



# Futaba T4PX Transmitter Radio System User Guide

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## T4PX SOFTWARE UPDATE V1.4

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## T4PX Transmitter Radio System

After this software update, some of the T4PX features and functions described below may be altered. The instructions and information that follow are meant as a supplement to the original instruction manual that accompanied the T4PX transmitter. Please refer to the original instruction manual where applicable, but replace the steps indicated below with these instructions.

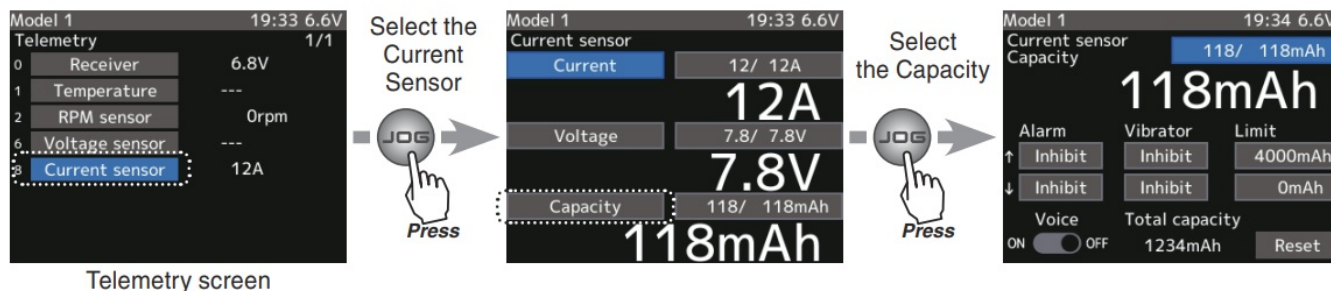
When copying model data onto another T4PX, make sure both radios are using the latest version of the software.

### Compatibility with telemetry current sensor.

This product is compatible with our electric current sensor SBS-01C (sold separately). When the electric current sensor is mounted on the vehicle, the electric current, voltage and consumption capacity of the power battery, etc., can be displayed.

Refer to p.131 of the T4PX instruction manual for the telemetry screen display.

Before using the electric current sensor, it is necessary to register the sensor to the transmitter. Refer to p.138 of the T4PX instruction manual for how to register it.



The methods of setting alarm/ vibrator/limit are the same as for other sensors.

#### ◆ Consumption capacity display

Unless the reset button of SBS-01C is pressed, the consumption capacity measured by SBS-01C is maintained and displayed as “integrated capacity” on the screen. If you wish to measure the consumption capacity for one run, it is possible to reset the consumption capacity display on the transmitter by the next operation. However, the record of the integrated capacity of the SBS-01C main body cannot be reset by the function which resets the transmitter display.

#### (Reset operation)

When you select “Reset” by (JOG), and press the (JOG) button, the consumption capacity display is reset to 0. The consumption capacity from the time of reset is displayed until you reset it again. If you reset the consumption capacity by pressing the reset button of SBS-01C, the consumption capacity display on the transmitter is also reset.



**Caution:** The reset operation on the transmitter resets the integrated capacity display on the T4PX. It does not reset the integrated capacity on the SBS-01C. The consumption capacity measurement range of SBS-01C is 32767 mAh maximum. When this value is exceeded, the consumption capacity display on the transmitter is also reset automatically. Depending on the timing, reset may occur during measurement. Therefore, make sure to reset the integrated capacity on the SBS-01C before the integrated capacity display reaches 32767mAh.

#### Compatibility with non-Futaba sensors.

Refer to the sensor instruction manual for more information.

#### ■ Castle TL0

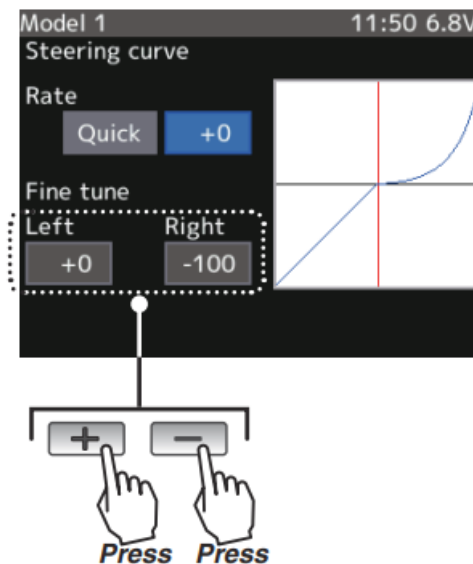
## Addition of steering curve (steering EXP) micro-adjustment function.

