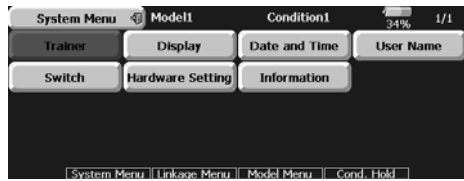


【T14MZ New functions】 Software version : Editor Ver.1.1.0 , Encoder Ver.1.37

Hardware setting

This function is for adjusting the sticks, switches and trim characteristics.

[System menu]



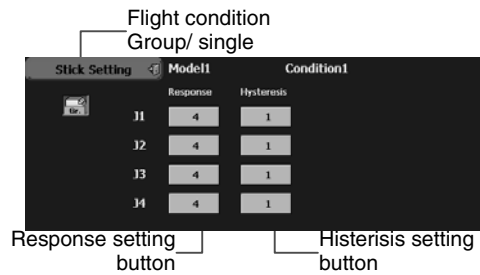
Push the "Hardware setting" button on the system menu. The LCD displays as below. The hardware reverse function is the same as before.



Stick setting

This function adjusts the stick's response and histerisis (null control). You can set your favorite control feeling on each flight condition.

Push the "stick setting" button on the hardware setting screen. The LCD displays as below.



Adjusting the stick response

1. Push the response button for either stick you want to adjust. The rate adjustment button appears.
2. Adjust the stick response by pushing the rate button. Default: 4
Adjusting ranges: 1-32 (the greater value produces response)

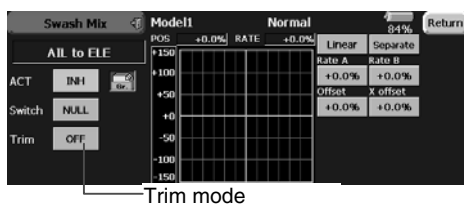
Adjusting the histerisis

1. Push the histerisis button either stick you want to adjust. The rate adjustment button appears.
2. Adjust the histerisis by pushing the rate button. Default: 1
Adjusting ranges: 0-32 (the grater value is to be more histerisis)

Push the "stick setting" button after finished the setting.

Swash mixing (Heli mixing)

The trim selection button is added.



Trim on /off setting

You can select mixing characteristics either with trim or without trim.

Changes the operation with model changes and frequency changes

The current software requires turning off the power switch when the model is changed or frequency is changed. The new version software moves to the confirmation screen of the radio after that operation. You will not be required to turn off the power switch as often, and continuous operation is available.

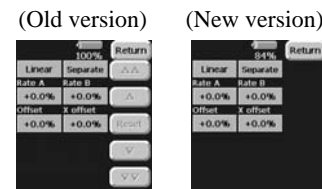
Change in how the buttons in the "Curve Setting", "Model Select" and "Condition Select" screens are shown.

Although the previous version displayed the invalid buttons in grey, the new version has completely eliminated them from the screen in order to avoid confusion.

(Example: Curve setting screen)

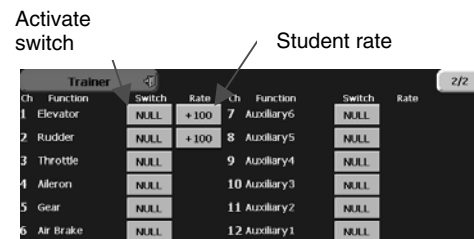
The new version shows the rate adjustment buttons in their full brightness such as the arrow and reset buttons when an item that needs rate adjustment is selected.

Meanwhile, it does not show them when an item that does not need rate adjustment is selected.



Trainer

Setting data are stored to model data. Student rate can be adjusted at MIX and FUNC mode. Activated student channels can be selected by switches.



Set the trainer mode to either MIX or FUNC mode. The rate buttons appear on the 2nd page of the trainer screen. Set the student rate as desired.

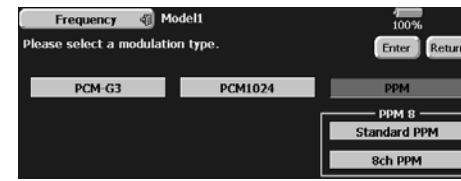
Push the switch button and select the desire switch.

Model select

Back to start-up screen when the model is changed.
Back to start-up screen when new model is added.

PPM modulation (for Europe and USA version only)

Added the modulation polarity selection at PPM mode.
Added 12 channels PPM mode.



The additional dialog box appears when the PPM modulation is set. Push the upper side button to select the PPM polarity. The Standard PPM corresponds to FUTABA receivers. Push lower side button to select the PPM channels. There are 3 kinds of selections, 8ch PPM, 12ch PPM (N 1.5), 12ch PPM (N 1.3). N means neutral pulse width.

