

FTM-3200D

DSP Firmware Update Instruction Manual

Introduction

This application is a software tool for updating the firmware of transceivers manufactured by Yaesu Musen Co., Ltd.

CAUTION!

*Be sure to confirm the model and the version of your transceiver before starting the update.
Writing incorrect firmware to the transceiver may cause abnormal operation or failure.*

Important Notes

- All responsibility for the use of this software lies with the customer. Yaesu cannot be held responsible in any way for any damages or losses, which may be incurred by the customer as a result of using this software.
- Copyrights and all other intellectual property rights for the software, as well as the software manual, are the property of YAESU MUSEN CO., LTD.
- Revision, modification, reverse engineering, and decompiling of this software is prohibited. Redistribution, transfer, and resale of downloaded files are also prohibited.
- Downloaded files may only be used for personal use.
- If you cannot perform the firmware upgrade yourself, please consult with one of our sales sites or service centers.

Trademarks

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System Requirements (Operating Environment)

In order to use this program, a personal computer (PC) with one of the following Windows operating systems, and a USB data connection cable are required

Supported Operating Systems

One of the following operating system environments:

- Microsoft® Windows® 10 (32 bit / 64 bit)
- Microsoft® Windows® 8.1 (32 bit / 64 bit)
- Microsoft® Windows® 8 (32 bit / 64 bit)
- Microsoft® Windows® 7 (32 bit / 64 bit, Service Pack 1 or later)

CPU

The performance of the CPU must satisfy the operating system requirements.

RAM (System Memory)

The capacity of the RAM (system memory) must be more than sufficient to satisfy the operating system requirements.

HDD (Hard Disk Drive)

The capacity of the HDD must be more than sufficient to satisfy the operating system requirements.

In addition to the memory space required to run the operating system, about 50 MB or more of additional memory space is required to run the program.

Necessary PC peripheral interfaces

USB interface (USB Port)

Overview of the DSP Firmware Update

Update the firmware by following the procedures below:

1. Download the YAESU Amateur Digital DSP Firmware Update Program (page 4)
2. Install a Device Driver (page 4)
3. Update the DSP Firmware (page 11)

Downloading the YAESU Amateur Digital DSP Firmware Update Program

Download the “YAESU Amateur Digital DSP Firmware Update Program”; with this software, you can update the FTM-3200D DSP firmware.

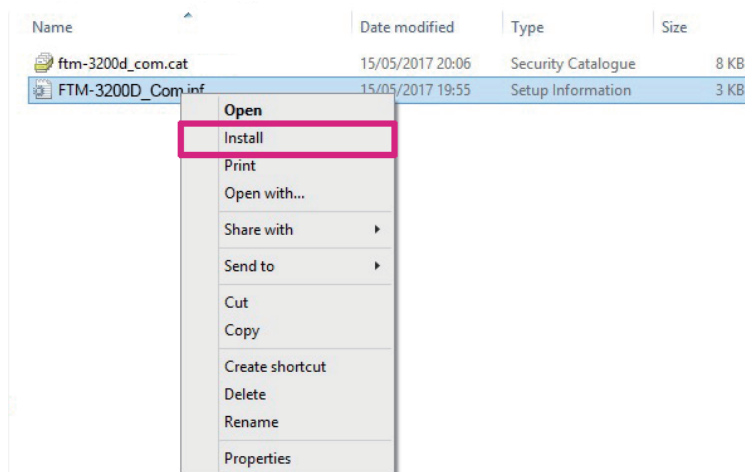
1. Download the update program from the Yaesu web site.
2. Extract the downloaded zip file, and save the data contained inside the zip file to any desired location.

Installing a Device Driver

Before updating the FTM-3200D DSP firmware, install the device driver. Follow the appropriate procedure below for your version of Windows.

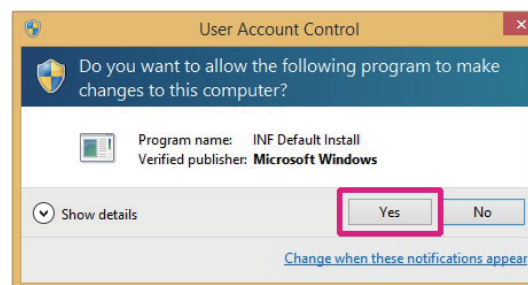
For Windows 10, Windows 8.1, and Windows 8

- * The following procedure must be performed only when using the software for the first time. When the device driver is already installed on your computer, skip the following procedure.
 - * The procedure to install the driver on a Windows 10 computer is shown below for the purpose of explanation.
1. Open the folder in which you saved the data in step 2 of “Downloading the YAESU Amateur Digital DSP Firmware Update Program” instructions on page 4.
 2. Right-click the “FTM-3200D_Com.inf” file, and then select [Install] from the menu displayed.



