

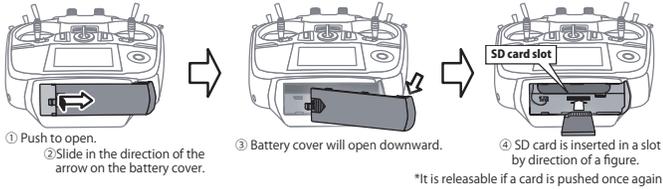
T14SG / FX-22 SOFTWARE UPDATE MANUAL

[Updating procedure]

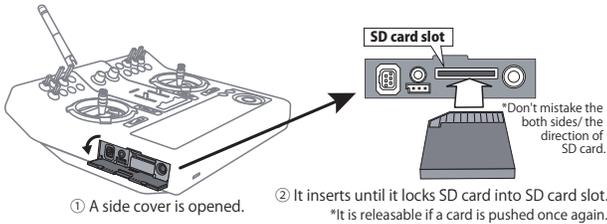
1. SD card format

1. You will first want to format your SD card to the 14SG/ FX-22. If you are using an existing SD card, any data previously saved to it will be deleted during the "format". We suggest you either save this data on your computer or purchase a new card.

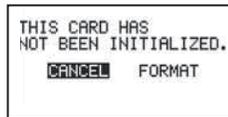
T14SG:



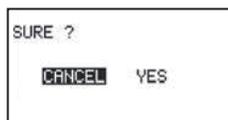
FX-22:



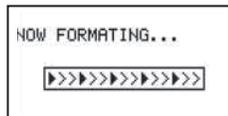
2. After inserting the new SD card into the transmitter, turn on the power switch. You will see the word "FORMAT" if you have not previously used this card in the transmitter.



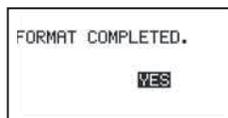
3. Please select "YES" and touch "RTN".



4. The following screen is displayed during formatting.



5. When the format is completed, the following screen is displayed.



6. Turn off the power switch and remove the SD card from its slot.

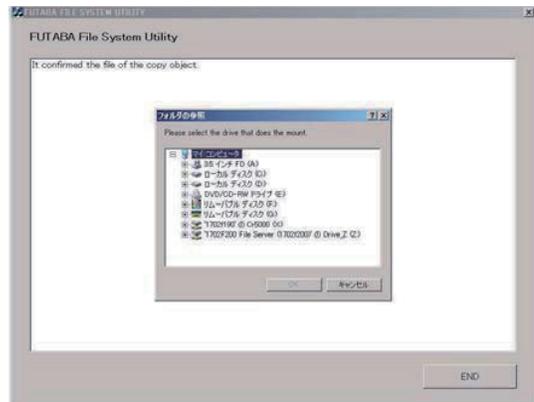
2. Preparing the software update card.

1. Please unzip the zipped file. The following files will be created.

- T14sgUpdate.exe
- T14sgUpdate.dat
- T14SG_UPDATE.dat
- T14SG_TS.bin
- T14SG_AP.bin
- T14SG_UPLD.bin

2. Insert the "formatted" SD card into a card reader in your PC.

3. Please run "T14sgUpdate.exe".

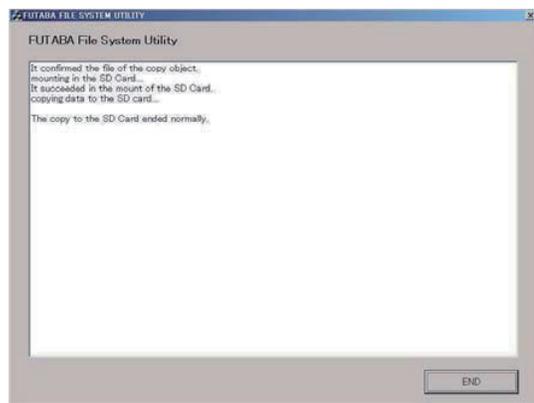


4. Select the drive that your card reader is assigned to in your PC.



5. After the Update files are copied to the SD card, the following screens are displayed.

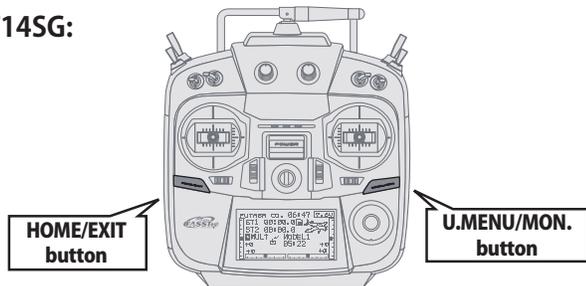
Click the "End" button.