PCM1024 10ch mode (for Europe and USA version only)

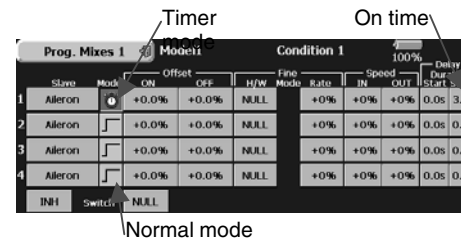
Added 10th channel of the PCM1024 mode.

The DG2 button is added on the function menu at the PCM1024 mode. It is 10th channel control selection.

(Caution: The current 9ch receiver must be modified at your service department to use the 10th channel.)

PMIX

Added the timer mode on the offset PMIX mode. The on time can be set up to 9 seconds. It is useful for landing gear control of a Jet or scale plane, etc.



Expanded the delay time to 9 seconds (all PMIX).

Added the ALT switching mode on mixing on/off control (all PMIX).

Speed and condition delay time

Adjusting values are increased to 0-27. The delay time is doubled to 26 and four times to 27 compared to 25. The 0-25 delay times are unchanged. Some Jet pilot asked to extend the delay time for engine starting up.

Fine-tuning aileron differential and butterfly differential

Both up and down moving rate are adjusted simultaneously. When you increase the up side, the down side is decreased.

The butterfly differential fine tune rate is increased to 0-120 %.

Flap trim

The flap-flap4 trim can be set and activated individually on the function menu.

Condition delay of the camber and butterfly

The condition delay button of the camber and butterfly on the condition menu are eliminated. They can be set by the camber mix and butterfly mix menu alternately.

Idle down

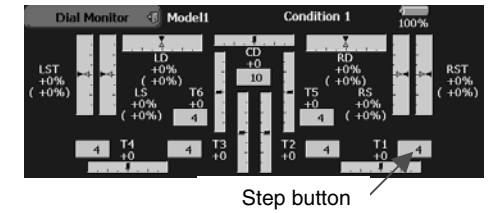
The amount of the servo travel is double. The rate adjustment range is the same as 0-100 %. The rate data is automatically changed to a half when the update is done so that the servo travel should be same as before setting.

RF power on/off

The RF-off button is added on the home screen at the RF is not activated condition. You can go back to the RF on/off selection screen to push the RF-off button without the power switch turned off.

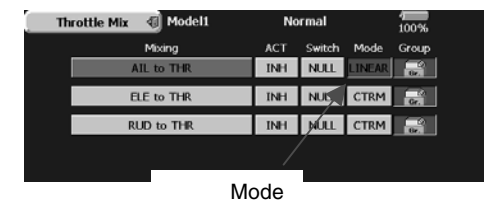
Dial monitor

The trim step of the T1-T6 (T1-T8 for FX-40) and CD can be set directly on the dial monitor menu.



Throttle mixing on Helicopter mode

The linear and CTRM working mode are added. The current one has only CTRM mode (the mixing rate is reduced by the throttle stick high and low position). The linear mode gives constant mixing rate to all the throttle stick ranges.

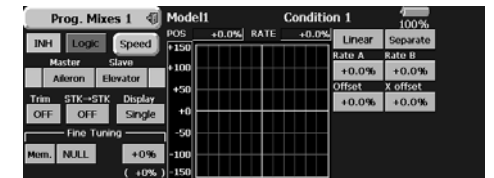


Logic switch

The Logic switch can activate functions by some switches combination.

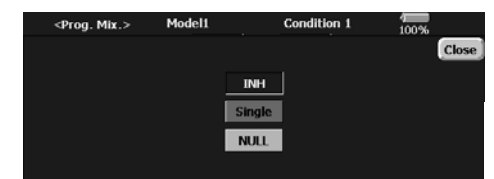
Can be set up to 4 switch combinations.

The Logic switch can be assigned to the mixing function as well as the flight condition select (except for Snap roll function on airplane mode).



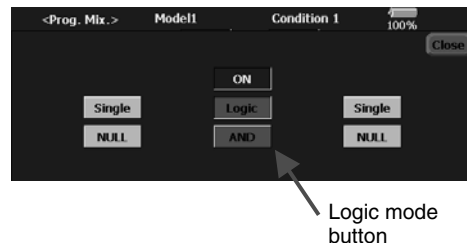
Directions

1. Push the switch selection button.
2. The switch selection screen appears and displays the status. *In case of the flight condition select, the top of the switch on/off status display is not shown.



