Futaba

T12K SOFTWARE UPDATE MANUAL

[Updating procedure]

1. micro SD card format

1. You will first want to format your micro SD card to the T12K. If you are using an existing micro 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.

T12K:
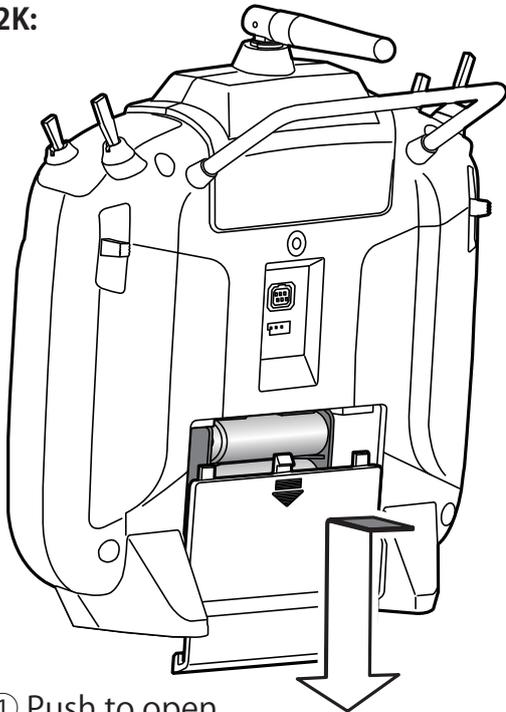
① Push to open.

②Slide in the direction of the arrow on the battery cover.
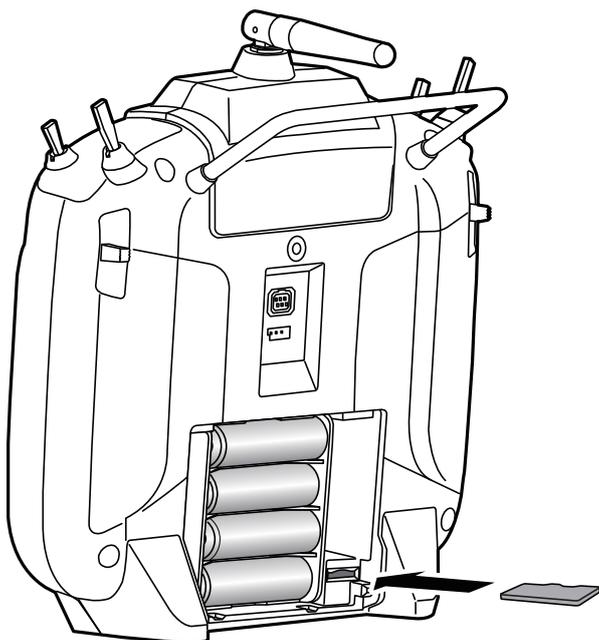
③ micro SD card is inserted in a slot by direction of a figure.

*It is releasable if a card is pushed once again.

2. After inserting the new micro 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.

```
THIS CARD HAS
NOT BEEN INITIALIZED
  CANCEL   FORMAT
```

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

```
SURE ?

    CANCEL     YES
```
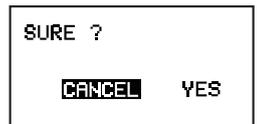
4. The following screen is displayed during formatting.

```
NOW FORMATING...

  ▶>>▶>>▶>>▶>>▶>>
```
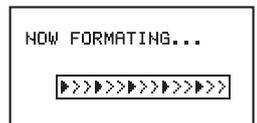
5. When the format is completed, the following screen is displayed.

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

```
FORMAT COMPLETED.

         YES
```

2. Preparing the software update card.

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

> · **T12KUpdate.exe**
> · **T12KUpdate.dat**
> · **T12K_UPDATE.dat**
> · **T12K_AP.bin**
> · **T12K_UPLD.bin**

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

3. **Please run "T12KUpdate.exe".**
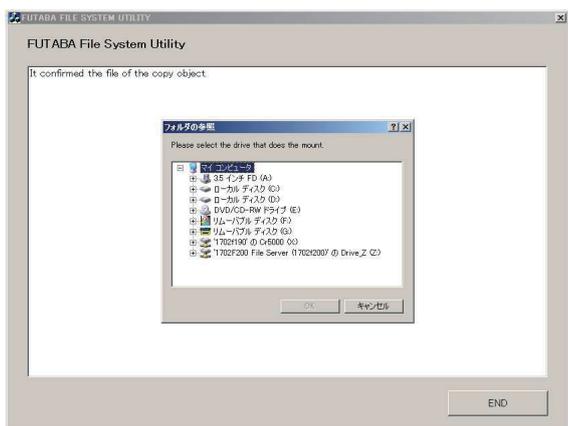
4. **Select the drive that your card reader is assigned to in your PC.**

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

   Click the "End" button.
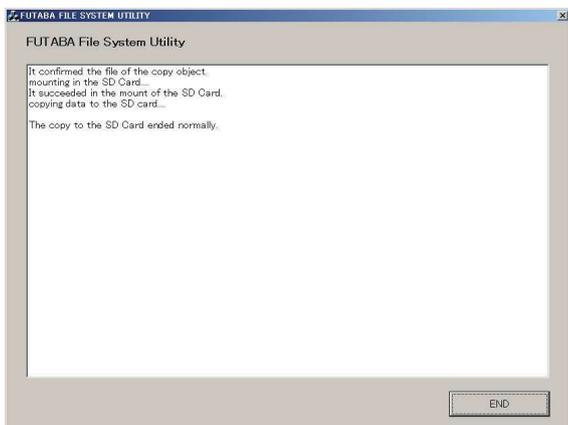
3. Update software of T12K

