

T6K Software update manual

Your Futaba T6K transmitter programming can be updated easily online. When functions are added or improved, the update file can be downloaded from our website.

For more information, check out web site for FAQ regarding updating this product.

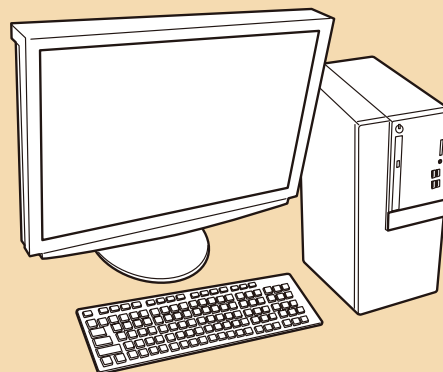
*The display screen is an example. The screen depends on the PC. T6K screens are subject to change without notice.

Required for update (Purchase separately)

CIU-3 or CIU-2 (optional)



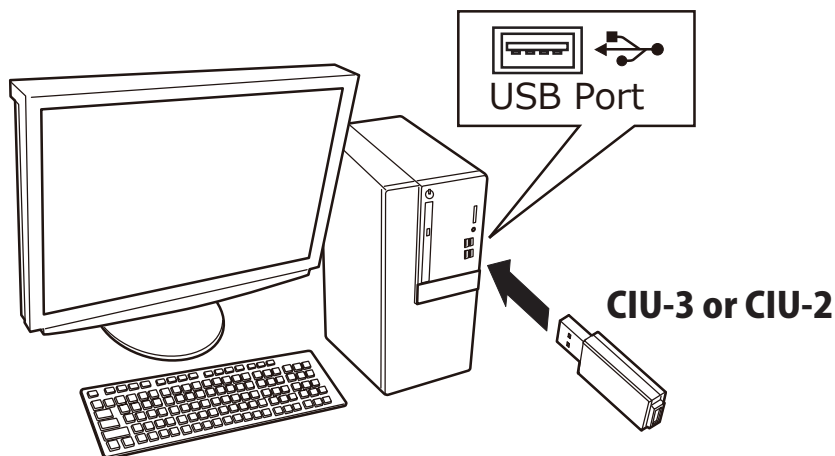
DSC cord (for updates of 4PV optional) or CGY750/GY701/GY520 Extensions (optional)



PC (Access is possible by the web)

Preparations

1. Install the driver for the CIU-3/CIU-2 onto your PC.



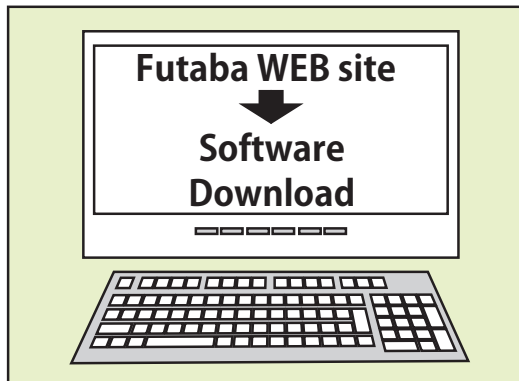
- ◆ When the **CIU-3** is first connected to the PC, once the CIU-3 is connected to the PC, download the recommended driver software Using Windows Vista, the "Found New Hardware Wizard" window appears on the screen. Click "Locate and install driver software".
- ◆ When the **CIU-2** is first connected to the PC; the "Found New Hardware Wizard" window appears on the screen. Install the drivers download from local Futaba Dealers Website.
- ◆ Refer to the manual of the CIU-3/CIU-2 for further information.

Updating procedure

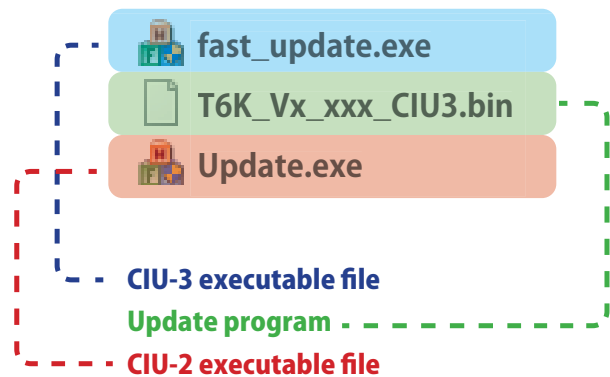
Note: If the battery fully discharges during program updating, updating will fail. When the remaining battery capacity is 50% or less, always recharge the battery before updating.

