

T8FG SOFTWARE UPDATE CHANGES (VERSION 2.0)

This software update adds or changes the following functions. Use this set by rereading the instruction manual supplied with the set as follows:

Camber control setting (glider)

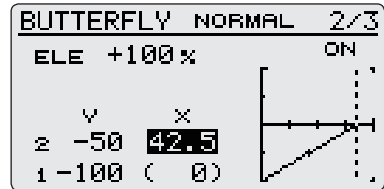
Camber function control is now changed for each condition.

- Camber control group/single setting is performed at the function setup screen.

"G": Group (common to all conditions)

"S": Single (set for each condition)

FUNCTION	NORMAL	3/4
	CTRL	TRIM
V1 CAMB	LS <input checked="" type="checkbox"/>	--
V2 BFLY	J2	--
V3 AUX1	--	--
V4 AUX1	--	--



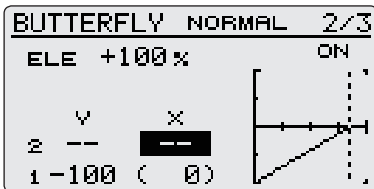
* When offset is set, the curve is initialized.

Butterfly function (glider)

A curve is now set at butterfly→elevator mixing.

	Output (Y)	Position (X)
Offset point	Fixed (0)	Fixed (offset position)
2- Intermediate point	Settable	Settable
1- End point	Settable	Fixed

- Set the curve at page 2 of butterfly setting.
- When the intermediate point position setting button is touched for 1 second, an intermediate point can be set. When the button is again touched for 1 second, the intermediate point is inhibited.

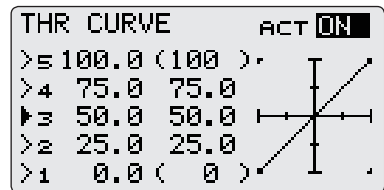


↑
(RTN pressed for 1 second)
↓

Throttle curve (airplane/glider)

A curve can now be set at the motor function.

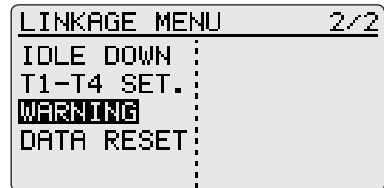
- When throttle curve of the model menu is set to ON when there is no throttle function; this curve acts as the motor function curve.



Mixing warning normal reset (all model types)

Mixing warning normal reset can now be set.

- Open the warning screen from the linkage menu.



- Set the warning function you want to normally reset to OFF.

WARNING		1/2
THR CUT	ON	
IDLE DOWN	ON	
THR POS.	ON	
SNAP ROLL	ON	
AIRBRAKE	OFF	

TIMER		
ST1	00:00	RESET
MODE	HOUR	START SA
		STOP SB
MEMORY ON		RESET SC

Timer function (all model types)

The timer stop switch can now be set.

- Set the stop switch at the Timer screen.

TIMER		
ST1	02:30.0	RESET
MODE	DOWN	START SA
ALARM	02:30	STOP SB
MEMORY OFF		RESET SC

A mode which sounds an alarm each minute of the time remaining up to the timer alarm time has been added.

- Change the setting using the "↑" button (or "↓" button).

"↑": Alarm sounds each minute of the time elapsed from timer start. (Conventional mode)

"↓": Alarm sounds each minute of the time remaining up to the alarm time.

TIMER		
ST1	02:30.0	RESET
MODE	DOWN	START SA
ALARM	02:30	STOP SB
MEMORY OFF		RESET SC

An HOUR mode that counts up to 99 hours 59 minutes has been added to the timer modes. This mode is convenient when used in engine maintenance period and other long-term measurements.

- Set MODE of the Timer screen to HOUR.
- * When the HOUR mode is set, "xx (hour): xx (minute)" is displayed on the count time display. Seconds are not displayed.
- * When the HOUR mode is set, ":" blinks each second during timer operation.
- * When the HOUR mode is set, the alarm function is inhibited.

Model select function (all model types)

New model creation and model selection can now be performed at the SD card by model select function.

Key lock function (all model types)

When the key lock function is set, the key lock state is now held even when the power is turned OFF.

Governor function (helicopter)

A governor rate rpm display mode can now be selected.

- When MODE on the governor screen is changed, the display mode is switched.

2000: 2000rpm mode
2500: 2500rpm mode

GOVERNOR		NORMAL
COND	NORMAL	ON
UNIT RPM	MODE	2500
RATE 1500 rpm < 1500rpm >		
FINE TUNING		
--	+0 rpm (<	+0rpm)

* In the 2500rpm mode and 2000rpm mode the rpm display at 50.0% (=1500rpm) and higher is different. At rates below 50%, the rpm display is the same in both modes.

* When the 2500rpm mode is set, 100.0%=2500rpm. The maximum value is 110.0%=2700rpm.

* When the 2000rpm mode is set, 100.0%=2000rpm. The maximum value is 110.0%=2100rpm. (Same as in the past)

* There is no change in the transmitter output even when the 2500rpm mode and 2000rpm mode is switched. Calibration must be performed at the governor side.

When the function is set ON/OFF at the governor setup screen, the governor rpm

setting channel end point servo travel and limit point are now initialized.

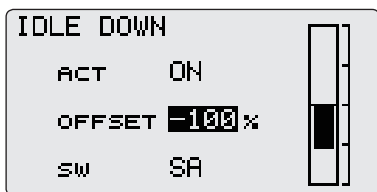
* When changed from INH to ACT (ON), the servo travel is initialized to 100 and the limit point is initialized to 155.

