

# T12FG/FX-30 Software Update

(Version:1.5)

## ⚠ CAUTION

❗ To support new features model memories must be updated to version 1.3. Once the 1.3 update is installed into your transmitter, the model memory update will automatically occur when you select the model the first time. After this update has been performed the model memory will no longer be compatible with software versions prior to 1.3.

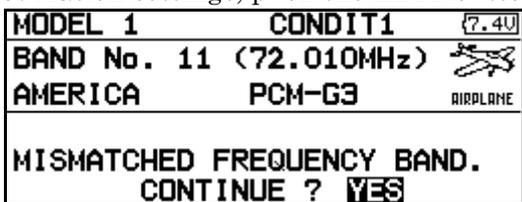
### Changing the RF Modulation

The T12FG and FX-30 transmitter is compatible with Futaba's TM-14 Module FASST 2.4GHz system.

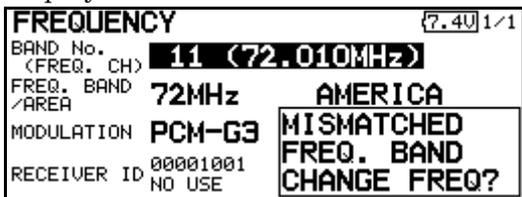
- When switching from the existing MZ-FM or FX-FM module to the TM-14, the TM-14 to the MZ-FM or the FX-FM module, or similar situation, it is necessary to reset the band accordingly.
- When using the TM-14 and Futaba FASST receiver, it is necessary to link the transmitter module to the respective receiver prior to using them for the first time. This process will only be necessary the first time that these items are used. The unique identification code will be stored in the receiver.
- When using the TM-14 FASST system, the DSC function has been disabled as it is unnecessary. Futaba's FASST system will prevent any RF interference issues which might have arisen in the previous RF modulation.
- The multiprop function cannot be used.

### How to Set the Band

1. With the transmitter's power OFF, remove the existing RF module and replace it with the TM-14 module.
2. Turn ON the transmitter's power switch. Since the RF module was replaced by an RF module that varies from the previous settings, an on-screen warning is displayed. To change the modulation settings, push the EDIT button.

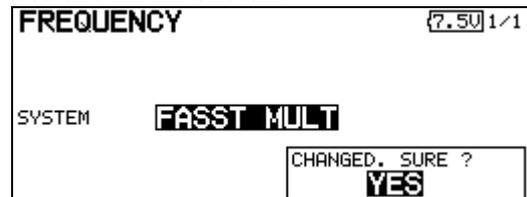


3. In the linkage menu, select the frequency setting [FREQUENCY], and push the EDIT button. A message confirming the band change is displayed. Press the EDIT button once again.



- Please note  
 This will automatically select Futaba's FASST MULT setting. If, however, you are using a receiver which employs the FASST 7-Channel settings, please see the section entitled Channel Mode Selection which follows.

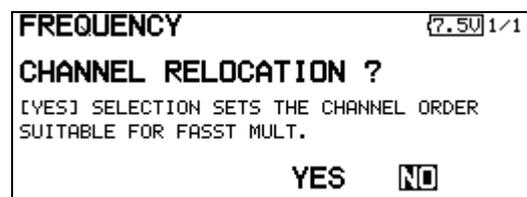
4. A channel mode selection screen is displayed. Press the EDIT button.



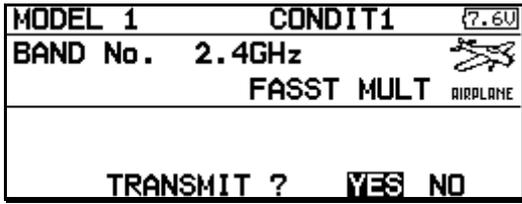
5. A function channel relocation confirmation screen is displayed. When the [YES] is selected and the EDIT button is pressed, the function channel assignment changes to the optimum setting in the FASST system. When the [NO] is selected and the EDIT button is pressed, the setting does not change.

❗ After the channels have been relocated you must verify that the receiver connections are correct and verify that all of the settings within the transmitter are correct before flying.

- In the FASST system, the optimum channel assignment and optimum setting in the conventional modulation mode are different.



- The band setting changes accordingly to reflect the selection of the 2.4GHz band. The display will return to the frequency confirmation screen.



### Range Check Mode Operation

The 'range check mode' reduces the transmission range of the radio waves to allow for a ground range check.

- The range check mode, when activated, will continue for 90 seconds unless the user exits this mode early.