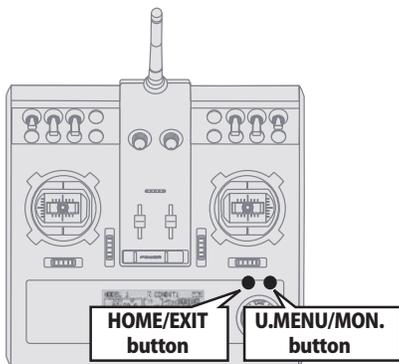
3. Update software of T14SG/FX-22

1. Please insert the SD card which includes the update file.
2. Push the HOME/EXIT button.
3. While still holding the HOME/EXIT button, power on the transmitter.

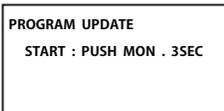
T14SG:



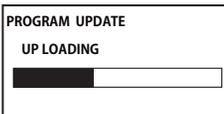
FX-22:



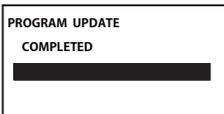
4. After a few seconds, the following screen is displayed.



5. Push the U.MENU/MON. button for three seconds. The software update will begin.



6. When the update is complete, the following screen is displayed. Turn off the power switch.



7. Remove the SD card.



8. Please check the software version at INFO in SYSTEM menu.



T14SG/FX-22 Installing Speech Data Ver.2

Before installing the speech data, you will need to update your T14SG/FX-22 software to Version 2.0 or later.

If the software version of T14SG /FX-22 is before Ver.2.0, the speech data can not be installed.

Ver.4.x software of T14SG/FX-22 is not able to play the Ver.1 sound data. After updating to Ver.4.x, please install the Ver.2 sound data to T14SG/FX-22.

There are three language versions, English, German, and Japanese, in speech data. It is possible to install only one language. If you install a second language, it will override the first one that you installed.

[Installing procedure]

1. Making of card for installing speech data

1. Please unzip the zipped file. The following files will be created.

English Version

- T14sgInstallSoundEng.exe
- T14sgUpdate.dat
- T14SG_INSTALL_SOUND.dat
- T14sgSpeechEng1.bin
- T14sgSpeechEng2.bin
- T14sgSpeechEng3.bin

German Version

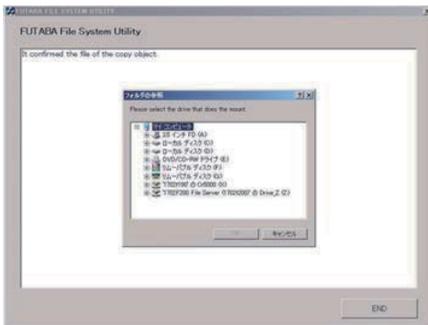
- T14sgInstallSoundEng.exe
- T14sgUpdate.dat
- T14SG_INSTALL_SOUND.dat
- T14sgSpeechGer1.bin
- T14sgSpeechGer2.bin
- T14sgSpeechGer3.bin

Japanese Version

- T14sgInstallSoundEng.exe
- T14sgUpdate.dat
- T14SG_INSTALL_SOUND.dat
- T14sgSpeechJpn1.bin
- T14sgSpeechJpn2.bin
- T14sgSpeechJpn3.bin

2. Install the already formatted SD card into your PC's card reader.

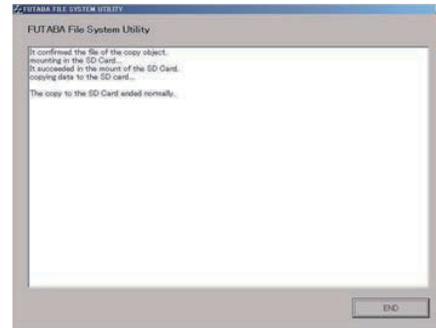
3. Please run "T14sgInstallSound***.exe".



4. Select the drive that your card reader is assigned to in your PC. Click "OK".



5. After the Update files are copied to the SD card, the following screens are displayed. Click the "End" button.

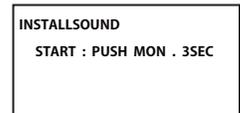


2. Install speech data of T14SG/FX-22

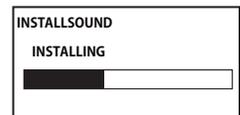
1. Please insert the SD card which includes the installing speech data.
2. Push the HOME/EXIT button.