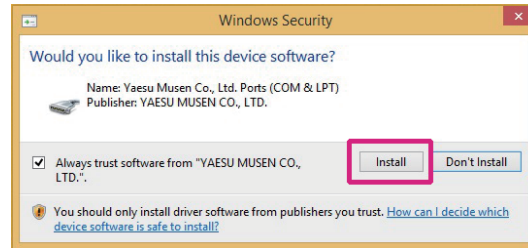
The “User Account Control” screen appears.

3. Click the [Yes] button.



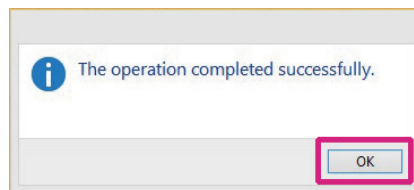
The “Windows Security” screen appears.

- Click the [Install] button.

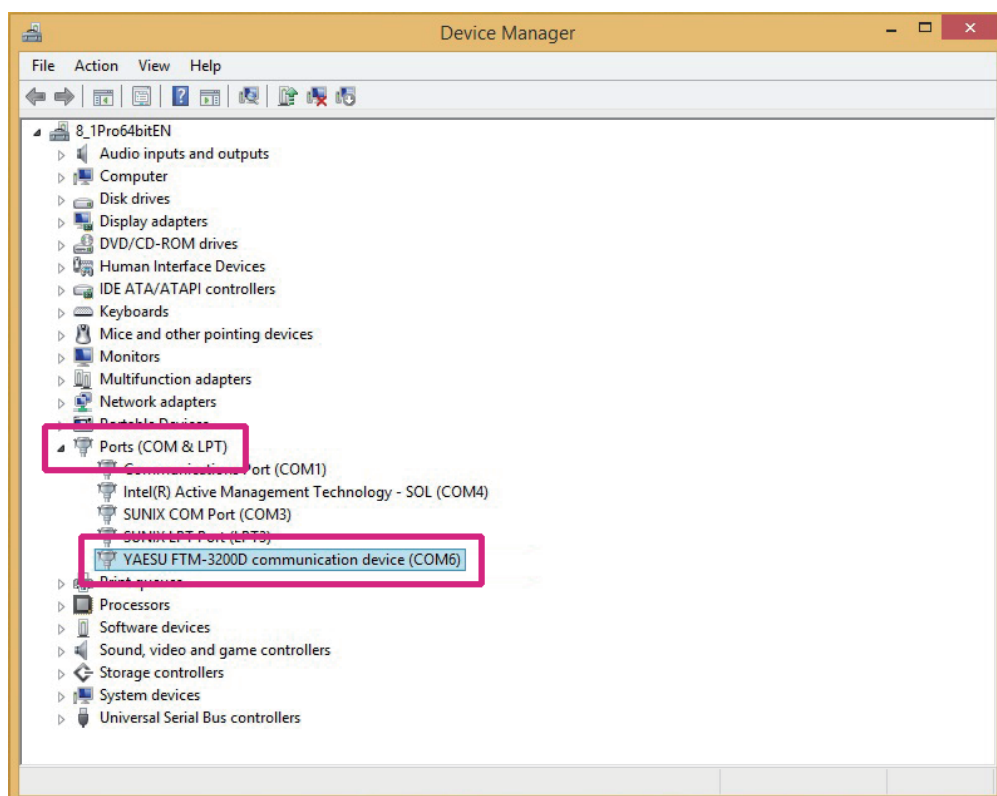


The device driver installation begins. When the installation completes, the message "The operation completed successfully." appears.

- Click the [OK] button.



- Perform steps 1 to 5 in "Updating the DSP Firmware" on page 11. Installs the device driver installation.
- [Click [Start] > [Control Panel]].
"Control Panel" appears.
- Click [Device Manager].
"Device Manager" appears.
- Check that "YAESU FTM-3200D communication device (COMXX)" appears under "Ports (COM & LPT)", and then close "Device Manager".
 - * "XX" refers to a port number. Since "COMXX" is required when updating the DSP firmware, write down the port number.