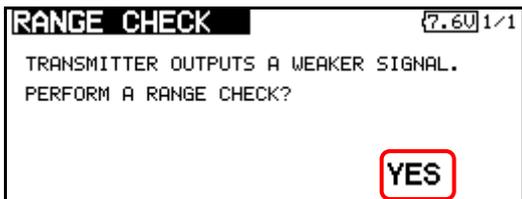
### **⚠** WARNING

- Do not fly in the range check mode.
- Since the range of the radio waves is short, if the model is too far from the transmitter, control will be lost and the model will crash.

- Turn ON the transmitter's power switch. Select 'NO' on the frequency confirmation screen.
- For safety, the RANGE CHECK mode can not be selected while the RF transmission is active.
- With the system menu selected press the EDIT button, choose the RANGE CHECK selection from the menu options and press the EDIT button.



- The RANGE CHECK screen is displayed. To activate the RANGE CHECK mode select 'YES' and then press the EDIT button. During the RANGE CHECK period, the RF power is reduced to allow the ground range tests to be performed.



- The Range Check function automatically exits after the 90 second time limit has expired. The remaining time is displayed on the left side of the transmitter's screen. Should you complete

the range check before the 90 seconds has passed, select [EXIT] and press the EDIT button.

- When the [RESTART] button is pressed, the range check mode timer is returned to 90.



- Please note, upon expiration of the 90 seconds, or when [EXIT] is selected and the EDIT button is pressed, the transmitter will automatically return to the normal RF operation as noted on the display.

- When [EXIT] is selected and the EDIT button is pressed, the RANGE CHECK mode is disabled and the 12FG will begin transmitting at full power.



- After exiting the Range Check mode, the function cannot be selected again. To select the Range Check mode again you must cycle the transmitter power switch.

### Channel Mode Selection

When using the TM-14 RF module with the transmitter, there are two modes of operation available: multi-channel mode (as utilized in conjunction with the R6014FS receiver) and 7-channel mode (used for receivers such as the R617FS). It is important to set the channel mode selection to match the receiver being utilized in the model. Please refer to the chart below as a reference guide.

Transmitter		Receiver		
		R606FS R616FFM	R607FS R617FS	R608FS R6014FS
TM-14 Module	Multi-ch mode	-	-	Compatible
	7ch mode	Compatible	Compatible	-

- Access the frequency setting [FREQUENCY] in the linkage menu and then press the EDIT button. The currently selected transmission mode is displayed.



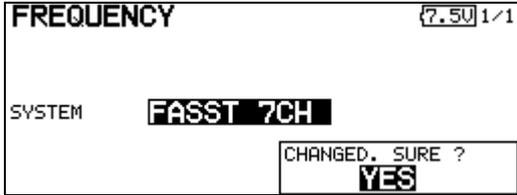
- To change the mode selection, select the alternate transmission mode.

[FASST MULT] : Multi channel mode

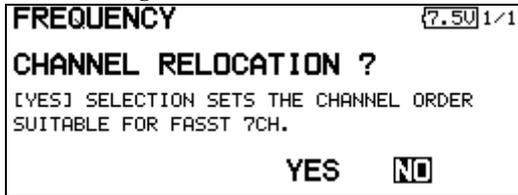
[FASST 7CH] : 7 channels mode



- Press the EDIT button. The display will return to the confirmation screen.



- A channel relocation screen will appear. If you wish to relocate the channel assignments, select the [YES]. If not, select [NO]. The channel assignments will not be modified.



(Information pertaining to the 7 channel mode)

When the 7 channel mode is selected, the following conditions are applicable:

- While the setting items of channels 8 and above may appear in the various menu options (e.g., sub trims, servo reverse, etc.), the only settings which are applicable are those of channels 1-7.
- When using the 7 channel mode, fail safe is only available for channel three (throttle). If/when the fail safe for channel three has been activated, the battery fail safe is also active. Unlike the multi channel mode, the fail safe and the battery fail safe can not be set independently.

### Servo connection

Below is a reference chart which has been created to obtain the optimum performance from the FASST system in conjunction with the channel mode and various swash types. It is important to note and adhere to this reference information in order to achieve the maximum performance from the model. As such, please connect the servos to the corresponding channels in the chart below.

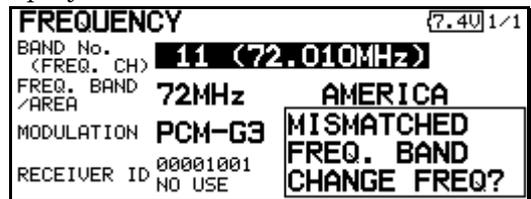
CH	Multi channel mode		7 channels mode	
	Except H-4, H4X	H-4, H4X	Except H-4, H4X	H-4, H4X
1	Aileron	Aileron	Aileron	Aileron
2	Elevator	Elevator	Elevator	Elevator
3	Pitch	Pitch	Throttle	Throttle
4	Rudder	Elevator2	Pitch	Pitch
5	Gyro	Rudder	Gyro	Gyro
6	Throttle	Throttle	Rudder	Rudder
7	Governor	Gyro	Governor	Elevator2
8	Governor2	Governor	AUX5	AUX5
9	Needle	Governor2	AUX4	AUX4
10	AUX3	Needle	AUX3	AUX3
11	AUX2	AUX2	AUX2	AUX2
12	AUX1	AUX1	AUX1	AUX1
VC1	AUX1	AUX1	AUX1	AUX1
VC2	AUX1	AUX1	AUX1	AUX1
VC3	AUX1	AUX1	AUX1	AUX1
VC4	AUX1	AUX1	AUX1	AUX1

