



09/05/08

This procedure is used to update the flash programming for the FT-2000/D transceivers.

We recommend installing the Flash Programming Software on a PC computer with Windows 2000, XP or Vista Operating System; and use the CT-119 programming cable

The update software is available from our website at <http://www.yaesu.com>. The CT-119 programming cable is available from your authorized Vertex Standard dealer. You may also order by email to Vertex Standard parts department, yaesuparts@vxstdusa.com.

When using the CT-119 cable it is not required to operate the internal switch S3004 or to remove the cover. Please follow these instructions (PART 1 and 2). This is the easiest and best method.

If the CT-119 programming cable is not available you will need a serial cable RS-232C, DB9F to DB9F straight cable. Please follow these instructions (PART 1 and 3).

Ver. 0140 implements improvements:

- Corrects a bug (CAT on RX MAIN VFO-A) found in Ver. 0139.
- Also includes all previous updates.

Ver. 0139

- Implement 50 ms hold time for SSB TX Power meter.
- Eliminate crackling noise from CW full break in monitor.
- Roofing filter Auto selection no longer reverts to 15 kHz when NB is enabled.
- Permit AF (MONI) monitor in the Packet mode (PKT).
- DMU monitor MENU name changes:
No.116 MAIN DIAL STEP → DIAL STEP
No.117 MAIN DIAL CW FINE → DIAL CW FINE
- Add a curve to NB GAIN control (a curve same as RF-GAIN).
- Also includes all previous updates.

The software updates will work with all versions (AF, AS, EU, NA, OC, SA or all Countries) of the FT-2000 and FT-2000D.

NOTE: Our documents have listed the software in some different ways. For example v0140, v1.40 and v1-40 as used in these instructions and information are referring to the same version of software.

PART 1

Install the data file to PC

1. Download the FT-2000 data file [[AH025_140_09-05-08.zip](http://www.yaesu.com/indexVS.cfm?cmd=DisplayProducts&ProdCatID=102&encProdID=66EA91711DFB68C03DED4AD35153E12C&DivisionID=65&isArchived=0)] from the following website:

<http://www.yaesu.com/indexVS.cfm?cmd=DisplayProducts&ProdCatID=102&encProdID=66EA91711DFB68C03DED4AD35153E12C&DivisionID=65&isArchived=0>

2. Save the FT-2000 data file [[AH025_140_09-05-08.zip](#)] to a temporary folder on your hard drive.
3. Unzip and Extract the contents of "[AH025_140_09-05-08.zip](#)" to a desktop or local disk C:\temp of your computer.
4. Two files named [FSW003.exe] and [[AH025_V0140.SFL](#)] will be found in a desktop or local disk C:\temp.

The programmer and software are now stored on your computer in the drive and files designated in the last step above and are ready to update your FT-2000 or FT-2000D Transceiver.

PART 2

CT-119 programming cable

*This procedure is used for uploading new Software into the FT-2000 and FT-2000D Amateur Transceivers using the CT-119 program cable.

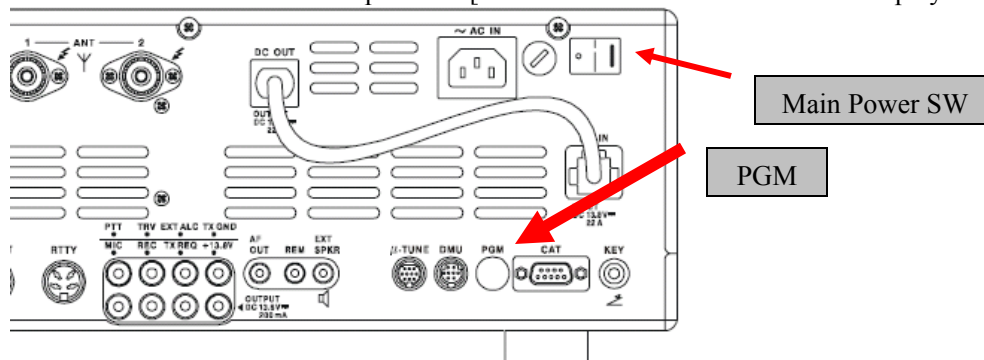
****Don't forget to write down any menu settings you have changed from the default before you start.***

- (1) Turn off the main power switch located on the back of the FT-2000 (or turn off the power supply for FT-2000D) and remove the AC power cord.
- (2) Connect the CT-119 Cable's DB9F connector to the serial port COM1 in the back of your computer. You may also use a USB to serial adaptor if the DB-9 (RS-232C) serial port is not available on your computer.
- (3) Now go to the desktop or local disk C:\temp and find the **FSW003** icon as shown below. Double-click the **FSW003** icon, displayed on the Program Screen.



Fsw003.exe

- (4) When the program opens, confirm that the file [AH025_V0140.SFL](#) is highlighted; if not, click on it to highlight it.
- (5) Remove the black cover from the PGM jack (bottom left on the rear panel). Plug the mini-DIN connector of the CT-119 into the PGM jack. Be sure that the **arrow** indicator on the mini-DIN plug is **down**. Plug the AC cable into the radio and turn the main power switch on the back of the radio to the ON position. [NOTE: The radio will not show a display now.]



- (6) Click on [WRITE] in the program window. A status bar with green bars should appear below the [WRITE] button. *Note disregard the on screen instruction to [3. Turn "S3004" on].*
- (7) When the loading process is complete an [OK?] box will appear. Click [OK?].
- (8) Turn off the main power switch, and unplug the AC cable for ten seconds.
- (9) Unplug the CT-119 from the radio.
- (10) Plug the AC cable into the radio and turn the main power switch on the back of the radio to the ON position (or on the power supply for FT-2000D).
- (11) Plug the radio back in. Press and hold in the [FAST] and [LOCK] keys; while holding them in, turn the radio back on (this resets the radio and locks in the new firmware).
- (12) Turn the radio off. The updating process is now complete.