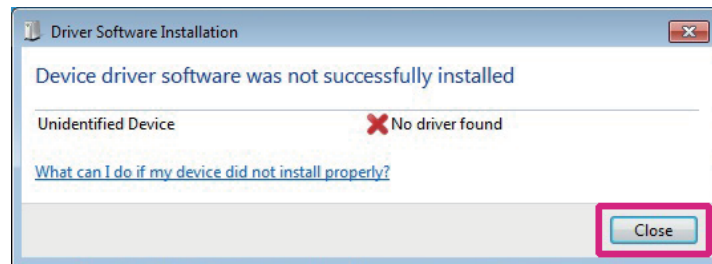
For Windows 7

* The following procedure must be performed only when using this software for the first time. When the device driver is already installed on your computer, skip the following procedure.

1. Perform steps 1 to 5 in “Updating the DSP Firmware” on page 11.

* At this time, FTM-3200D is recognized as an unknown device and the “Driver Software Installation” screen appears on the computer. Follow the procedure below to install the device driver onto your Windows 7 computer.

2. On the “Driver Software Installation” screen, click the [Close] button.



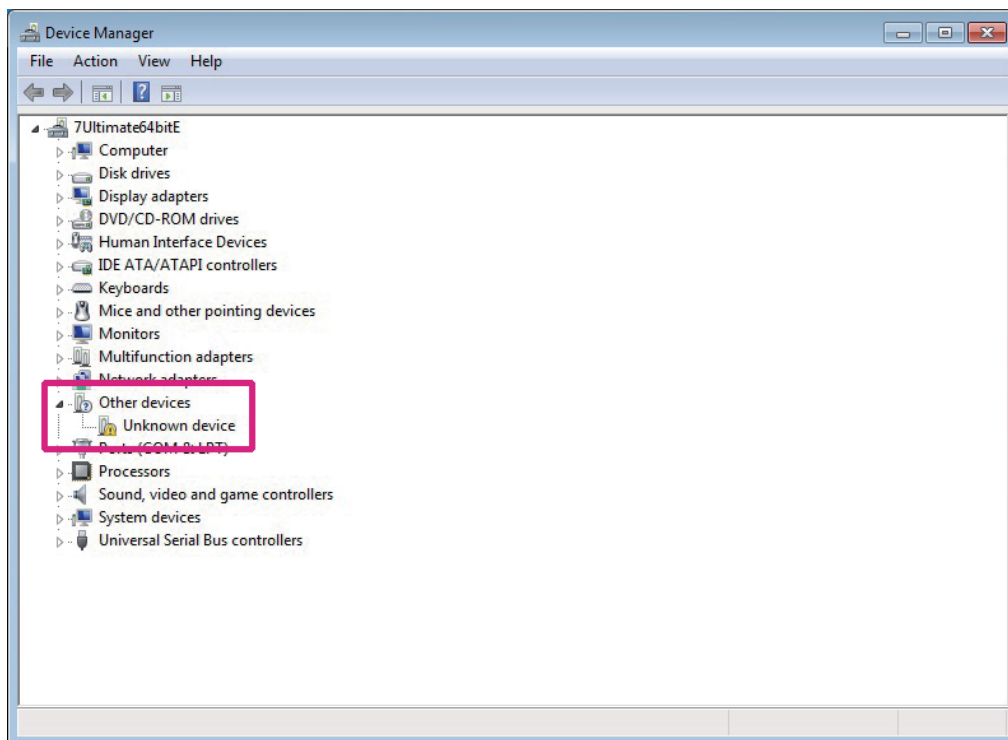
3. [Click [Start] > [Control Panel].

“Control Panel” appears.

4. Click [Device Manager].

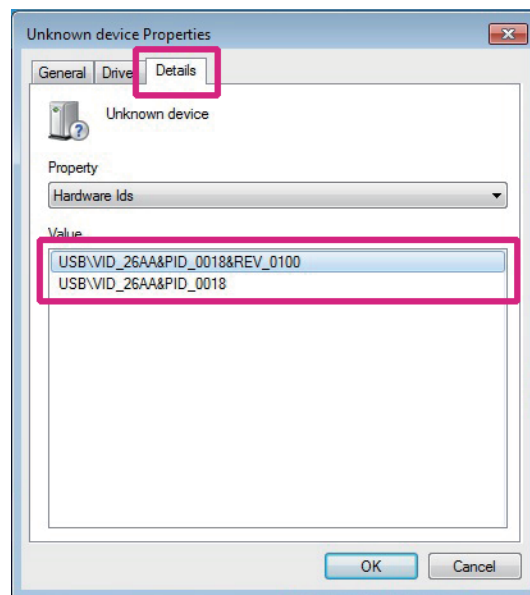
“Device Manager” appears.