1. Download the zip file of the update data from our website or your local distributor's website.

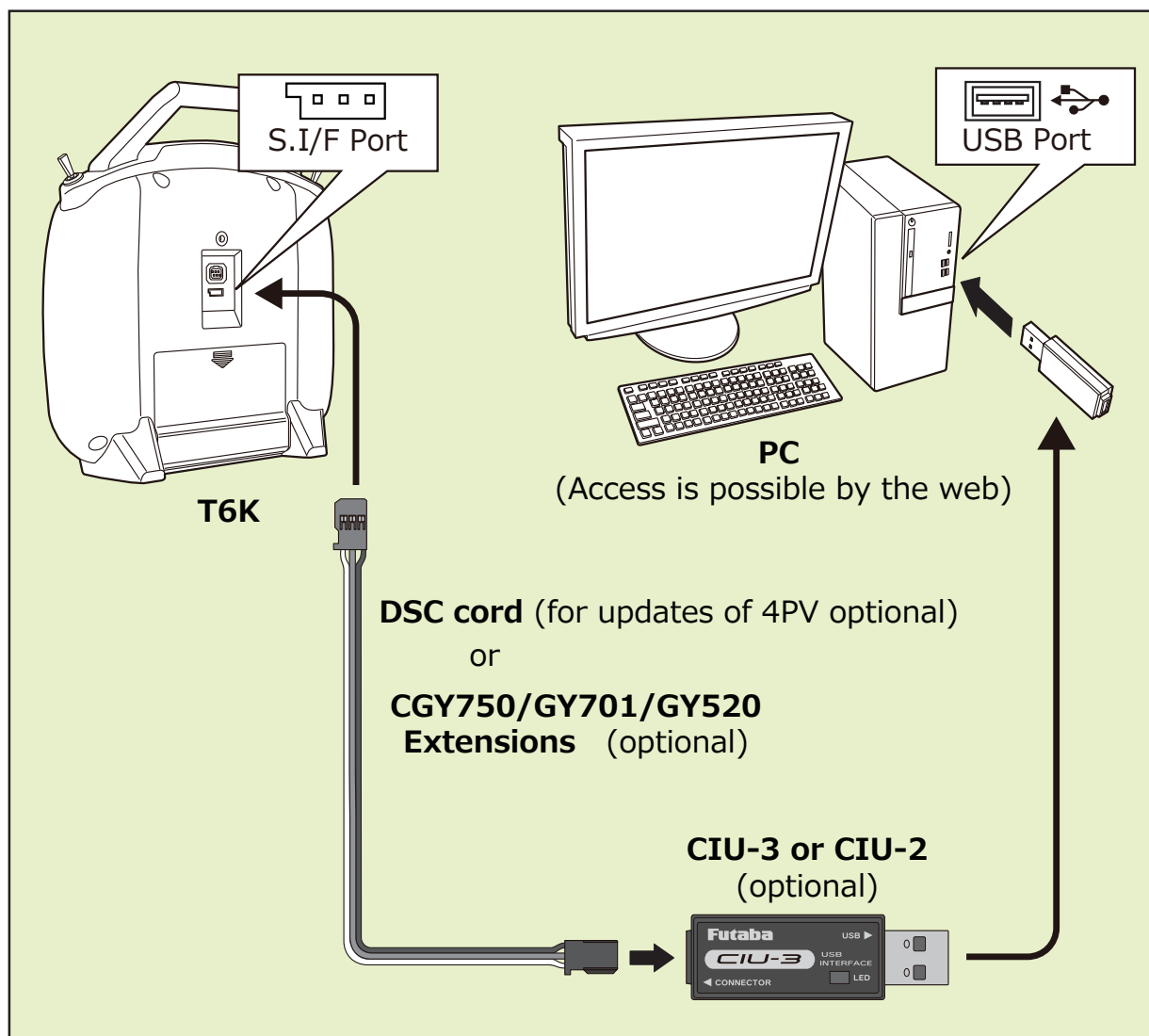
<http://www.rc.futaba.co.jp>



2. Extract the zip file on your computer.

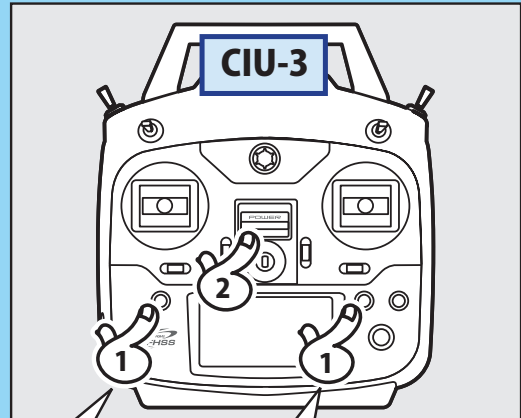


3. Connect as shown in the figure.



T6K

4. CIU-3; Turn on the transmitter power while pressing down the "END" and "+" button.

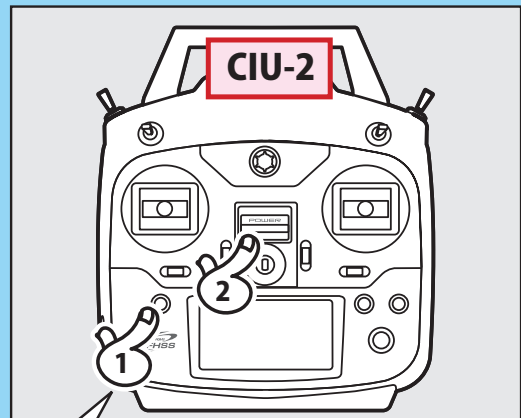


Press the **END** and **+** button next turn ON

CIU-3

READY (FACTORY3)