- It is important to note that these settings differ from that used in the previous G3 receivers. Utilizing the channel assignments from the G3 receivers will not allow you to obtain the ideal performance from your model.
- Please note that the settings in the chart above are the default settings. As such, when the data is reset, the channel assignments above will be utilized.

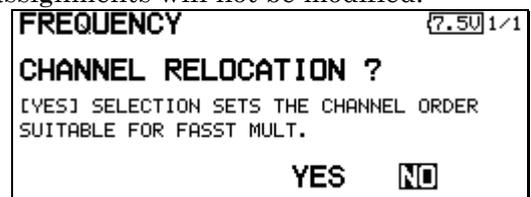
### Automatic channel assignment

When using the TM-14 RF module, the transmitter channel assignment function allows the automatic relocation of the channels (servo output) to maximize performance of the FASST system.

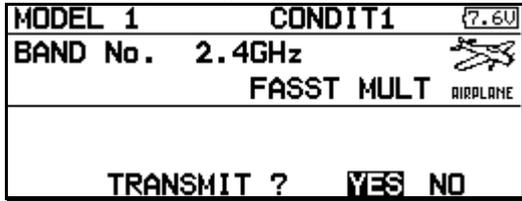
- Replace the RF module of the transmitter with the TM-14.
- Turn on the transmitter.
- Select LINKAGE menu.
- Select FREQUENCY menu.
- A band change confirmation message is displayed. Push the EDIT button.



- A CHANNEL RELOCATION message will appear. If you wish to relocate the channel assignments, select 'YES' and press the EDIT button. If not, select 'NO'. The channel assignments will not be modified.



- Band setting changes to 2.4GHz.



- The channel assignment is changed to suitable assignment of FASST.
- After the channels have been relocated you must verify that the receiver connections are correct and verify that all of the settings within the transmitter are correct before flying.

### Range Check the Radio

It is extremely important to range check your models prior to each flying session. This enables you to ensure that everything is functioning as it should and to obtain maximum enjoyment from your time flying. The TM-14 transmitter module incorporates a system that reduces its power output and allows you to perform such a range check.

- Turn on the transmitter and activate the 'RANGE CHECK' mode through the transmitter's System menu. Please note: if the RF is activated, the 'RANGE CHECK' mode will not be available to utilize. As such, do NOT activate the RF when the transmitter is turned ON.
- The LEDs on the rear of the TM-14 module will indicate that a radio frequency link has been established between the transmitter and receiver. This is noted by a solid green LED and a blinking red LED on the TM-14 module. The solid green LED indicates that the radio frequency link has been established. As indicated by the blinking red LED, the radio frequency power has been reduced to allow for the range check.  
Note: the transmitter will remain in the RANGE CHECK mode for a maximum of 90 (ninety) seconds. This time limit has been established to ensure that the modeler not inadvertently forget to return to the standard power output when flying his/her model.
- Walk away from the model while simultaneously operating the controls. Have an assistant stand by the model to confirm that all controls are completely and correctly operational. You should be able to walk approximately 30-50 paces from the model without losing control.

- If everything operates correctly, return to the model. Set the transmitter in a safe, yet accessible, location so it will be within reach after starting the engine or motor. Be certain the throttle stick is in the low throttle position, then start the engine or motor. Perform another range check with your assistant holding the aircraft with the engine running at various speeds. If the servos jitter or move inadvertently, there may be a problem. We would strongly suggest you do not fly until the source of the difficulty has been determined. Look for loose servo connections or binding pushrods. Also, be certain that the battery has been fully charged.

### Antenna of TM-14

- As with all radio frequency transmissions, the strongest area of signal transmission is from the sides of the TM-14 transmitter module's antenna. As such, the antenna should not be pointed directly at the model. If your flying style creates this situation, please pivot the antenna to correct this situation.
- Please do not grasp the transmitter's antenna during flight. Doing so may degrade the quality of the RF transmission to the model

### TM-14 LED indication

- When the transmitter is powered up, the LEDs on the rear of the module will begin to glow or blink accordingly. The chart below provides you with an easy reference as to the meaning of the LEDs.

