. The EXPO has been modified to be more aggressive for more precise control when flying with high/3D control surface throws.

Warning : After updating to the V1.08 (or any) firmware, it is strongly recommended to check the individual model settings and data plus their actual operation on the control surfaces before flying. If a particular mix does not appear to work, inhibit it and then re-activate it, and this should resolve the problem.

Final Thoughts: We hope you enjoy the new enhancements to the Aurora 9; many of these are due, in part to you, the actual users. Your input inspired much of what is in the V1.08 update, and we thank you for helping us make a great product even better. Don't hesitate to let us know if you have any more suggestions of ways we can improve the Aurora.... The way we look at it, is we're all part of the Hitec family so it's your radio too!

Happy flying!!!