

# T6K SOFTWARE UPDATE CHANGES 2

## (Version: 2.0)

This software updates or alters the functions and features noted below. The instructions and information that follow are meant as a supplement to the original instruction manual that accompanied the T6K transmitter. Please refer to the original instruction manual where applicable, but replace the steps indicated below with these instructions. Please note that the software update will be finalized the first time that the T6K is powered up, after the software has been applied. As such, it may require a few moments before the Start screen appears.

Please check to ensure that the update has been installed.

- 1) Turn on the power switch with the + key and - key pressed in the power off state.
- 2) Confirm that the information in the display indicates the version numbers as noted above.

\*T6K V2.0 can use the model data of a previously saved model data, automatically copying it over during the update. Model data from a T6K that has V2.0 installed cannot be copied onto a T6K that has V1.0 still installed.

### Addition of the INT Timer

The previous Timer MODE was (UP)/(DOWN)/(DN-STP) . (UP-TH-INT)/(DN-TH-INT) were added in V2.0.

#### Integration Timer (UP-TH-INT, DN-TH-INT)

INT (integration) Timer is the function which changes progress of a timer according to the location of the throttle stick. When the throttle stick is raised for faster speed, the speed of the timer usually increases. With the throttle stick at mid-range speed, the timer speed decreases (to 50%). When the throttle is positioned at low end, the timer's progress stops. It's possible to set it in the time which fits power consumption of your fuselage.

#### ● Alarm (Vib)

The integration Timer audible alarm indicates the time by a beep from 10% and 0% before the set time.

\*The consumption of the battery/fuel is different depending on the conditions, so use an INT Timer as reference.

\*The INT (integration) time is different from the actual elapsed time.

**High**

**Middle**

**Low**

**When a throttle stick is the high side, the speed of the timer usually increases.**

**When a throttle stick is middle-speed, the timer speed decreases (by 50%).**

**When a throttle stick is low, timer progress stops.**

**Displaying the timer on the home screen**

TIMER 0:42.39  
TIME ▶ 0:12.00 20%  
MODE ▶ UP-TH-INT  
START ▶ SWA ▶ DOWN  
RESET ▶ SWB ▶ DOWN  
VIB ▶ TYP1

**Elapsed time**

**INT (integration) time**

**INT time (%)**

03 MODEL-03 TFHSS  
T ▶ 00:12.03  
M ▶ 20%  
MDL 7:39  
SYS 7:39  
• 0 • 0 0 • 0

● **UP-TH-INT:** Count up integration timer

● **DN-TH-INT:** Count down integration timer

**● Example**

When it's connected with the throttle stick, a START of a timer can be used more easily.

The setting example which starts an INT timer when a throttle stick exceeds 2%.

TIMER 0:51.06  
TIME ▶ 0:30.01  
MODE ▶ UP-TH-INT  
START ▶ THR ▶ ↑ 2  
RESET ▶ SWB ▶ DOWN  
VIB ▶ TYP1

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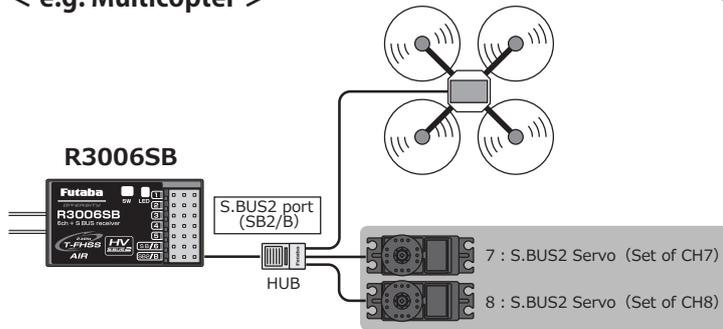
\*T6K V2.0 can use the model data of a previously saved model data, automatically copying it over during the update. Model data from a T6K that has V2.0 installed cannot be copied onto a T6K that has V1.0 still installed.