A micro-adjustment function which can adjust the rate for left and right independently was added to the steering curve.

For the steering curve (steering EXP) screen display, refer to the T4PX instruction manual.

### ◆ Steering curve (EXP) micro-adjustment

Using the (JOG) dial, select the rate in the direction you wish to change the setting. If you want to increase the speed of steering servo operation, adjust to the + side using the (+) button. To make it more gentle, adjust to the – side using the (–) button.



Mixing amount

-100~0~+100 Initial value: 0

Adjustment buttons

– Use the (+) and (–) buttons to make adjustments.

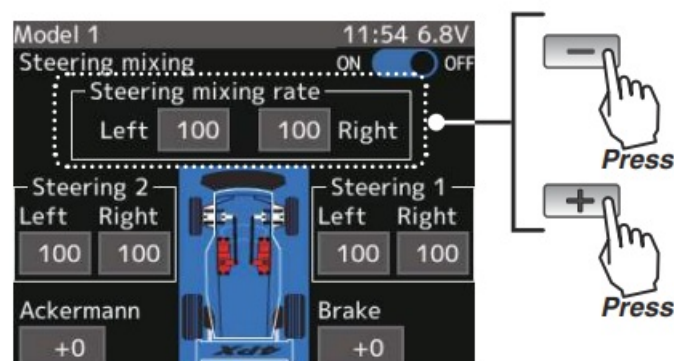
– Return to the initial value by pressing the (+) and (–) buttons simultaneously (approx. 1 sec).

## 4. Steering mix, addition of mix rate function / expansion of steering angle adjustment range

A mix rate function was added to steering mixing. By using the mix rate, the motions of the servos on the left and right sides of the steering can be adjusted at the same time. In addition, the range of the steering angle adjustment function for each servo was expanded to 140 maximum. As regards the display on the steering mix screen, refer to p.84 of the T4PX instruction manual.

### ◆ Mix rate adjustment

Select the “steering mix rate” using (JOG). Adjust each of the left/right steering angles using the (+) or (–) button, while turning the steering wheel hard-left or hard-right.



Mixing amount

-100~0~+100 Initial value: 0

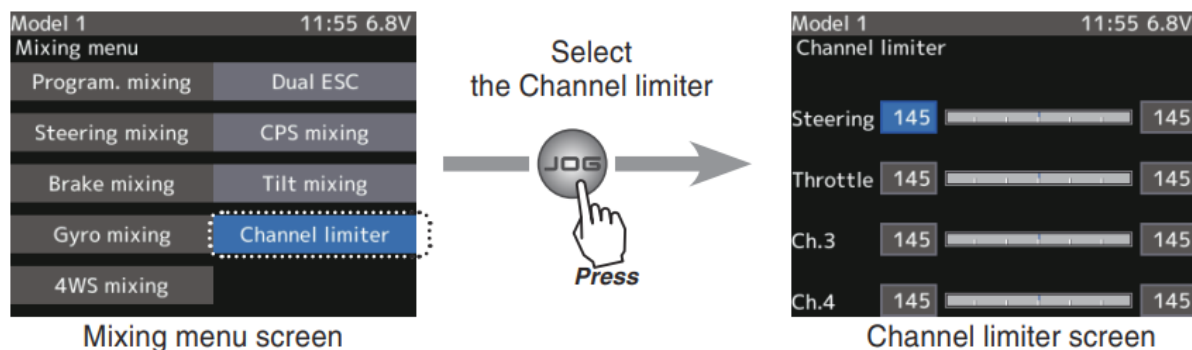
Adjustment buttons

– Use the (+) and (-) buttons to make adjustments.

– Return to the initial value by pressing the (+) and (-) buttons simultaneously (approx. 1 sec).