1. **Please insert the micro 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.**

T12K:

HOME/EXIT button

U.MENU/MON. button

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

```
PROGRAM UPDATE
  START: PUSH MON. 3SEC
```
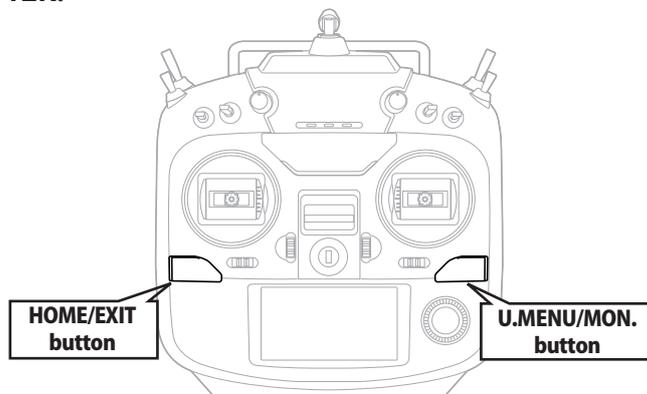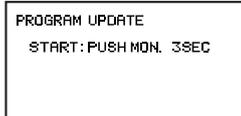
5. **Push the U.MENU/MON. button for three seconds. The software update will begin.**

```
PROGRAM UPDATE
  UP LOADING
```
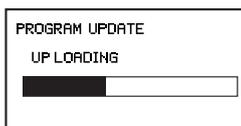
6. **When the update is complete, the following screen is displayed. Turn off the power switch.**

```
PROGRAM UPDATE
  COMPLETED
```

7. **Remove the micro SD card.**

```
SYSTEM MENU
TRAINER    : START SEL.
DISPLAY    : AUTO LOCK
USER NAME  : INFO
SOUND      : SBUS SERVO
H/W SET    :
```
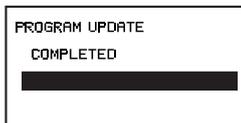
8. **Please check the software version at INFO in SYSTEM menu.**

```
INFO
PRODUCT    012050002
RF ID      122920001
LANGUAGE   ENGLISH
VERSION    
AREA       JAPAN
CARD SIZE  8/3766
```

Language table   Choose from these files.

Version No.	Selectable language		
Ver.x.x　(No sufix)	English	Japanese	German
Ver.x.x A	English	Dutch	French
Ver.x.x B	English	Spanish	Czech
Ver.x.x C	English	Russian	Italian

T12K INSTALLING SPEECH DATA

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.

*The telemetry speech and the version of installed speech data can be confirmed on the "TELEM.SET." screen.

*After updates, there is a possibility that a language changes. Readjust a language in that case.

Speech Language table   Choose from these files.

Version No.	English	Japanese	German	French
Ver.x.x (No sufix)	◯	◯	◯	—
Ver.x.x A	◯	—	◯	◯
Ver.x.x B	◯	—	◯	◯
Ver.x.x C	◯	—	◯	◯

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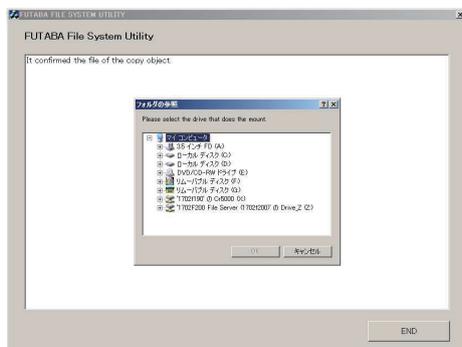
4. **Select the drive that your card reader is assigned to in your PC. Click "OK".**

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

2. Install speech data of T12K

1. **Please insert the micro 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.**

   ```
   INSTALLSOUND
      START: PUSH MON. 3SEC
   ```
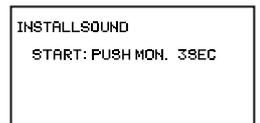
5. **Press the U.MENU/MON. button for three seconds. The speech data begins to install.**

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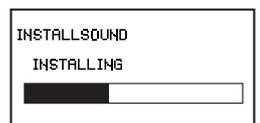
6. **After about 16 seconds, uploading reaches the right of the progress bar, and then begins again after a pause.**

   ```
   INSTALLSOUND
   ```
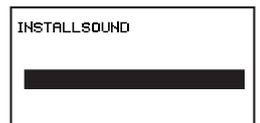
7. **The uploading may appear to progress slowly.**

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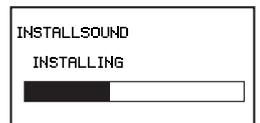
8. **The progress bar will again upload. This can take a few minutes. (About. 2 min.)**

   And, "COMPLETED" is displayed. Please turn off the power.
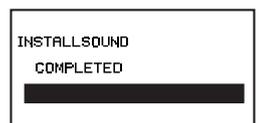
   (Don't turn off the power before COMPLETED is displayed.)

   ```
   INSTALLSOUND
      COMPLETED
   ```

9. **Please detach micro SD card.**

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