LED Indication

Green	Red	Status
Solid	Solid	Initializing
Blink	Off	RF is off
Alternate Blink		Check nearby RF condition
Solid	Off	RF power on
Solid	Blink	RF power on (Power reduced to perform the range check function)

R6014FS LED Indication

Green	Red	Status
Off	Solid	No signal received
Solid	Off	Signal received, normal operation
Blink	Off	Receiver is receiving signals but the ID is unmatched
Alternate Blink		Unrecoverable error (EEPROM, etc.)

## Multiprop channel

The system has been made compatible with the Futaba MPDX-1 Multiprop Decoder. One channel can be expanded to 8 channels by using the MPDX-1 Multiprop Decoder. Up to two MPDX-1 can be used.

- The multiprop function cannot be used with a FASST modulation scheme.

## Multiprop selection

1. Select the Linkage Menu multiprop setting [MULTIPROP] and press the EDIT dial.
2. The MULTIPROP setup screen is displayed.

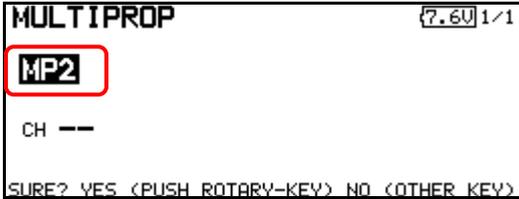


3. Select [MP1] and press the EDIT dial.
4. Turn the dial and switch the display to [MP1] or [MP2].

※ The display blinks.

[MP1] : Multiprop 1

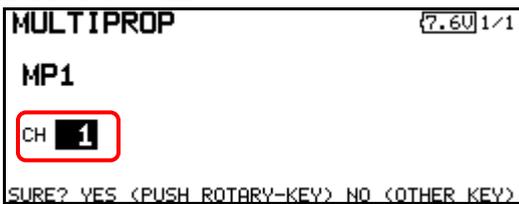
[MP2] : Multiprop 2



5. Press the EDIT dial.

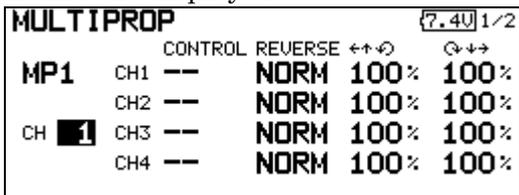
## Channel setting

1. Select [CH] and press the EDIT dial. Turn the EDIT dial and display the channel to which the MPDX-1 is connected.



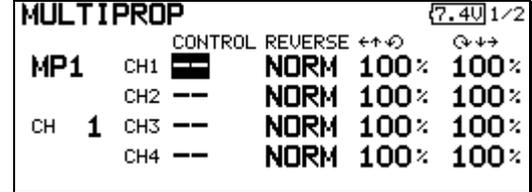
- To turn off the multiprop function, set [-] at CH.

2. When the activated channel is selected and the EDIT dial is pressed, the multiprop setting contents are displayed.



## Control setting

1. Select the "CONTROL" row of the multiprop channel whose control you want to set and press the EDIT dial.



2. A hardware selection screen is displayed. Select the hardware which is to set control and press the EDIT dial.

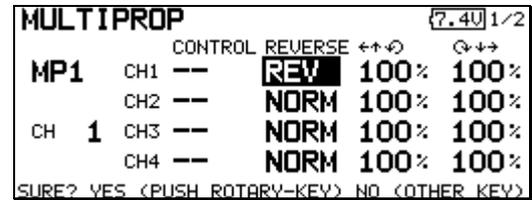
## Servo reverse setting

1. Select the "REVERSE" row of the multiprop channel which is to be reversed and press the EDIT dial.
2. Turn the dial and switch the display to [NORM] or [REV].

※ The display blinks.