4. CIU-2; Turn on the transmitter power while pressing down the "END" button.



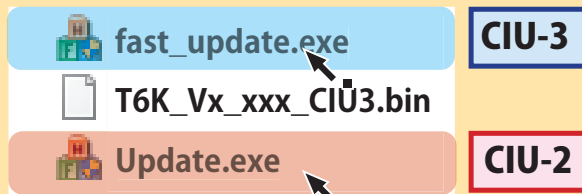
Press the **END** button next turn ON

CIU-2

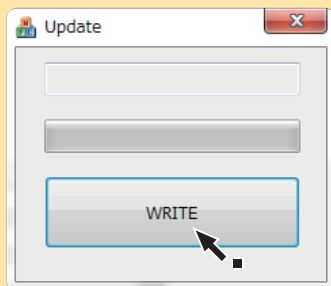
UPDATE READY

PC

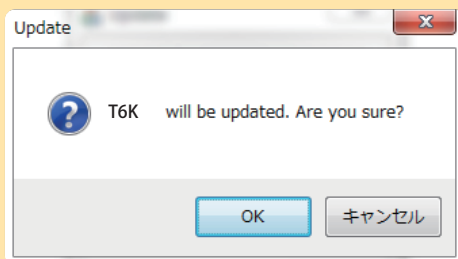
5. Start an executable file by a PC.



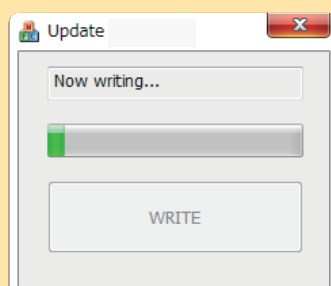
Double-click



Write



OK



T6K

CIU-3

READY (FACTORY3)

CIU-2

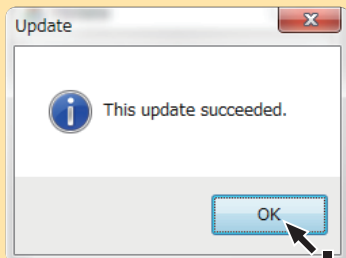
UPDATE READY

NOW WRITING...

Wait for about 30 seconds - 3 minutes.