## Addition of the channel 7 and channel 8

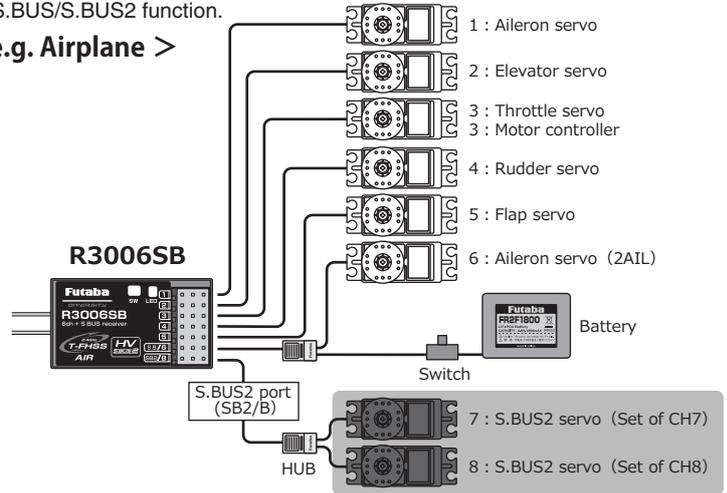
The previous T6K was a 6ch TX. 7-8 channels were added in V2.0.

\*R3006SB doesn't have 7-8 channels ports. When using 7-8 channels, use an S.BUS/S.BUS2 function.

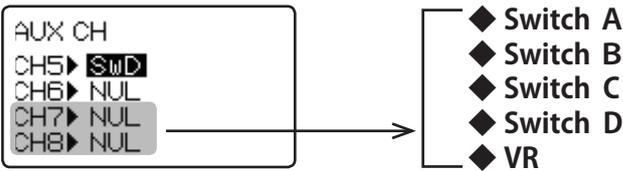
< e.g. Multicopter >



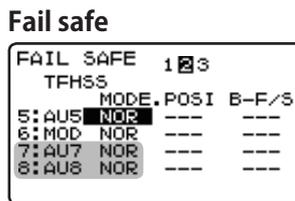
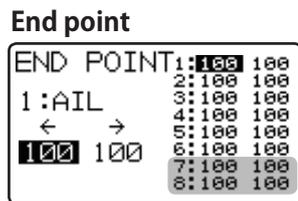
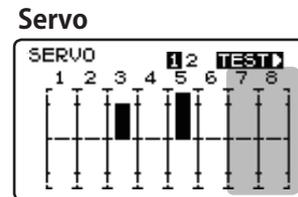
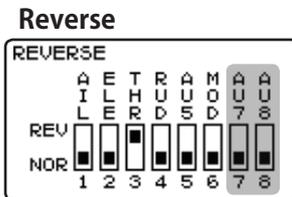
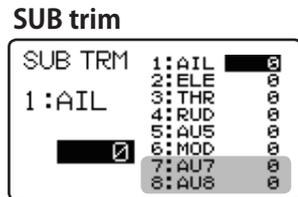
< e.g. Airplane >



Select the switch or volume of CH7-8

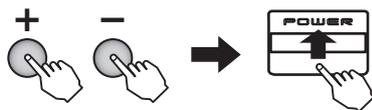


7-8 channel is added to each menu.

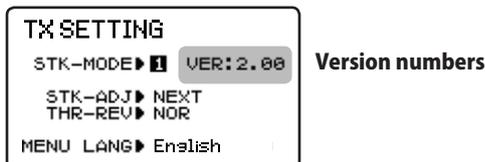


## Addition of a system version display

Additional display indicates the version numbers of the [TX SETTING].

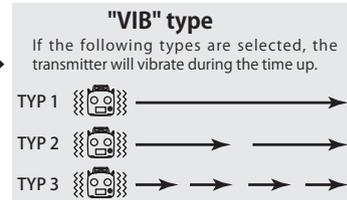
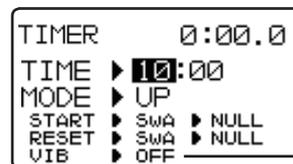


Turn on the power switch with the + key and - key pressed in the power off state. The screen shown at the next appears. To return to the home screen, turn off the power and then turn the power back on without pressing the keys.



## Addition of the timer vibrator indication of the timer

Once the time is reached, the vibrator motor will turn on. The type of vibration can be selected by the user.



## Addition of the MATRIX type of flight modes (MultiCopter type only)

5 flight modes can be set to PRIORITY type. 9 flight modes can be set to MATRIX type.