[NORM] : Normal mode

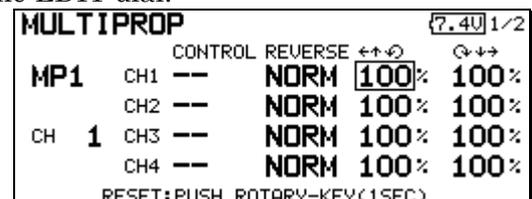
[REV] : Reverse mode



3. Press the EDIT dial.

## End Point Setting

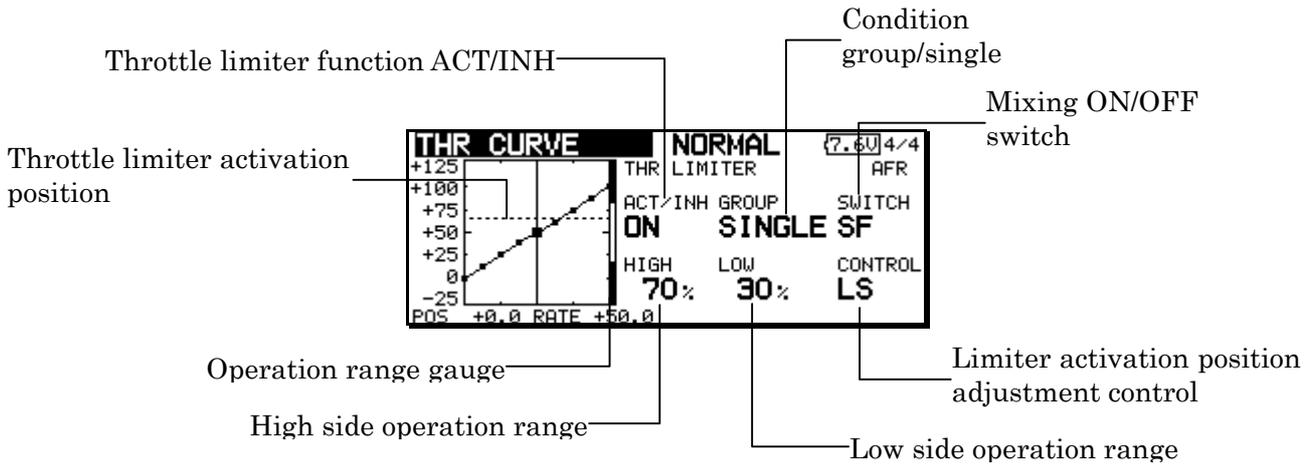
1. Select the "←↑" row or "↓→" row of the multiprop channel whose end point is to be set and switch to the data input mode by pressing the EDIT dial.



2. Adjust the end point by turning the EDIT dial.  
Initial value : 100%  
Adjustment range : 30 ~ 100%
3. After adjustment, press the EDIT dial.

## Throttle limiter

This function limits throttle operation to within a certain range. Control which adjusts the operating range during flight can be set. (Effective only when the model type is helicopter.)



## Setting method

1. Open the THR CURVE setup screen. Move the cursor and display page 4.

- Activate the function.

1. Select "ACT/INH" and press the EDIT dial.
2. Turn the dial and switch the display to [INH] or [ACT].
  - ※ The display blinks.
  - [INH] : Inhibit
  - [ACT] : Activate
3. Press the EDIT dial.

- Group/single mode selection

1. Select "GROUP" and press the EDIT dial.
2. Turn the dial and switch the display to [GROUP] or [SINGLE].
  - ※ The display blinks.
  - [GROUP] : Condition group mode
  - [SINGLE] : Condition single mode
3. Press the EDIT dial.

- ON/OFF switch setting

1. Select "SWITCH" and press the EDIT key.
2. A hardware selection screen is displayed. Select the hardware and press the EDIT dial.

- High side operation range setting

1. Select "HIGH" and press the EDIT dial.
2. Turn the dial and adjust the high side operation range.
  - ※ A gauge is displayed at the right-hand side of the graph.
3. Press the EDIT dial.

- Low side operation range setting

1. Select "LOW" and press the EDIT dial.
2. Turn the dial and adjust the low side operation range.
  - ※ A gauge is displayed at the right-hand side of the graph.
3. Press the EDIT dial.

- Limiter activation position adjustment control setting

1. Select "CONTROL" and press the EDIT dial.
2. A hardware selection screen is displayed. Select the hardware and press the EDIT dial.
  - ※ The throttle limiter activation position is indicated by a dotted line on the graph.

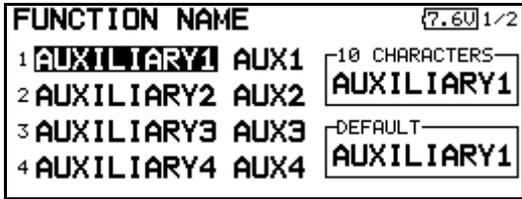
- When the limiter operation range adjustment control is NULL, the throttle limiter function is not activated.

## Other modifications

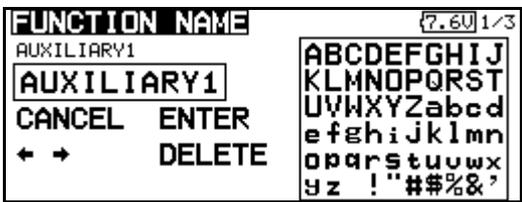
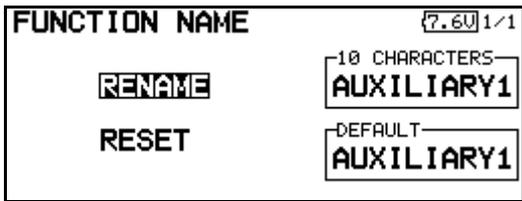
### Function name

The name of the spare functions (AUXILIARY1~8) can be changed for the full name (10 characters) or for the abbreviated name (4 characters).