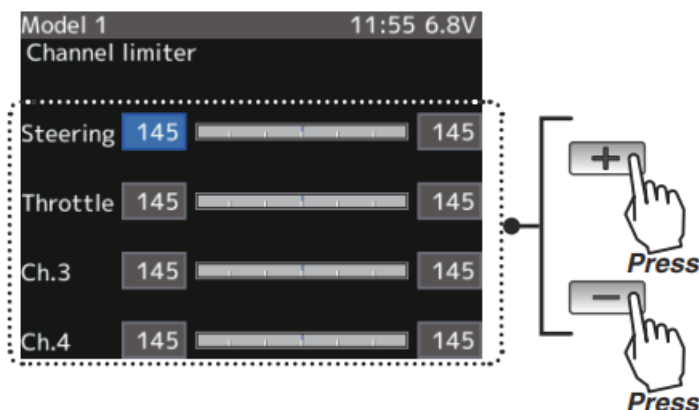
### Addition of channel limiter function.

A channel limiter function which limits maximum servo movement was added. By superimposing mixing, the linkage can be protected by setting the limiter in case the servo motion becomes unexpectedly large. The channel limiter screen is displayed from the mixing menu. As regards the mixing menu display, refer to p.79 of the T4PX instruction manual.



#### ◆ Mix rate adjustment

Select the “steering mix rate” using (JOG). Adjust each of the left/right steering angles using the (+) or (-) button, while turning the steering wheel hard-left or hard-right.



Mixing amount

-100~0~+100 Initial value: 0

Adjustment buttons

– Use the (+) and (-) buttons to make adjustments.

– Return to the initial value by pressing the (+) and (-) buttons simultaneously (approx. 1 sec).

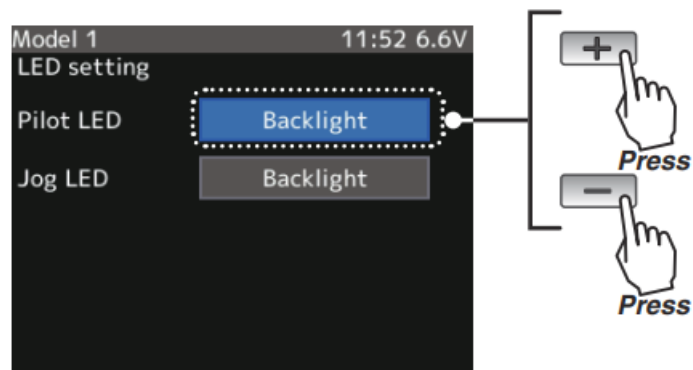
### Addition of backlight link function to pilot LED.

A backlight link function was added to the pilot LED.

The LED setting screen is displayed from the system menu. Refer to p.144 and 147 of the T4PX instruction manual.

#### ◆ Pilot LED setting

This setting is made by selecting “pilot LED” using(JOG), and pressing the (+) or (-) button.



#### Adjustment buttons

– Use the (+) and (-) buttons to make adjustments.

#### Setup items

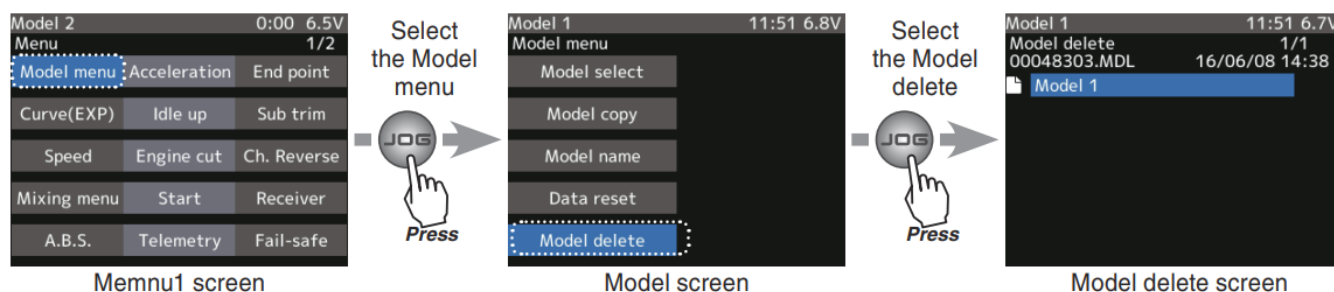
“Off” :Pilot LED OFF

“Always ON” :Pilot LED always ON

“Backlight” :In conjunction with the setting of the dimming time of the liquid crystal screen backlight, when the brightness falls, the light goes out. When the jog button and edit key are operated, it lights.