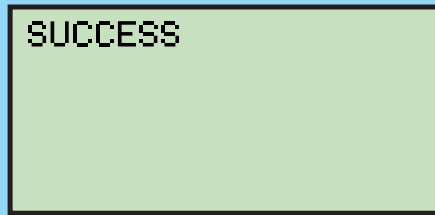
Don't turn off the power !

PC



Shut down the update software.

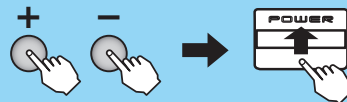
T6K



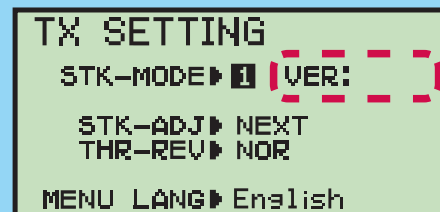
Completed

6. Turn off the power switch of your T6K and remove the CIU-3/CIU-2.

7. Check the software version at [TX SETTING].



Turn off the power and then turn on the power while pressing the **+** key and **-** key simultaneously. (Setting is ended by power off.)

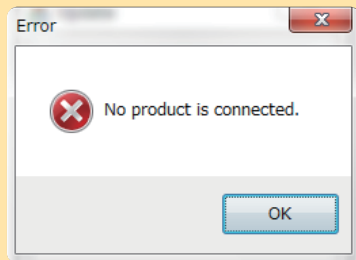


8. Be sure to check the each function before use.

Error

1. If an error display appeared, the redo an update from the beginning.

PC



T6K

UP DATE
TYPE MISSMATCH



Don't disconnect or remove the battery from the transmitter during the update.

It is possible that the transmitter can be damaged if the battery is unplugged during the update.

In the case of a failed update, the transmitter may not restart. In this situation, try the following steps to retry the updating procedure:

1. Detach the battery from the transmitter.
2. Attach the battery to the transmitter while pressing down the "END" button.
3. The update will start.

Even after the above steps, if the transmitter fails to update or does not start, please have it serviced.

T6K SOFTWARE UPDATE CHANGES (Version:3.05)

Fixed a bug that the gyro function does not work when throttle cut is enabled.

T6K SOFTWARE UPDATE CHANGES (Version:3.04)

Fixed a display problem on the P.MIX screen.

Futaba

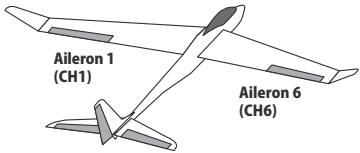
T6K SOFTWARE UPDATE CHANGES (Version: 3.0)

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.

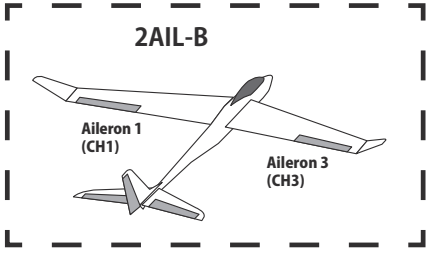
Glider: Addition of the 2AIL-B to the wing type

2AIL



Conventional 2AIL → Aileron: CH1 and CH6
2AIL-B → Aileron: CH1 and CH3

2AIL-B



2AIL-B is for non-powered gliders only. Engine and motor functions cannot be used.

CH	2AIL-B 2 Aileron
1	Aileron 1
2	Elevator
3	Aileron 3
4	Rudder
5	---
6	---
7	---
8	---

⚠ Model transfer

Do not transfer model data of 2AIL-B to the old version T6K. It will cause malfunction. The model data transformer must be performed between T6K Ver.3.

T6K SOFTWARE UPDATE CHANGES (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.

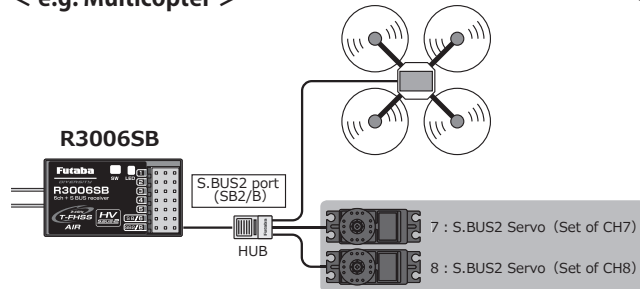
*T6K V2.0 can use the model data of a previously saved model data, automatically copying it over during the update. Model data from a T6K that has V2.0 installed cannot be copied onto a T6K that has V1.0 still installed.