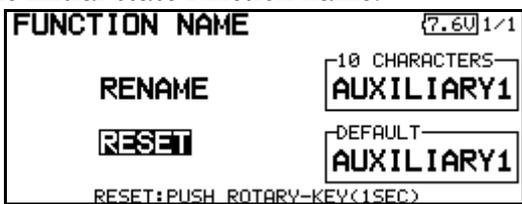
1. Select [FUNCTION NAME] of the Linkage Menu and press the EDIT button.
2. The FUNCTION NAME setup screen is displayed.



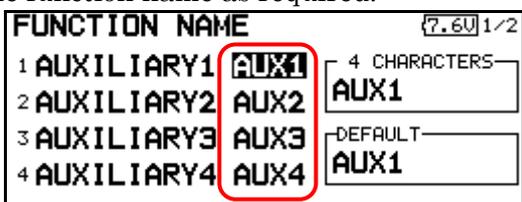
3. When the function whose name is to be change is selected and the EDIT button is pressed, a modification screen is displayed.
4. Select the function to be renamed and select [RENAME] and press the EDIT button. A character input screen is displayed. Input the function name.



5. When [RESET] is selected and the EDIT button is held down, the function name is set to the initial state function name.



6. The function name may be displayed in 10 characters or 4 characters, depending on the setup screen. For 4 characters display, input the function name as required.



### Condition selection [COND.SELECT]

The condition switch of the conditions (IDLEUP1, IDLEUP2, IDLEUP3, HOLD) preset in the helicopter mode has been changed to NULL.

### Timer

A timer can now be set to maintain its value even when the power is turned off or the model is switched.

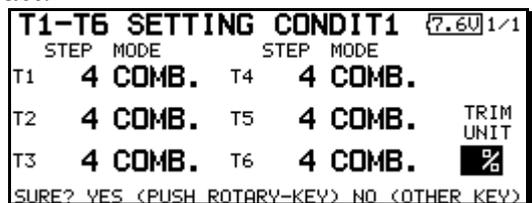
1. Open [TIMER] of the Linkage Menu.
2. Select "MEMORY" and turn the EDIT dial and switch the display to [ON] or [OFF].  
※ The display blinks.  
[ON] : Memory mode. The timer value is held even if the power is turned off or the model is switched.  
[OFF] : The timer is reset by power off and model switching as in the past.
3. When the EDIT button is pressed, the setting is changed.



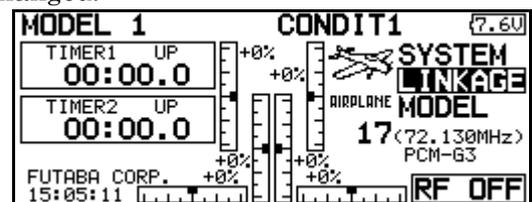
### Trim display units

Percentage (%) display can be selected at trim.

1. Open [T1-T6 SETTING] of the Linkage Menu.
2. Select "TRIM UNIT" and turn the dial and switch the display to [%] or [-].  
※ The display blinks.  
[%] : Trim is displayed in % units.  
[-] : Trim is displayed numerically as in the past.



3. When the EDIT button is pressed, the setting is changed.



## Function channel initialization

PCM1024 mode and PPM mode function channel setting was changed as shown below.

- If you want to see the function channel setting in other modulation modes, please see the manual.

### ■ Normal and V-tail

CH	1Aileron		2Aileron		2Aileron + 1Flap	
	Airplane	Glider	Airplane	Glider	Airplane	Glider
1	Aileron	Aileron	Aileron	Aileron	Aileron	Aileron
2	Elevator	Elevator	Elevator	Elevator	Elevator	Elevator
3	Throttle	Motor	Throttle	Motor	Throttle	Motor
4	Rudder	Rudder	Rudder	Rudder	Rudder	Rudder
5	Gear	AUX7	Gear	AUX7	Gear	AUX6
6	Airbrake	Airbrake	Aileron2	Aileron2	Flap	Flap
7	AUX6	AUX6	AUX6	AUX6	Aileron2	Aileron2
8	AUX5	AUX5	AUX5	AUX5	AUX5	AUX5
VC1	AUX1	AUX1	Camber	Camber	Camber	Camber
VC2	AUX1	AUX1	AUX1	Butterfly	AUX1	Butterfly
VC3	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1
VC4	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1