5. Under “Other devices” double-click [Unknown device].

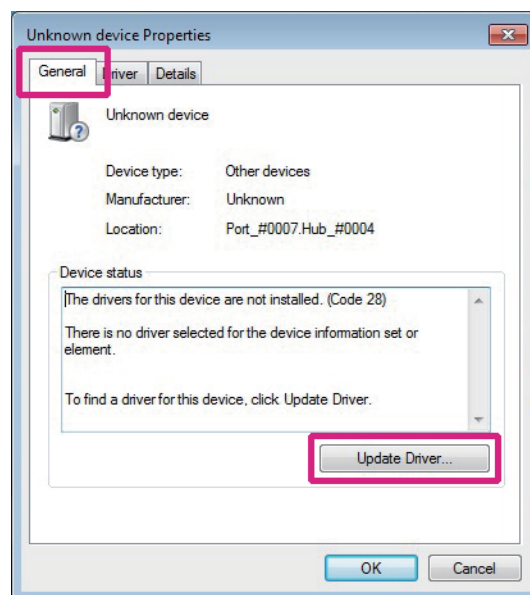


The “Unknown Device Properties” screen appears.

6. Click the [Details] tab and check that the information (value) shown on the screen below appears.

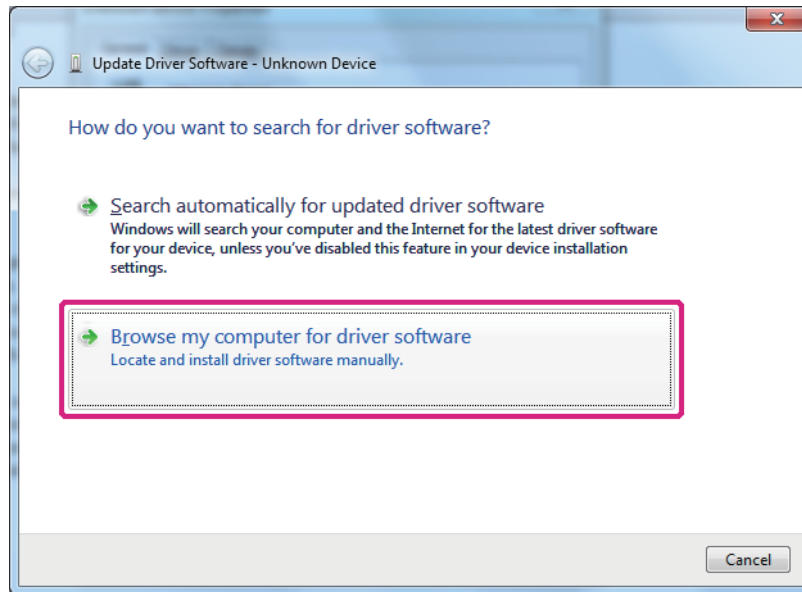


7. Click the [General] tab and then click the [Update Driver] button.



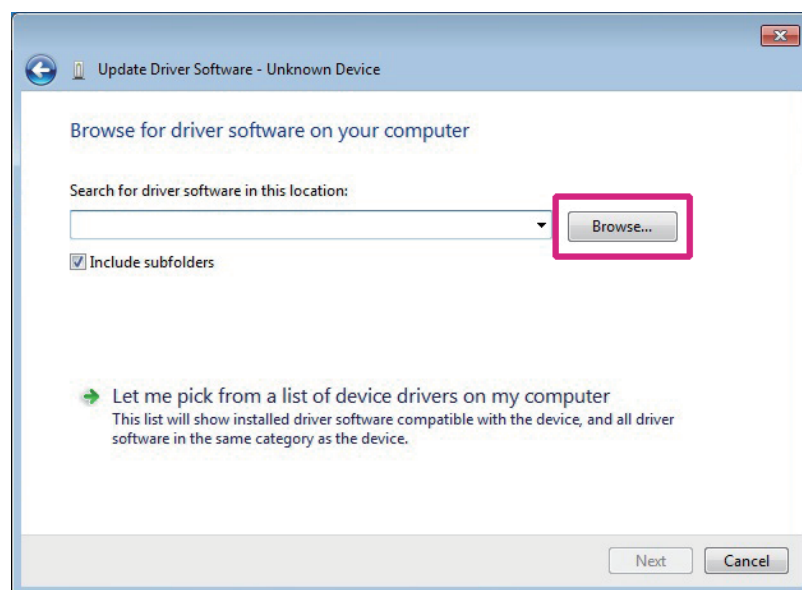
The "Update Driver Software - Unknown Device" screen appears.