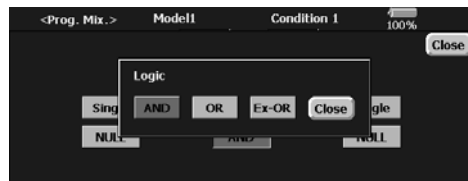
The display of the mixing on/off switch selection
3. The switch mode display is changed by pushing the switch mode button. The switch selection button is changed to the logic equation button by selecting the logic switch mode. At the

logic switch mode, the switch selection buttons appear on both the left and right side of the display.



Logic mode button

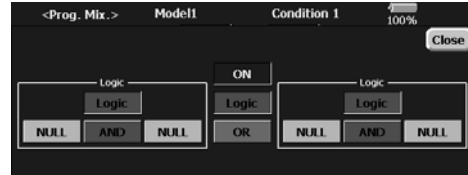
4. The logic selection dialogue appears when you push the logic mode button. The 3 types of logic, either AND, OR or EX-OR, can be selected.



Logic combination table

SWITCH		LOGIC		
SW1	SW2	AND	OR	Ex-OR
off	off	off	off	off
off	on	off	on	on
on	off	off	on	on
on	on	on	on	off

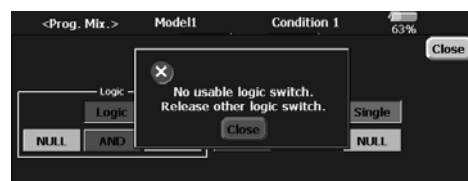
5. The left and right side of the switch mode can be set to the logic switch mode as well. In this case, a maximum of 4 switches can be assigned to the logic switch. The left and right logic are calculated first, then the center of the logic is calculated. Finally, switch on/off status determined by the 4 switches' combination.



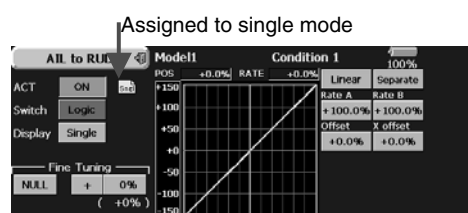
In the above case, the SW-A and SW-B are calculated by AND logic. Next the SW-C and SW-D are calculated as same way. Finally the first case and 2nd case are calculated by OR logic.

*Caution

1. The maximum number of the logic switch is 10 for the flight condition select and 8 for the mixing on/off selection on each flight condition. The error message will appear when the exceeded logic switch is going to be selected. In this case, delete the unused logic switch first, then select the new logic switch.

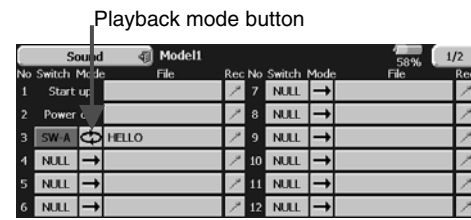


2. The mixing on/off switch modes are automatically assigned by single mode, not supported the group mode.



Sound playback

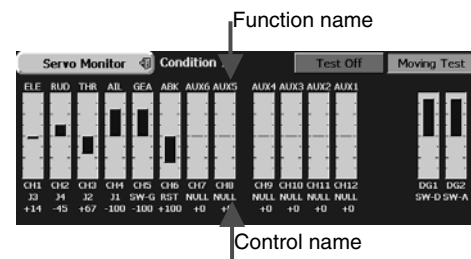
The repeating mode is added on the sound playback. When you select the playback mode button's repeat mode (🔄), the selected



sound is playback repeatedly while the switch is on.

Servo monitor

The display of the servo monitor is added the function control name and changed from model name to flight condition name.

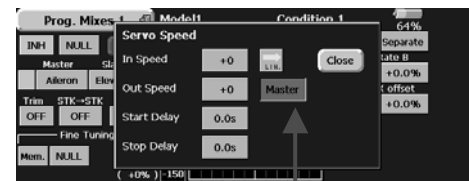


Function name

Control name

Programmable mixing

The speed mode selection is added on the programmable mixing. The slave mode works same as current speed function. The master mode is a new feature. The servo movement is traced by the setting curve at the master mode. The trace speed is adjusted by in and out speed same as before.



Speed mode selection button

Directions

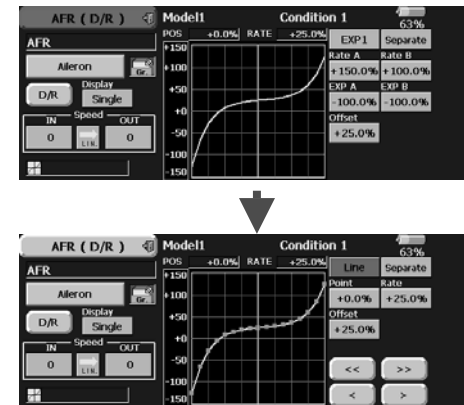
1. Select the programmable mixing to curve mode and push the speed button.
2. Push the speed mode button to master mode.
3. Set desired in and out speed.
4. Select the master channel to any toggle switch.
5. The slave channel's servo traces the setting curve as the master toggle switch is moved. Below the case, AUX1 servo traces an EXP1 curve as the SW-F is operated.