CH	2Aileron + 2Flap		2Aileron + 4Flap	4Aileron + 2Flap
	Airplane	EP Glider	Glider	Glider
1	Aileron	Aileron	Aileron	Aileron
2	Elevator	Elevator	Elevator	Elevator
3	Throttle	Motor	Rudder	Rudder
4	Rudder	Rudder	Aileron2	Aileron2
5	Gear	AUX5	Flap	Aileron3
6	Aileron2	Aileron2	Flap2	Aileron4
7	Flap	Flap	Flap3	Flap
8	Flap2	Flap2	Flap4	Flap2
VC1	Camber	Camber	Camber	Camber
VC2	AUX1	Butterfly	Butterfly	Butterfly
VC3	AUX1	AUX1	AUX1	AUX1
VC4	AUX1	AUX1	AUX1	AUX1

### ■ Flying wing

CH	2Aileron		2Aileron + 1Flap		2Aileron + 2Flap		2Aileron + 4Flap	4Aileron + 2Flap
	Airplane	Glider	Airplane	Glider	Airplane	Glider	Glider	Glider
1	Aileron	Aileron	Aileron	Aileron	Aileron	Aileron	Aileron	Aileron
2	Rudder2	Rudder2	Rudder2	Rudder2	Rudder2	Rudder2	Aileron2	Aileron2
3	Throttle	Motor	Throttle	Motor	Throttle	Motor	Rudder	Aileron3
4	Rudder	Rudder	Rudder	Rudder	Rudder	Rudder	Rudder2	Aileron4
5	Gear	AUX7	Gear	AUX6	Gear	AUX6	Flap	Rudder
6	Aileron2	Aileron2	Flap	Flap	Flap	Flap	Flap2	Rudder2
7	AUX6	AUX6	Aileron2	Aileron2	Aileron2	Aileron2	Flap3	Flap
8	AUX5	AUX5	AUX5	AUX5	Flap2	Flap2	Flap4	Flap2
VC1	Elevator	Elevator	Elevator	Elevator	Elevator	Elevator	Elevator	Elevator
VC2	Camber	Camber	Camber	Camber	Camber	Camber	Camber	Camber
VC3	AUX1	AUX1	AUX1	Butterfly	AUX1	Butterfly	Butterfly	Butterfly
VC4	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1

### ■ Ailevator

CH	1Aileron		2Aileron		2Aileron + 1Flap		2Aileron + 2Flap	
	Airplane	Glider	Airplane	Glider	Airplane	Glider	Airplane	Glider
1	Aileron	Aileron	Aileron	Aileron	Aileron	Aileron	Aileron	Aileron
2	Elevator	Elevator	Elevator	Elevator	Elevator	Elevator	Elevator	Elevator
3	Throttle	Motor	Throttle	Motor	Throttle	Motor	Throttle	Motor
4	Rudder	Rudder	Rudder	Rudder	Rudder	Rudder	Rudder	Rudder
5	Gear	AUX7	Gear	AUX7	Gear	AUX6	Elevator2	Elevator2
6	Airbrake	Airbrake	Aileron2	Aileron2	Flap	Flap	Aileron2	Aileron2
7	Elevator2	Elevator2	Elevator2	Elevator2	Aileron2	Aileron2	Flap	Flap
8	AUX5	AUX5	AUX5	AUX5	Elevator2	Elevator2	Flap2	Flap2
VC1	AUX1	AUX1	Camber	Camber	Camber	Camber	Camber	Camber
VC2	AUX1	AUX1	AUX1	Butterfly	AUX1	Butterfly	AUX1	Butterfly
VC3	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1
VC4	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1	AUX1

■ Helicopter

CH	H-1,H-2,HE3,HR3,HN3,H-3	H4,H-4X
1	Aileron	Aileron
2	Elevator	Elevator
3	Throttle	Throttle
4	Rudder	Rudder
5	Gyro	Gyro
6	Pitch	Pitch
7	Governor	Governor
8	Needle	Elevator2
VC1	AUX1	AUX1
VC2	AUX1	AUX1
VC3	AUX1	AUX1
VC4	AUX1	AUX1

## Program Mixing [PROG. MIXES]

[All model types]

An offset mode has been added to the program mixing function. "Offset mode" is a function which allows simultaneous offset control of up to 4 slave functions per circuit.

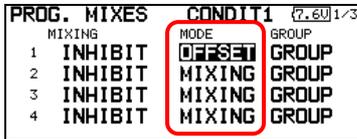
### Setting Methods

#### Activate the function.

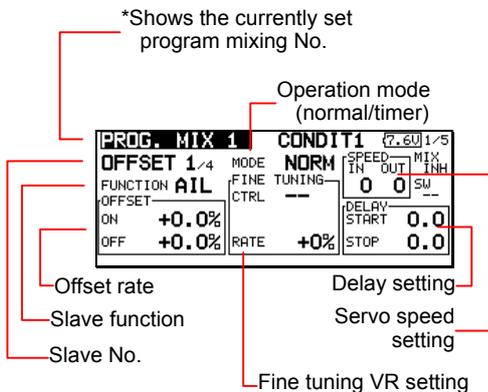
1. Select [PROG.MIXES] at the model menu and call the setup screen by pushing the EDIT button.