### Addition of card model data delete function

A function to delete the model data stored in the card was added. The model delete screen is displayed from the model menu screen in Menu 1. As regards the Menu 1 screen display, refer to p.43 of the T4PX instruction manual.



#### ◆ Use of SD card model data delete function

##### 1. (Calling of delete screen)

Operate (JOG) on the model menu screen, and select “Model delete”. When the (JOG) button is pressed, the model delete screen is displayed.

Caution: You can select “Model delete ” only when the SD card is set in the transmitter card slot.

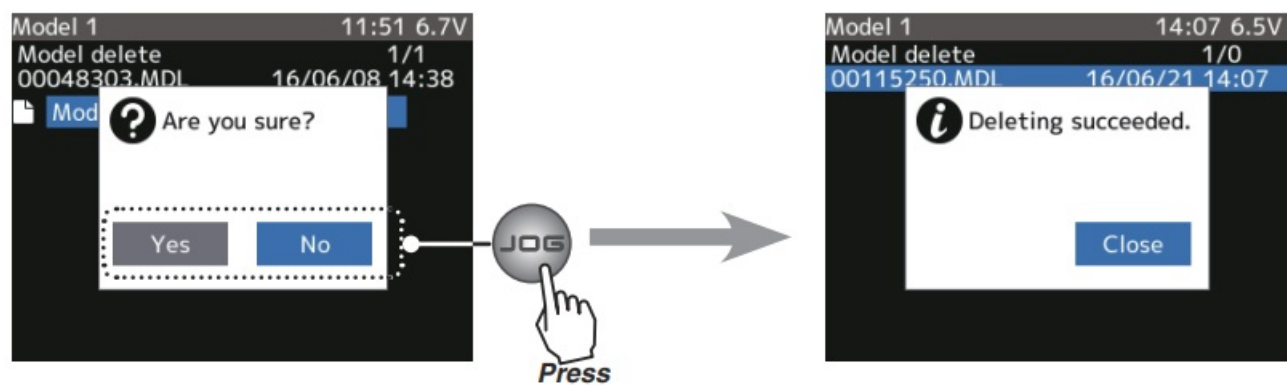
##### 2. (Model data selection)

Operate (JOG), and select the model data to be deleted. If you operate the (JOG) button upward from the top cursor position, or operate the (JOG) button downward from the bottom cursor position, the display will change to the next page.

##### 3. (Execution of model delete)

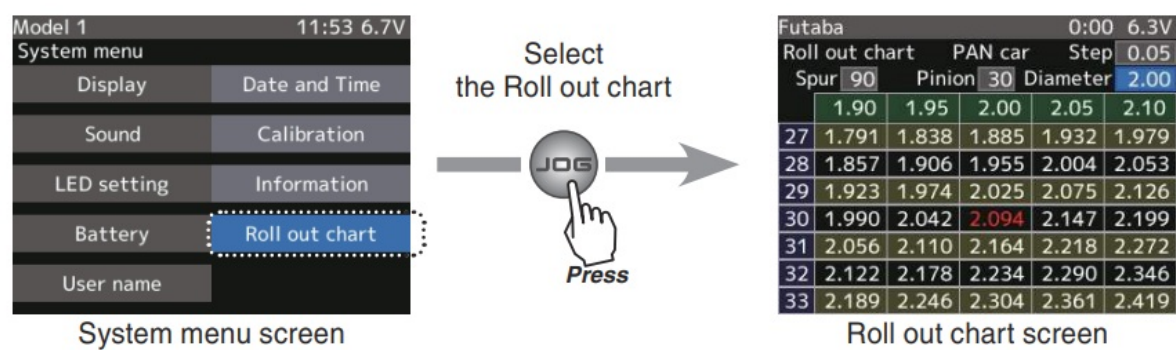
After a model is selected, press the (JOG) button. A confirmation message, “Are you sure?” will be displayed. If you would like to execute, select “YES”; if you would like to cancel, select “NO” by operating (JOG), and press

the (JOG) button. When delete is completed, the message “Deletion successful” will be displayed.