3. Still holding the HOME/EXIT button, power on the transmitter.

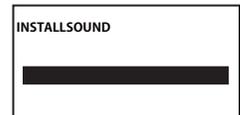
4. After a few seconds, the following screen is displayed.



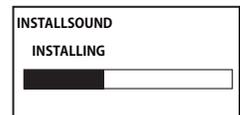
5. Press the U.MENU/MON. button for three seconds. The speech data begins to install.



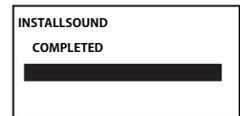
6. After about 16 seconds, uploading reaches the right of the progress bar, and then begins again after a pause.



7. The uploading may appear to progress slowly.



8. The progress bar will again upload. This can take a few minutes.(About. 2 min.)



And, "COMPLETED" is displayed. Please turn off the power.

(Don't turn off the power before COMPLETED is displayed.)

9. Please detach SD card.

10. Please check the language at TELEM.SET. menu in LINKAGE menu.

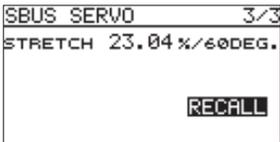
T14SG/FX-22 Software Update Changes (Version 9.x)

This software update modifies features found on the T14SG/FX-22. If you have questions about these updated directions, please consult your instruction manual or futabausa.com for further details. Refer to the original manual where applicable but replace the steps indicated below with these instructions.

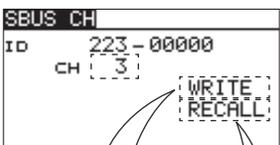
1. SBUS SERVO S.BUS CH setting

CH setting of **O.S.** Engine's **KS-01** is available. **KS-01** is a device that turns on / off the igniter power of the gasoline engine from the transmitter. Turn on / off with 5ch of the transmitter, but use it when you want to change to another channel.

- ◆ Connect the **KS-01** to the **S.I / F** port with a battery as shown.
*In the case of **FX-22**, it is not necessary to supply a power battery.
- ◆ Select **SBUS SERVO** menu in **SYSTEM** menu.



- ◆ Move to page 3/3.
- ◆ Operate **RECALL** button. (**RECALL** is chosen. ⇒ **RTN** is pushed. ⇒ **RTN** is pushed for 1 second.) **CH setting screen** is shown.



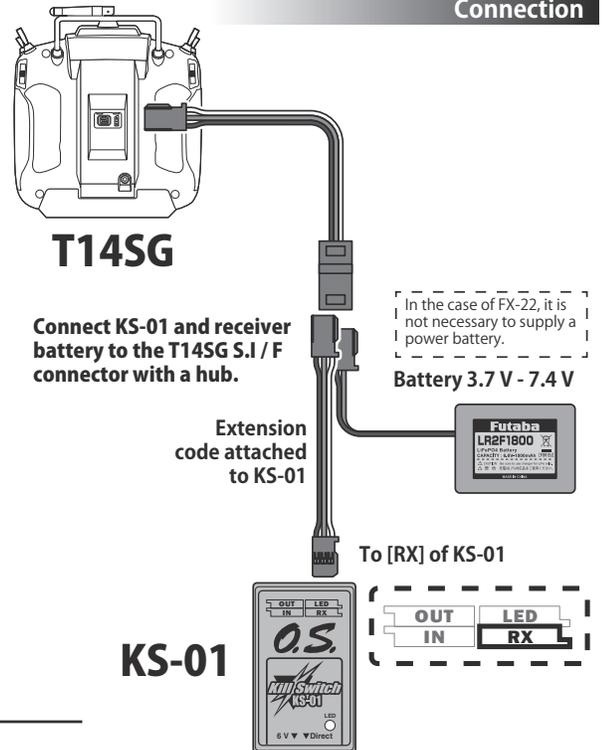
- ◆ Set the **CH** to turn on / off the igniter.
*Setting range: CH1-CH12, DG1, DG2
- ◆ Operate **WRITE** button. (**WRITE** is chosen. ⇒ **RTN** is pushed. ⇒ **RTN** is pushed for 1 second.) The settings are changed.

WRITE operating is writing CH setting to KS-01.

RECALL operation is reading CH setting from KS-01.

- ◆ When the **WRITE** operation is success, the message "**COMPLETED**" is shown. When the **WRITE** operation is failure, the message "**FAILED**" is shown.

Connection



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