* When operation is changed to INH at all conditions, the servo travel is initialized to 100 and the limit point is initialized to 135.

Idle down function (airplane)

The idle down rate input range was changed from 0 ~ +100% to -100 ~ +100%.

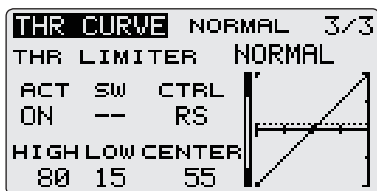
* When a minus rate is input, an offset is applied at the high side.



Addition of throttle limiter function (helicopter)

A throttle limiter function has been added. This function limits the high range of the throttle movement by any slider or trimmer. Control which adjusts the limit point during flight can be set.

• Set at the 3rd page of the throttle curve screen.



Setting method

• Activate the function.

1. Select ACT and touch the RTN button.
2. Switch the display to ACT by scrolling the touch sensor.

*The display blinks.

INH: Inhibit
 ACT: Activate

3. Enter the selection by touching the RTN button.

• ON/OFF switch setting

1. Select SW and touch the RTN button.

2. The H/W SET screen is displayed. Select the hardware and touch the RTN button.

• High side operating range setting

1. Select HIGH and touch the RTN button.
2. Adjust the high side operating range by scrolling the touch sensor.

*A gauge is displayed at the left side of the graph.

3. Touch the RTN button to switch to the cursor mode.

• Low side operating range setting

1. Select LOW and touch the RTN button.
2. Adjust the low side operating range by scrolling the touch sensor.

*A gauge is displayed at the left side of the graph.

3. Touch the RTN button to switch to the cursor mode.

• Limiter operating range adjustment control setting

1. Select CTRL and touch the RTN button.
2. The H/W SET screen is displayed. Select the hardware and touch the RTN button.

*The throttle limiter operating position is indicated by a dotted line on the graph.

*When limiter operating range adjustment control is NULL, the throttle limiter function is not performed.

• Changing the control center position

1. Select CENTER and touch the RTN button for 1 second. CENTER changes from INH to "rate display".
2. When the CENTER rate is changed, the neutral position of the hardware set at CTRL can be adjusted.

*When CENTER is INH, the neutral position becomes the LOW intermediate value.

*When CENTER is changed from INH to "rate display", the CENTER rate is set to the LOW intermediate value.

*The CENTER rate can be set between HIGH and LOW.

Throttle trim (helicopter)

A mode which inhibits throttle trim at conditions other than normal condition has been added.

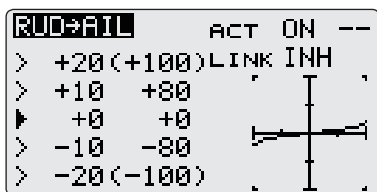
• When other than normal condition is selected, move the cursor to throttle trim on the function setup screen and touch the RTN button for 1 second.

* When "X" is displayed, THR trim is inhibited at conditions other than normal condition.

FUNCTION	IDLEUP1	1/4
	CTRL TRIM	
1 AIL	J1	T1 SEPAR
2 ELE	J3	T3 SEPAR
3 THR	J2	X T2 SEPAR
4 RUD	J4	T4 SEPAR

Rudder→aileron/rudder→elevator mixing (airplane)

A 5-point curve can be set at rudder→aileron and rudder→elevator mixing.



Condition switch setting (helicopter/glider)

An alternate setting has been added to condition logic switch setting.

Dual rate function switch setting (all model types)

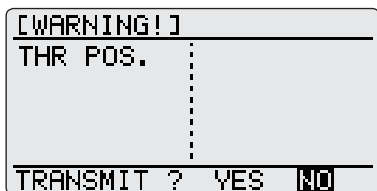
An alternate function has been added to the dual rate function switch setting.

Function function DG1/DG2 switch setting (all model types)

An alternate function has been added to the DG1/DG2 switch setting.

Warning display at power ON (airplane/helicopter)

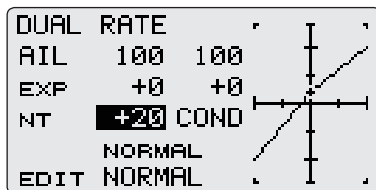
When the throttle stick at power ON is at the high side (1/3 or more the same as throttle cut operation), a warning is displayed.



* When the throttle stick is returned to SLOW, the warning display goes off.

Dual rate function (all model types)

Neutral position setting has been added to the dual rate curve.



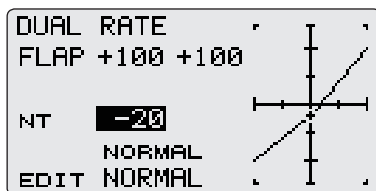
Dual rate function (airplane/glider)

FLAP, FLAP3, BUTTERFLY, and CAMBER have been added to the dual rate settable functions.

* FLAP3 and BUTTERFLY are glider only functions.

* EXP rate setting is not performed at the FLAP, FLAP3, BUTTERFLY, and CAMBER functions.

* Individual switch setting is not performed at the FLAP, FLAP3, and BUTTERFLY, CAMBER functions. (Condition switching only)



©Copyright 2010. No part of this manual may be reproduced in any form without prior permission. The contents of this manual are subject to change without prior notice. While this manual has been carefully written, there may be inadvertent errors or omissions. Please contact our service center if you feel that any corrections or clarifications should be made.

FUTABA CORPORATION Phone: +81 475 32 6982, Facsimile: +81 475 32 6983
1080 Yabutsuka, Chosei-mura, Chosei-gun, Chiba 299-4395, Japan

©FUTABA CORPORATION 2010, 07 (1)