### Addition of index table function

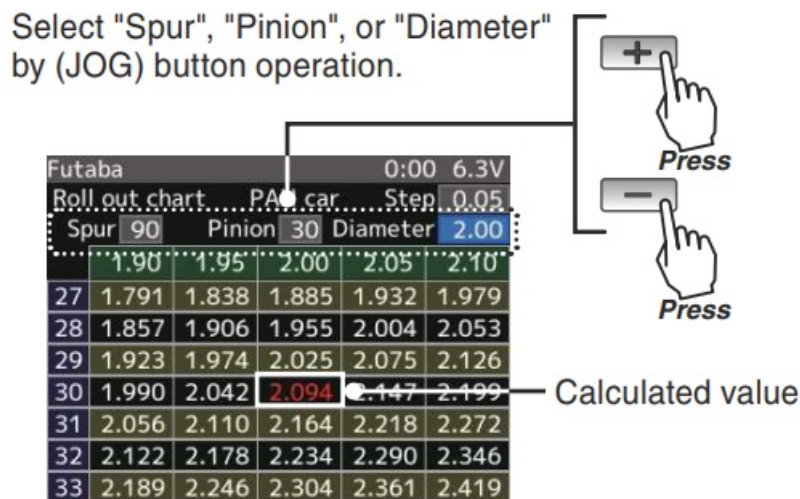
An index table function for a PAN car was added. The index can be calculated from input values for the number of teeth of the spur gear and pinion gear, and the tire diameter, and displayed as a table. The index table screen is displayed from the system menu screen. As regards system menu display, refer to p.143 of the T4PX instruction manual.



### ◆ Use of Roll out chart function

1. (Call of Roll out chart screen)  
Call the system menu, select “Roll out chart”, and press the (JOG) button.
2. (Setting of number of teeth of spur gear)  
This setting is made by selecting “Spur” using the (JOG) button, and pressing the (+) or (-) button. The roll out is then calculated, and the list is updated.
3. (Setting of number of teeth of pinion gear)  
This setting is made by selecting “Pinion” using the (JOG) button, and pressing the (+) or (-) button. The roll out is then calculated, and the list is updated.



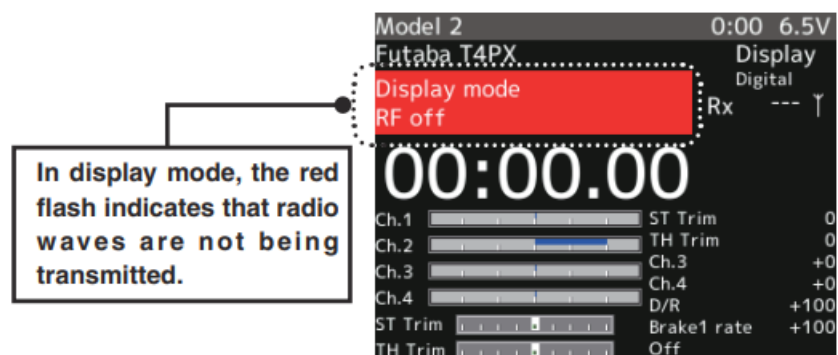


#### 4. (Setting of tire diameter)

This setting is made by selecting "Diameter" using the (JOG) button, and pressing the (+) or (-) button. The roll out is then calculated, and the list is updated.

### 9. Change of screen display when the display switch (DSP) is ON (Refer to p.16 of T4PX instruction manual)

When you turn on the power by using the display switch (DSP), radio waves are not transmitted. Therefore, we changed the display on the initial screen as shown in the right-hand figure.



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## Documents / Resources

	<p><a href="#">Futaba T4PX Transmitter Radio System [pdf] User Guide</a> T4PX Transmitter Radio System, T4PX, Transmitter Radio System, Radio System</p>
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