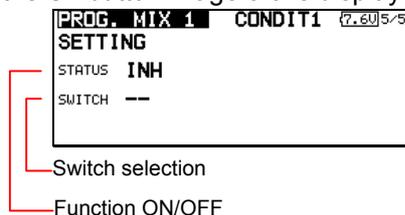
2. Use [MODE] setting to select the program mixing operation mode. [MIXING] is the normal mixing mode and [OFFSET] is the offset mode.



3. Move the cursor to [INHIBIT] of the mixing No. set to the offset mode and push the EDIT button. The setup screen is displayed.



4. Press the S1 button. Page 5/5 is displayed.



5. Move the cursor to the [STATUS] item and switch to the data input mode by pushing the EDIT button.

6. Turn the dial to the left and right until [ACT] blinks, and then push the EDIT button. To deactivate the function, switch to [INH].

#### ON/OFF switch selection

Move the cursor to the page 5/5 [SWITCH] item, call the switch setup screen by pushing the EDIT button, and then select the switch and ON direction. (For a detailed description of the selection method, see [Switch Selection Method] at the back of the instruction manual.)

#### Slave No. selection

Setting of the slave No. from 1 to 4 at pages 1/5 ~ 4/5 is displayed. When the S1 button is pushed, the displayed slave No. is switched.

#### Slave function setting

Move the cursor to the [FUNCTION] item and switch to the data input mode by pushing the EDIT button. Select the function by turning the dial and then push the EDIT button.

#### Offset rate setting

The function operation offset amount when the mixing switch is ON and OFF can be set independently.

1. Move the cursor to the [ON] or [OFF] item and switch to the data input mode by pushing the EDIT button.

2. Turn the dial to the left and right and set the offset rate when the switch is ON or OFF

Initial setting : 0%

Setting range: -300 ~ +300%

3. After setting, switch to the cursor move mode by pushing the EDIT button.

\*At adjustment, the offset rate is reset to the initial value by pushing the EDIT button for 1 second

#### Fine tuning trim setting

Operation control [CTRL], operation mode [MODE], and rate [RATE] adjustment is possible by [FINE TUNING] item. (For a description of the setting method, refer to [Fine tuning trim setting] at the back of the instruction manual.)

#### Operation mode setting

The operation mode when the switch was operated is selected. Normal mode [NORM] or timer mode [TIME] can be selected.

#### [Normal mode]

After the switch is set to ON, mixing is turned ON after the time set by start delay ([START]) has elapsed. Similarly, after the switch was set to OFF, mixing is turned OFF after the time set by stop delay ([STOP]) has elapsed.

### [Timer mode]

After the switch was set to ON, mixing is turned ON after the time set by start delay ([START]) has elapsed. Mixing is automatically turned OFF after the time set by stop delay ([STOP]) has elapsed. Examples of use are jet plane and scale model retractable landing gear and cover linked mixing, etc.

### Servo speed setting

The speed at function operation can be adjusted. (For a description of the setting method, refer to [Servo speed setting] at the back of the instruction manual.)

### Delay setting

Mixing operation at mixing switch ON ([START]) and OFF ([STOP]) can be delayed by [DELAY] item. (When switch is set.)

1. Move the cursor to the [START] or [STOP] item and switch to the data input mode by pushing the EDIT button.

2. Turn the dial left and right and set the mixing operation delay time at switch ON or OFF.

Initial value : 0 sec

Setting range : 0 ~ 35 sec

3. After adjustment, switch to the cursor move mode by pushing the EDIT button.

\*At adjustment, the delay time can be reset to the initial value by pushing the EDIT button for 1 second.

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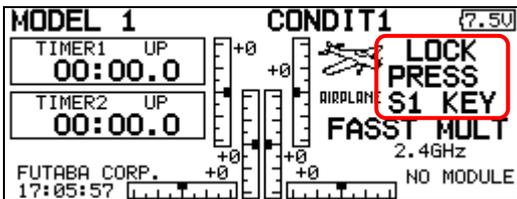
## Edit lock function

To prevent the data from being changed by erroneous touching of the EDIT dial during flight, a function which temporarily disables the EDIT dial has been added.

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### How to lock

1. The home screen is displayed.
2. Press the S1 button. "LOCK" is displayed and the EDIT dial is disabled.



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### How to unlock

1. Press the S1 button for about 1 second in the EDIT dial locked state. The EDIT dial is enabled again