Addition of the channel 7 and channel 8

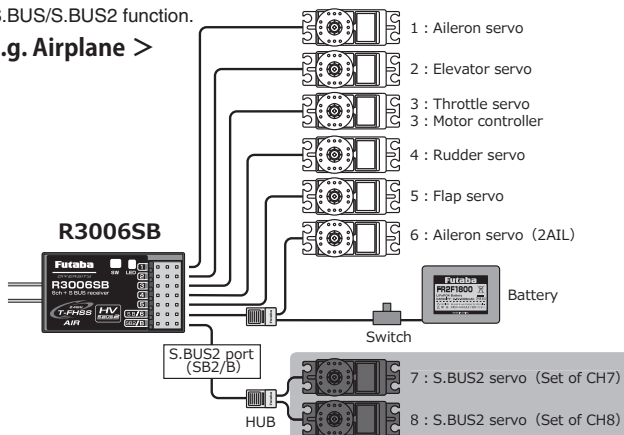
The previous T6K was a 6ch TX. 7-8 channels were added in V2.0.

*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 >

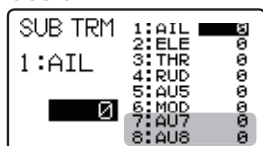


Select the switch or volume of
CH7-8

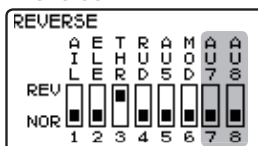


7-8 channel is added to each menu.

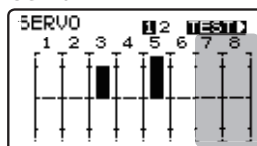
SUB trim



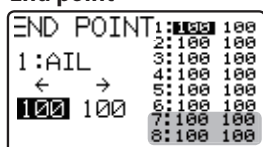
Reverse



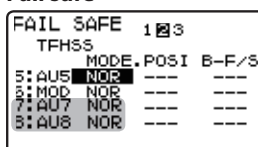
Servo



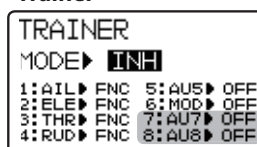
End point



Fail safe

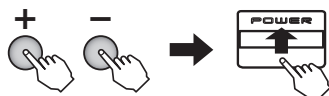


Trainer



Addition of a system version display

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



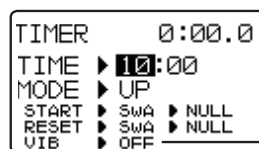
Turn on the power switch with the + key and – key pressed in the power off state. The screen shown at the next appears. To return to the home screen, turn off the power and then turn the power back on without pressing the keys.



Version numbers

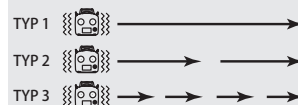
Addition of the timer vibrator indication of the timer

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



"VIB" type

If the following types are selected, the transmitter will vibrate during the time up.



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 123

CH5 CH6 CH7 CH8

*NOR: 100 --- ---

FM1: 80 --- ---

FM2: 60 --- ---

FM3: 40 --- ---

FM4: 20 --- ---

FLY MOD 123

*SW POSITION SW POSI

FM1: OFF SWA CNTRI

FM2: OFF SWA DOWN

FM3: OFF SWA CNTRI

FM4: OFF SWC DOWN

FLY MOD 123

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 123

SW1/2 CH5 CH6 CH7 CH8

*U/U: 100 100 ---

U/C: 100 50 ---

U/D: 100 0 ---

C/U: 50 100 ---

C/C: 50 50 ---

FLY MOD 123

SW1/2 CH5 CH6 CH7 CH8

C/D: 50 0 ---

D/U: 0 100 ---

D/C: 0 50 ---

D/D: 0 0 ---

FLY MOD 123

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
		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

[Current setting screen]

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

• "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.

• "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.

• "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.

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.

T6K SOFTWARE UPDATE CHANGES 2 (Version: 2.0)

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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.