PART 3

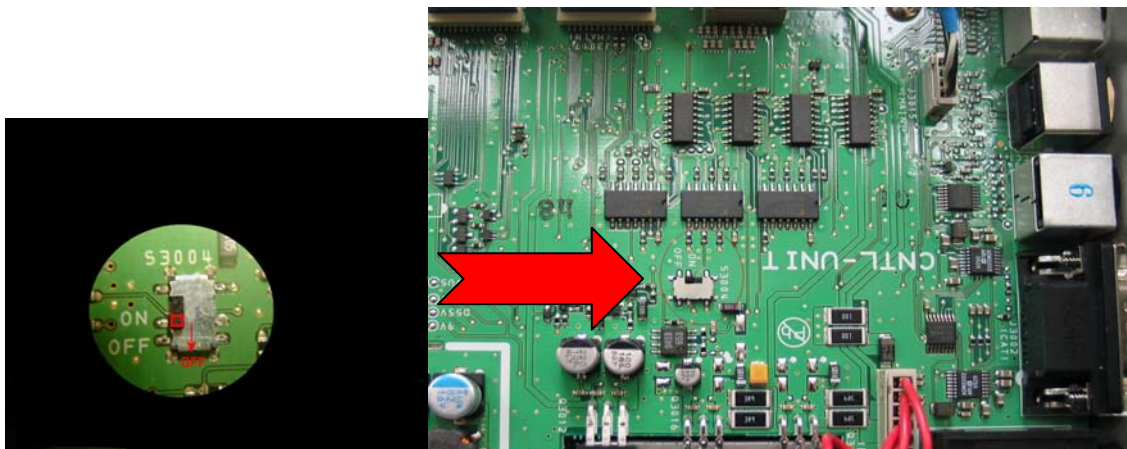
RS-232C, DB9F to DB9F straight cable

*This procedure is used for uploading new Software into the FT-2000 and FT-2000D Amateur Transceivers using the RS-232C, DB9F to DB9F straight cable.

****Don't forget to write down any menu settings you have changed from the default before you start.***

We recommend you follow this process, steps (1) thru (18), the first time you program your radio. After you are familiar with the location of the switch S3004 you may wish to bypass Steps (2) and (15), and operate the switch through the hole under the left rear foot (near the CAT connector). See the illustration below Figure A. You must be **extremely careful** to avoid damage to the PC components (which may not be covered by the Limited Warranty). Use a flashlight and insulated tool to operate the switch.

- (1) Turn off the main power switch located on the back of the FT-2000 (or turn off the power supply for FT-2000D) and remove the AC power cord.
- (2) You must access the programming switch S3004. It is located on the control PC board on the bottom of the FT-2000/D. To find and operate the switch, remove the top cover (9 black screws). Remove the bottom cover (seven black screws). Remove the bottom shield (15 silver screws). Carefully Place the Transceiver bottom side up on a sturdy cleared worktable. Find the micro-switch on the pc board near the rear right hand corner when looking down at the bottom of the FT-2000. (See the attached photo.)




- (3) Connect a serial cable RS-232C, DB9F to DB9F straight cable to the **COM1 connector** of your computer and the **9-pin CAT connector** on the rear of the transceiver. If you use a USB to serial adaptor you might need to change the COM Port number.
- (4) Switch the programming micro **switch S3004 to on.**
- (5) Connect the AC power cable. (In the case of the FT-2000D connect the power supply cables.)
- (6) Turn on the main power switch. (Located on the rear panel of the FT-2000 or on the front of the power supply for the FT-2000D.)
- (7) Now go to the desktop or local disk C:\temp and find the **FSW003** icon as shown below. Double-click on **the FSW003** icon.



Fsw003.exe

- (8) When the program opens, confirm that the file [AH025_V0140.SFL](#) is highlighted; if not, click on it to highlight it
- (9) Click on [WRITE] in the program window. A green status bar should appear below the [WRITE] button to show the progress of the download. Do not interrupt the process until it completes.
- (10) When the loading process is complete, an [OK?] box will appear. Click [OK?].
- (11) Turn off the main power switch. (Located on the rear panel of the FT-2000 or on the front of the power supply for the FT-2000D.)
- (12) Disconnect the AC power cable. (In the case of the FT-2000D also disconnect the power supply cables.)
- (13) Switch the programming micro **switch S3004 to the off position.**
- (14) Remove DB9F straight cable from the CAT connector on the rear of the transceiver.
- (15) Replace the bottom shield panel (15 screws). Replace the bottom case (7 black screws). Replace the top case (9 black screws)
- (16) Reconnect the power cord, (or power supply and connectors for FT-2000D)
- (17) Turn the main power switch located on the back of the FT-2000 to the ON position (or on the power supply for FT-2000D).
- (18) Press and hold in the [FAST] and [LOCK] keys while turning the radio back on. (This resets the radio and locks in the new software.) The updating process is now complete.

The software version can be displayed on the radio

While holding the three buttons [GEN]+[50]+[ENT]  turn the radio on. The software version will be displayed in the VFO-A window for 5 seconds **10.29 1.40** and then the radio will start up in normal operation. **Example:** 10.29 1.40 ... EDSP v10-29, Main v0140.



We hope this new software will increase your enjoyment of your FT-2000/D. Thank you for choosing Yaesu radios. If you have any problems or questions please contact Vertex Standard, Amateur Tech Support. amateurtech@vxstdusa.com

Best 73,
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Figure A