Curve mode

The curve shape is inherited when the curve mode is changed.

Example. Changes from EXP1 to Linear curve mode.



Changed to line or spline mode, the curve is retrieved as 17 points curve.

The Rate A and Rate B are inherited on the linear, EXP1, EXP2 and VTR.

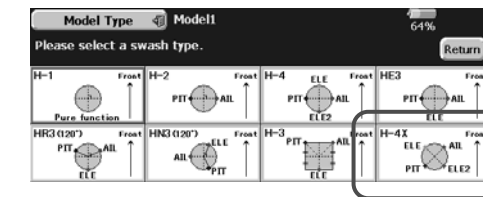
Other data except Rate A and Rate B are retrieved from the previous setting data when changing the curve mode.

At the curve mode changes, the dialogue box asks whether the current curve is reset or inherited. The default curve is used when selecting the Yes button on the confirmation dialogue.



Model type

The H-4X model type is added to the heli mode.

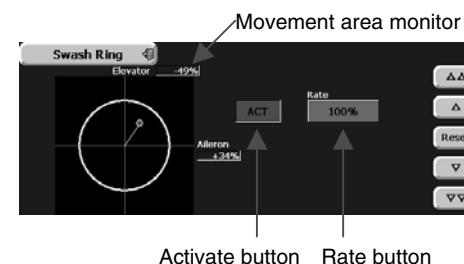


* The H-4X mode turns the swash plate to 45 degree from H-4 swash. It is familiar for big scale heli. Currently, H-4 mode and using the swash mixing makes the operation. Using the H-4X, no swash mixing is needed (must be inhibited the swash mixing). The linkage compensation on the swash detail setting is also available with H-4X mode.

Motor mixing

The motor mixing is added to the Airplane mode. The warning message is appears when the mixing is on status at the power on for safety.

Swash ring [for Heli setting]



Movement area monitor

Activate button Rate button

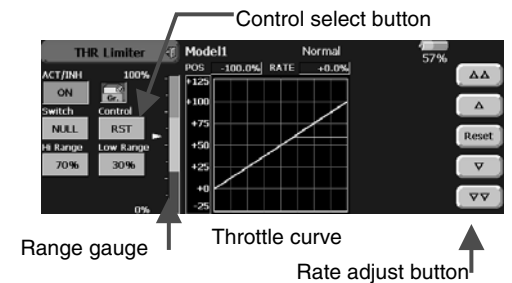
This function limits the decline of the swash plate to prevent linkage damage as the aileron and elevator operation is added. It is useful for 3D heli setting.

Directions

1. Push the Swash ring button on the linkage menu.
2. Push ACT/INH button to activate. The movement area monitor shows the current aileron and elevator values and limit ranges by the yellow circle.
3. Adjust the rate to the maximum amount of swash plate decline. The swash movement is limited within the circle. The rate adjustment range is 50~200%.

Throttle limiter [for Heli setting]

This function limits the high range of the throttle movement by any slider or trimmer. The adjustment range of the high and low end can be set.



Control select button

Range gauge

Throttle curve

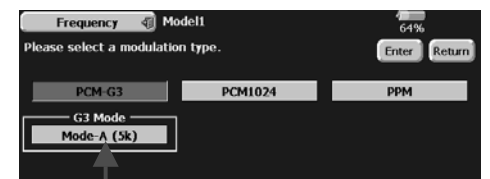
Rate adjust button

Directions

1. Push the Throttle limiter button on the model menu.
2. Activate the mixing and select the on/off switch.
3. Select the control for adjustment of the high limit.
4. Set the high range. The range gauge shows the setting position.
5. Set the low range same as high range setting.

PCM-G3 communication mode

Two PCM-G3 communication modes are added. The Mode-A is a current communication mode. Mode-B is a new one. The Mode-B is a more reliable communication mode than the Mode-A but the servo response is a little bit slower. Please choose either mode as required by your airfield.



Mode selection button

Directions

1. Open the frequency setting menu on the linkage menu.
2. Push modulation mode button to PCM-G3 mode.
3. Select either Mode-A or Mode-B and push the Enter button.
4. The confirmation screen appears. Push yes button to activate the setting.

*Caution

1. The receiver must correspond to Mode-B. (R5014DPS does not support the Mode-B).
2. The servo response is about 20% slower than the Mode-A.

MODEL SELECT screen

Model names are displayed in the order of the latest model appearing at the top of the line. Currently, the old models are displayed on top of the line.