

6/05/07

This procedure is used to upload new software into the FT-2000 and FT-2000D Amateur Transceivers. A Vertex Standard CT-119 (AAE99X001) programming cable is required.

The CT-119 (AAE99X001) cable should be available from Vertex Standard parts department the end of July 2007. You may order by email to yaesuparts@vxstdusa.com. (Price TBA)

When using the CT-119 (AAE99X001) cable it is not required to operate the internal switch S3004 or to remove the cover.

Ver. v0129 implements improvements

1. Permit full break-in QSK operation up to 40 WPM.
2. Permit CAT command EX1205 acknowledgement to 20 kHz.
3. The 139 tUAd PE3 LVL default is changed.
4. Also includes all previous updates.

PART 1

We recommend Installing the Flash Programming Software on a PC computer with Windows 2000, XP or higher Operating System

- (1) Double click on the zip file ([AH025_129_05-30-07.zip](#)) that is attached to this email.
- (2) In the Security window that appears, click the “save to disk” box
- (3) In the “Save as” window, designate the folder you wish to save the file in and click the save icon. (Suggest a TEMP HOLD file)
- (4) From your computer desktop locate the file “[AH025_129_05-30-07.zip](#)” (Which should be in the folder designated in the previous step.) and double click to open it.
- (5) In the WinZip window, which appears, click the “I agree” icon.
- (6) The WinZip application should open and show 3 files.
- (7) Point to the “Extract” icon and double click.
- (8) In the next WinZip Extract Window note the path to the drive and folder where the files will be stored, (You may change the location if desired.) and click the WinZip Extract button.

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

If the CT-119 (AAE99X001) programming cable is available, you may use part 2 instructions. If CT-119 (AAE99X001) is not available, you must follow the instructions in part 3.

PART 2 *CT-119 (AAE99X001)

FT-2000 and FT-2000D Software Update Procedure

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

This procedure is used for uploading new Software into the FT-2000 and FT-2000D Amateur Transceivers using the CT-119 (AAE99X001) program cable.

- (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 (AAE99X001) Cable's DB-9 connector to the serial port COM1 in the back of your computer.
- (3) Go to the drive and folder where you stored the provided software. Locate and open the software file FSW 003 **(the icon has a lightning bolt on it)**.
- (4) When the program opens, confirm that the file [AH025_V0129.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 (AAE99X001) into the PGM jack, be sure that the **arrow** indicator on the mini-DIN plug is **down**. Plug in the AC cable into the radio, and turn the main power switch on the back of the radio to on. [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, click on the [OK?] box which will appear.
- (8) Turn off the main power switch, and unplug the AC cable for ten seconds.
- (9) Unplug the CT-119 (AAE99X001) from the radio,
- (10) Plug in the AC cable into the radio, and turn the main power switch on the back of the radio to on. (or on the power supply for FT-2000D)

- (11) Plug the radio back in, and 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.

[If the CT-119 \(AAE99X001\) programming cable is not available please follow these instructions.](#)

PART 3 *9 pin straight cable

FT-2000 and FT-2000D Software Update Procedure

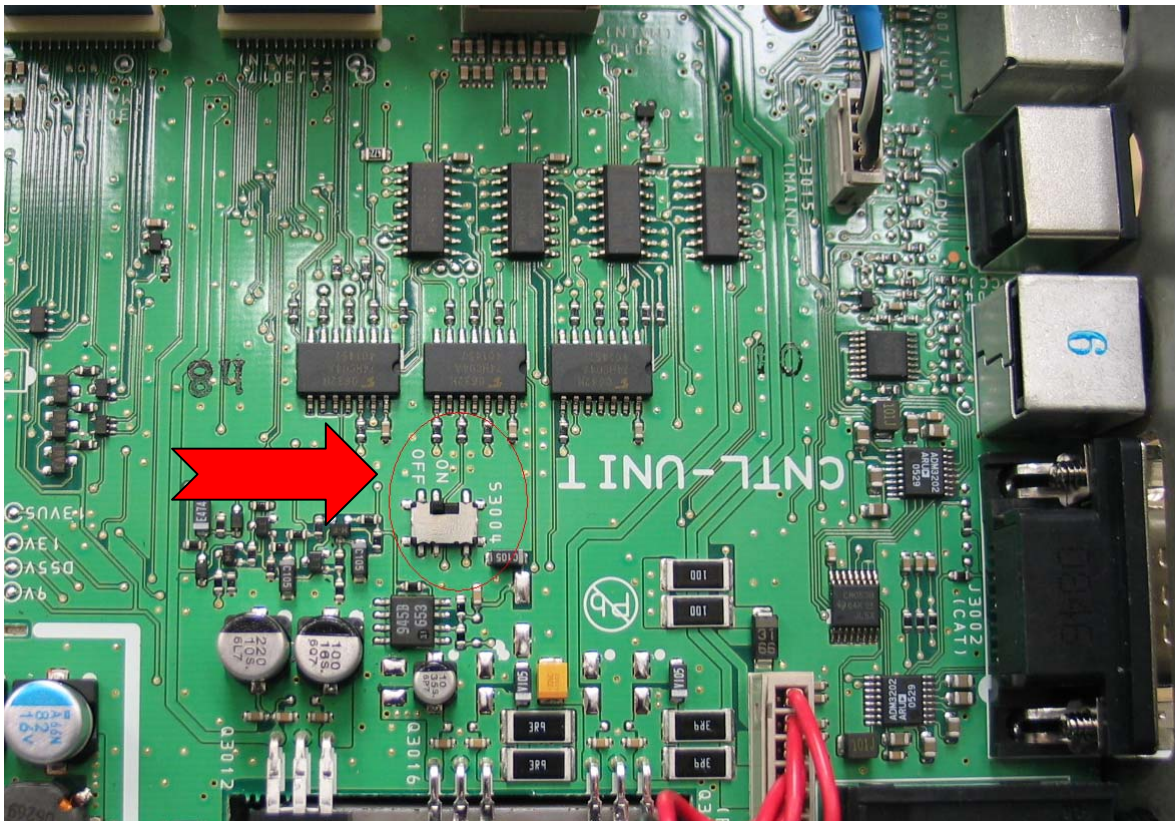
****Don't forget to write down any menu settings you have changed from the default before you start.***

This procedure is used to upload new software into the FT-2000 Amateur Transceiver.

- (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. 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 female to female 9 pin straight cable to the **COM1 connector** of your computer and the **9-pin CAT connector** on the rear of the transceiver.
- (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) Go to the drive and folder where you stored the provided software. Locate and open the software file FSW 003 **(the icon has a lightning bolt on it)**.
- (8) When the program opens, confirm that the file [AH025_V0129.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, click on the [OK?] box, which will appear.
- (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 9 pin 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 on the main power switch located on the back of the FT-2000 (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.



You must access the programming switch S3004. It is located on the CONTROL-UNIT PC board on the bottom of the FT-2000. 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 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

