T8FG/T8FGS Software Update Changes (Version 5)

This software update adds or changes 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 T8FG/S transmitter. Refer to the original manual where applicable but replace the steps indicated below with these instructions.

Addition of auto lock function.
(Applicable to all models)

The Auto Lock function makes it possible to automatically lock the transmitter to prevent any unwanted programming/input when in use.

The auto lock function can be set in two ways.

· LOCK TIMER

Auto Lock functions automatically when there is no operation from the HOME screen display for a chosen number of seconds.

· START LOCK

Auto Lock functions automatically when the model changes or power is turned on.

*To temporarily allow access to the T8FG/S' programming press and hold the S1 key for one second. Please note, the Auto Lock function timer will resume immediately once again.

1) Open the Auto lock screen in the system menu.

```
AUTO LOCK


LOCK TIMER  OFF


START LOCK  OFF
```
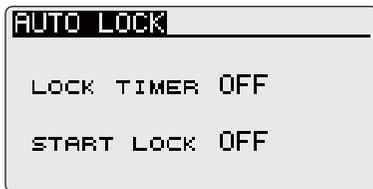
2) Adjust the activation timer for the Auto Lock function. The timer will begin counting immediately when the HOME screen is not used. The timer is adjustable in one second increments up to 30 seconds. If the timer value is OFF, this function is not applicable.

```
AUTO LOCK


LOCK TIMER   5 SEC


START LOCK  OFF
```
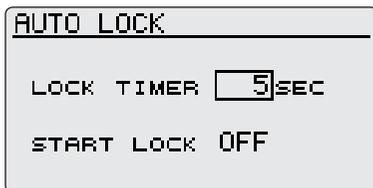
3) The Start Lock setting will, if enabled, automatically lock the T8FG/S when the transmitter is powered up. To allow access to the transmitter's functions, press and hold the S1 key for one second.

```
AUTO LOCK


LOCK TIMER   5 SEC


START LOCK  ON
```
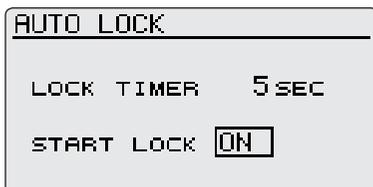
*If neither the Lock Timer or Start Lock functions are active (OFF), then the key lock remains even if the power is turned off.

*If the Lock Timer is enabled and the Start Lock is off, the key lock status if canceled each time the T8FG/S is turned on.

The following functions were added to motor mixing.
(airplane / glider)

```
MOTOR                  1/2
ACT         ON            ON
SW          SG
START SW    J2
MOTOR OFF   +80  ►
TRIM OFF    CURVE         OFF
```
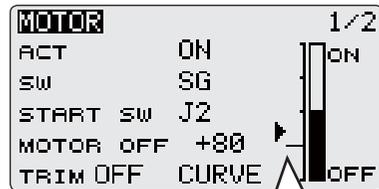
This marker indicates the motor OFF position.

Start switch function:

When active, the "START SW" allows the motor's state to change from OFF to ON. The motor is ON when the main SW and "START SW" are turned ON simultaneously. The motor changes to OFF only when the main SW is turned off. If "START SW" is turned OFF but the main SW is still ON, the motor remains ON.

[START SW function example]

When the throttle (motor) stick is assigned as the "START SW", and the low throttle position of the throttle curve is adjusted, the motor starts operating with the initial stick movement. The motor will not cease functionality even if the stick position is returned to it's lowest setting.

Trim effect / invalid setting in motor OFF:

If one of the trim levers is assigned to the Motor function, it is possible to turn the motor off with the trim lever. To maintain compatibility after updating the T8FG/S, the trim setting is adjusted to the on position. However, it is suggested to return it to the off position accordingly in the programming of the transmitter.

Please note: Data Reset will return the trim setting to the off position.

Screen at the time of the motor OFF setting:

When the MOTOR OFF setting is highlighted, you will note the presence of the small cursor that indicates the MOTOR OFF position. To adjust this MOTOR OFF position, use the throttle stick to move the cursor accordingly. When satisfied with this position, press and hold the RTN button on the transmitter.

*The larger cursor is used to indicate the output of the motor channel. This cursor reflects any throttle curves and motor mixing which may be active.

```
SET: Push RTN(1sec)
ACT         OFF           ON
SW          SG
START SW    J2
MOTOR OFF   +80  ►
TRIM OFF    CURVE         OFF
```
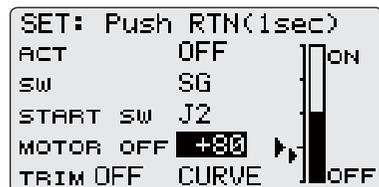
Throttle curve button:

When "CURVE" button is chosen, a throttle curve screen opens.

*When a throttle function is assigned to either channel, the "CURVE" button is not displayed because a throttle curve does not function as a motor curve.

Data Reset affect on motor channel in Glider model types. (glider)

· If the Model Type selected is Glider, the motor function channel is automatically reversed in the Reverse menu; all other channels remain normal.

If you have either a Glider or Airplane Model Type selected, and choose to activate the Motor function, a reverse setting screen is displayed. (airplane/glider)

*If YES is selected, the output is reversed. If NO is selected, the output is normal.