### ◆ PRIORITY TYPE e.g. Setting 5 flight modes in MultiCopter Model Type

[PRIORITY] is select by 3 pages.

FLY MOD 1 2 3

→NOR: CH5 CH6 CH7 CH8

FM1: 100 80 0 0

FM2: 60 0 0 0

FM3: 40 0 0 0

FM4: 20 0 0 0

FLY MOD 1 2 3

\*SW POSITION SW POSI

FM1: OFF SWA CHTR

FM2: OFF SWA DOWN

FM3: OFF SWC CHTR

FM4: OFF SWC DOWN

FLY MOD 1 2 3

TYPE: PRIORITY (MAX5)

CH5: INH

CH6: ACT

CH7: INH

CH8: INH

The mode change rate of the multicopter control box (CH6 use)

Flight mode change switch

CH6 sets the option to change modes.

SWA	SWC	Flight Mode
		Normal
		F-Mode 1
		F-Mode 2
		F-Mode 3
		F-Mode 4

### ◆ MATRIX TYPE e.g. Setting up the transmitter to operate the tilt of a camera using switches A and C.

[MATRIX] is select by 3 pages.

FLY MOD 1 2 3

SW1/2 CH5 CH6 CH7 CH8

U/U: 100 100 0 0

U/C: 100 50 0 0

U/D: 100 0 0 0

C/U: 50 100 0 0

C/C: 50 50 0 0

FLY MOD 1 2 3

SW1/2 CH5 CH6 CH7 CH8

C/D: 50 0 0 0

D/U: 0 100 0 0

D/C: 0 0 50 0

D/D: 0 0 0 0

FLY MOD 1 2 3

TYPE: MATRIX (MAX9)

CH5: INH

CH6: ACT

CH7: ACT

CH8: INH

SW1: SWA SW1 SWC

Camera tilt control rate

Camera tilt control rate

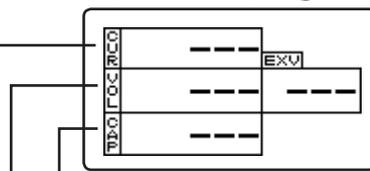
Activating CH6 and CH7 allows the functions to control the camera angle.

SWA	SWC	CAMERA CH6	Servo Rate CH7	Icon
		100	100	
		100	50	
		100	0	
		50	100	
		50	50	
		50	0	
		0	100	
		0	50	
		0	0	

## Addition of the current sensor and voltage sensor function

Compatible with the SBS-01C (current sensor) and SBS-01V (voltage sensor).

### [TELEMETRY] Page 2



The **SBS-01C** can monitor and display the in-flight current, voltage, and current consumption of the drive battery.

The **SBS-01V** can monitor and display the in-flight voltage of the drive battery.

\*Solder welding is required for instruction.

### [Current setting screen]

•"UP" indicates the alarm will start when the current reaches above your set value.

CURRENT

MIN/MAX= (ALARM) (VIB) (LIMIT)

UP▶INH ▶OFF ▶100

DN▶INH ▶OFF ▶0

SPEECH▶INH SW▶NULL

•"DN" indicates the alarm will start when the current reaches below your set value.

•The maximum and the minimum when powering ON are shown.

•Maximum and minimum date reset by pressing the **Jog key** for 1 second.

### [Voltage setting screen]

•"UP" indicates the alarm will start when the voltage reaches above your set value.

VOLTAGE

MIN/MAX= (ALARM) (VIB) (LIMIT)

UP▶INH ▶OFF ▶0

DN▶INH ▶OFF ▶0

SPEECH▶INH SW▶NULL

•"DN" indicates the alarm will start when the voltage reaches below your set value.

•The maximum and the minimum when powering ON are shown.

•Maximum and minimum date reset by pressing the **Jog key** for 1 second.

### [Capacity setting screen]

•"UP" indicates the alarm will start when the capacity reaches above your set value.

CAPACITY

MIN/MAX= (ALARM) (VIB) (LIMIT)

UP▶INH ▶OFF ▶10000

DN▶INH ▶OFF ▶0

SPEECH▶INH SW▶NULL

•"DN" indicates the alarm will start when the capacity reaches below your set value.

•The maximum and the minimum when powering ON are shown.

•Maximum and minimum date reset by pressing the **Jog key** for 1 second.