1. Fixed defect

Fixed a problem that telemetry reception time.

Important: When you update your radio to V3.9 and add the Model ID function, you must re-link existing FASSTest or T-FHSS receivers in your current models.

1. Add O.S.ENGINE EM-100 Telemetry function

Supports EM-100 firmware version Ver.8.00 or later.

In Ver 3.9 or later software with the model ID function added, model data saved on the SD card cannot be called using the model select function. To use the model data of the SD card, copy the model data to the transmitter. If the model data of the SD card was selected before the update, an error message will be displayed at the first startup after the update, and the model will automatically switch to the model data of the transmitter.
Link is required when a new model is made from a model selection.

Add new model data

Select a model in Model Select. Link with a receiver that matches the model.

- In the system types (FASSTest, T-FHSS) compatible with the model ID function, a unique ID number (model ID) is set to each model data. Linking with a receiver stores the model ID of the model data in that receiver. The receiver operates only when it receives radio waves transmitted using model data that matches the stored model ID. As a result, the receiver does not operate even if model data of an unintended setting is used by mistake, so it is possible to prevent a malfunction due to a model selection mistake.

- If you want to use different model data from the model data that you have been using, link again.

- Model ID feature is enabled only if the system type is FASSTest or T-FHSS. Please note that model ID function can not be used on other systems.

- For safety reasons, model ID function can not be disabled.

- Model ID is automatically set when copying or adding model data.

When using R3004SB

- When using the R3004SB, set “Receiver” in the system type screen T-FHSS mode setting to [R3004SB]. When using other T-FHSS compatible receivers, set "Receiver" to [Normal].

R3004SB receiver does not support model ID function.

2. Improved model copy function

Conventionally, only the model data currently active can be copied. In version 3.9, you can copy any model data.

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1. Telemetry sensor assignment
Third-party telemetry sensor JetCat V10 can be assigned from slot 1. This allows JetCat V10 and PowerBox to be used simultaneously.

1. Fixed defect
   Fixed a problem that an AFR rate of conditions 2 to 4 (“Gasvorw. 1” to “Gasvorw. 3”) cannot be set properly when the language mode is set to German and model type of a model data is Helicopter.

1. Compatibility of model data created with T18SZ 70th anniversary model
It is necessary to update software to Ver.3.6 or later in order to use model data created with the T18SZ 70th anniversary model.

   * There are no difference in functions between the 70th anniversary model and standard model.

1. Telemetry Airspeed sensor function
The T18SZ/T16SZ/FX-36 has been made compatible with the telemetry airspeed sensor.

   ◆ Airspeed sensor is registered with the transmitter.

   ![Diagram of Airspeed Sensor Registration]

   ◆ How to display the Airspeed sensor screen.

   ① [Linkage menu] → [Telemetry]
   ② Tap [Speed sensor]
2. CRSF Protocol for TBS

The T18SZ/T16SZ/FX-36 has been made compatible with the CRSF (TBS) protocol.

- Bidirectional communication function of CRSF is not supported.

1. [Linkage menu] → [System Type] → [Page 2/2] is opened from the transmitter.

2. Tap the "CRSF" button to [ON]. A signal conforming to the CRSF standard is output from the S.BUS setting connector (S.I/F) of the transmitter.

- When using CRSF, the S.BUS servo setting function and [Reload] [Register] [Change slot] functions cannot be used. When setting S.BUS servo and sensor, set CRSF to INH.
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T16SZ SOFTWARE UPDATE CHANGES

V3.3

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 T18SZ/T16SZ/FX-36 transmitter. Please refer to the original instruction manual where applicable, but replace the steps indicated below with these instructions. Please check to ensure that the update has been installed.

1) Select the System Menu.
2) Touch the [Information] button.
3) Confirm that the information in the display indicates the version numbers as noted above.

1. Fixed defect

- Fixed a problem that the power switch may not operate when the timer alarm is set to [Constant] mode.
- Fixed a problem that the position of the stick switch is not displayed correctly on the AFR. (FX-36 only)
- Fixed a problem that the power switch may not operate depending on the position of the trim dial. (FX-36 only)

2. Telemetry sensor made by O.S.ENGINES MFG.

It corresponds to O.S. EM-100 flight controller(under development). For details, please refer to the instruction manual of EM-100.

*The EM-100 is not handled at Futaba.

3. Fixed defect

- The count value of the integration timer has been corrected.
- Fixed the behavior of Ailevator.
- Fixed a problem that seldom the power switch does not work.

Futaba is not responsible for damage sustained by combination with parts other than Futaba Genuine equipment.

When connecting Futaba transmitters to the trainer code, do not operate the power switch on the student side transmitter and operate the power switch on the teacher side transmitter as before. The student side transmitter turns power automatically in conjunction with the teacher side.

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T16SZ SOFTWARE UPDATE CHANGES

V3.2

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 T18SZ/T16SZ/FX-36 transmitter. Please refer to the original instruction manual where applicable, but replace the steps indicated below with these instructions. Please check to ensure that the update has been installed.

1) Select the System Menu.
2) Touch the [Information] button.
3) Confirm that the information in the display indicates the version numbers as noted above.

1. Change of the trainer connector power supply specification

The update enables the trainer connector to supply power to external equipment connected to the trainer connector, when turning on the power by pressing the power switch in the trainer student mode.

2. Telemetry sensor made by O.S.ENGINES MFG.

It corresponds to O.S. EM-100 flight controller(under development). For details, please refer to the instruction manual of EM-100.

*The EM-100 is not handled at Futaba.
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 T16SZ transmitter. Please refer to the original instruction manual where applicable, but replace the steps indicated below with these instructions. Please check to ensure that the update has been installed.

1) Select the System Menu.
2) Touch the [Information] button.
3) Confirm that the information in the display indicates the version numbers as noted above.

1. Telemetry display (The extension of the number of telemetry data which is shown)

The number of telemetry data which is displayed to Telemetry display screen is extended. It is 16 items (4 pages) maximum.

2. Timer Alarm

Added a setting to keep the alarm after the alarm set time.

3. Model select

Model data of FX-32 can be used.

4. Data Converter

FX-30 and T12FG have been added to the data converter compatible models.

The transmitter name is displayed on icon.

5. Butterfly Elevator setting (Glider)

Added fine tuning function to butterfly elevator setting.

*When Flying wing type, it was made not to display Elevator setting.
6. Butterfly mixing mode (Glider)

The operation of Butterfly mixing was changed.

- Mode A
  (Normal)
  - The butterfly operation direction is reversed at the neutral position (50%) of the throttle stick.

- Mode B
  (Throttle stick full stroke MODE)
  - It does not reverse at the neutral position, so you can set the butterfly operation start point with the full stroke of the throttle stick.

7. Butterfly Differential rate (Glider)

The operation of Butterfly Differential rate was changed.

- When Butterfly Differential rate is "+", Up rate is decrease and DOWN rate is increase.
- When Butterfly Differential rate is "-", the calculation method of UP/DOWN and a direction become reverse.

8. Error correction for Failsafe screen

A fault that a fail-safe position indicator is not shown on the Failsafe screen in FASST-7ch mode has been fixed.

9. Manual change page 30

This supplement contains information for correcting manual errors. Refer to the following corrected items.

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