⚠WARNING

❗ **As a safety precaution to prevent the motor from starting unexpectedly, please switch off the motor accordingly. We also suggest removing the propeller from the motor as an additional precaution.**

```
REVERSE MOTOR CH ?
CH: 3
  YES → REVERSE
  NO  → NORMAL

          YES   NO
```
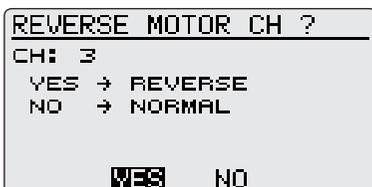
If the Model Type selected is Airplane, the MOTOR function is changed from INH to ON and it is not assigned to another channel, the changes from the throttle channel to the motor channel are enabled. (airplane)

⚠WARNING

❗ **As a safety precaution to prevent the motor from starting unexpectedly, please switch off the motor accordingly. We also suggest removing the propeller from the motor as an additional precaution.**

1) If the MOTOR function is activated in a model that does not have a motor channel, a channel change confirmation dialog will appear. Select YES, if you wish to change the throttle channel to the motor channel.

*When a motor channel already exists or when a throttle channel does not exist, the channel change confirmation screen is not displayed.

```
MOTOR              1/2
ACT        ACT      ON
SW          --
START SW    --
MOTOR OFF   +0
TRIM OFF           OFF
```

```
SET MOTOR CH ?
THERE IS NO MOTOR CH.
DO YOU CHANGE THE
THROTTLE CH TO THE
MOTOR CH ?
CH: 3
          YES   NO
```
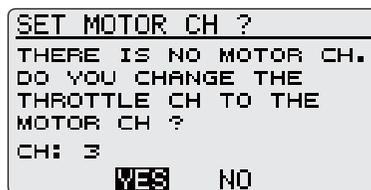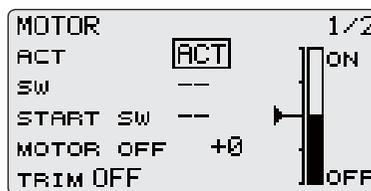
2) When "YES" is chosen with a channel change confirmation screen, the reverse setting change confirmation screen is displayed.

```
REVERSE MOTOR CH ?
CH: 3
  YES → REVERSE
  NO  → NORMAL

          YES   NO
```
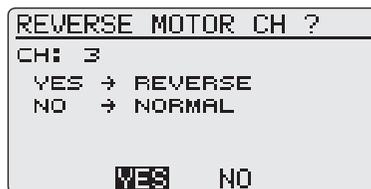
Governor revolution adjustment. (helicopter)

*There is no change in the transmitter output even when the "MODE" is changed. Calibration should be performed via the governor.

*In order to use the Governor function of the T8FG/S, it is necessary to change the settings on the governor for the low side 700 rpm mode.

1) When the MODE of the Governor screen's model menu is changed, the change is also indicated on-screen.

```
GOVERNOR    IDLEUP1
COND        IDLEUP1  ON
MODE  700-3500rpm
RATE 1500    <1500rpm>
FINE TUNING
  --      +0rpm(  +0rpm)
```
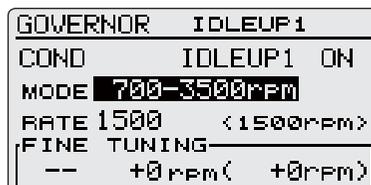
The chart below indicates the mode percentage and the corresponding RPM.

MODE	0%	50%	100%	110%
1000-2000rpm	1000rpm	1500rpm	2000rpm	2100rpm
1000-2500rpm	1000rpm	1500rpm	2500rpm	2700rpm
1000-3500rpm	1000rpm	1500rpm	3500rpm	3900rpm
700-2000rpm	700rpm	1500rpm	2000rpm	2100rpm
700-2500rpm	700rpm	1500rpm	2500rpm	2700rpm
700-3500rpm	700rpm	1500rpm	3500rpm	3900rpm

Individually adjust the Throttle Cut activation setting for each condition.

(helicopter)

*Since conditions are not offered when an Airplane is selected, the Throttle Cut options will vary from the options noted below.

1) In the Linkage menu, set the activation (ACT) setting for each condition as desired.

Throttle cut status
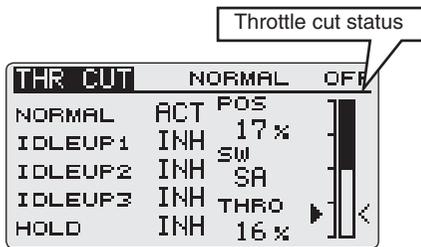
*After the update, "ACT" setting before the update is succeeded only for the normal condition. Other condition becomes the INH.

*The Throttle Cut POS and SW settings are utilized for all conditions.

*If the Throttle Cut switch is activated, or on, this status will continue even if the condition is changed to an inhibited setting.

*If the condition is inhibited (INH) the Throttle Cut is off if the SW is in the off position and the throttle stick is low.

Designating a Throttle Cut setting position. (helicopter)

*A throttle cut function acts in the low side of the throttle position.

*"THRO" setting is common with all condition.

⚠ WARNING

❗ **It is usually set in a little above idle.**

1) To add the Throttle Cut position, use the cursor to select the THRO percentage desired, then press and hold the RTN button for one second.

Throttle cut status

Throttle stick position

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