8. Click [Browse my computer for driver software].



On the screen displayed, you can search for driver software.

9. Click the [Browse] button.

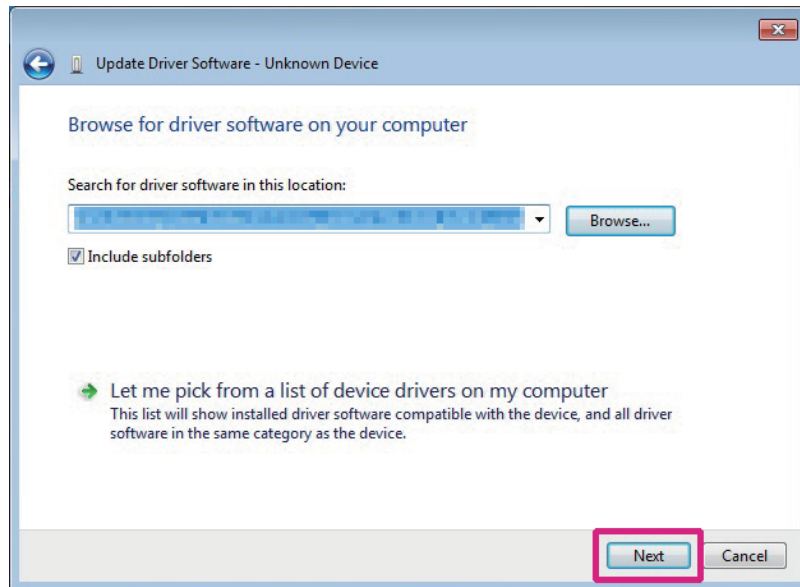


The “Browse Folders” screen appears.

10. Select the folder in which you saved the data in step 2 of “Downloading the YAESU Amateur Digital DSP Firmware Update Program” instructions on page 4, and then click the [OK] button.

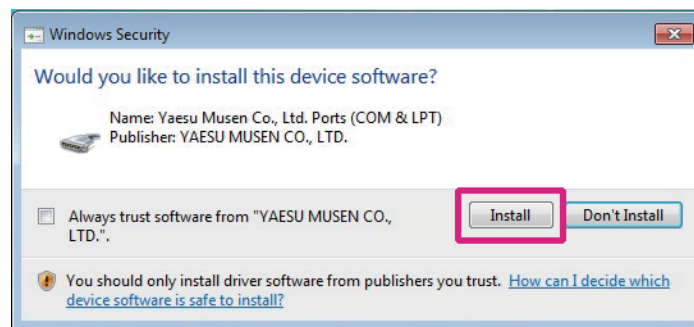
The “Browse Folders” screen closes and returns to the “Update Driver Software - Unknown Device” screen.

11. Click the [Next] button.



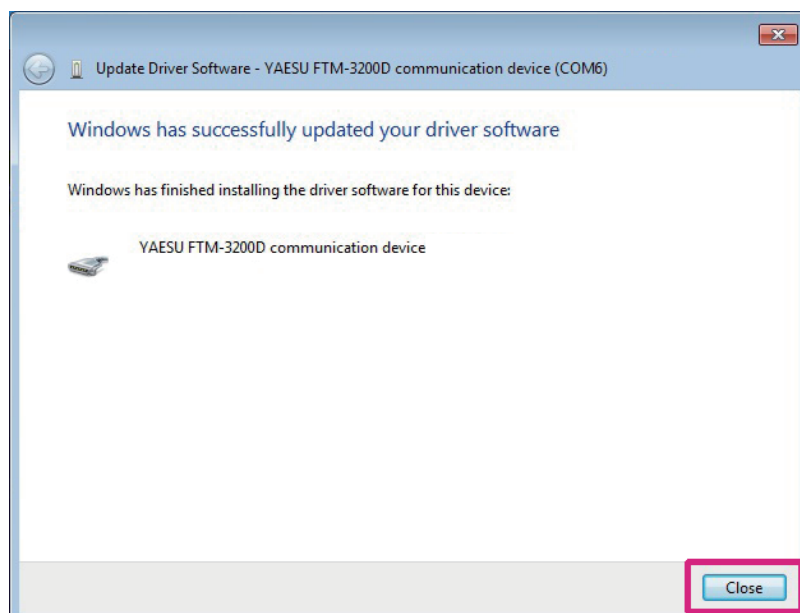
The “Windows Security” screen appears.

12. Click the [Install] button.



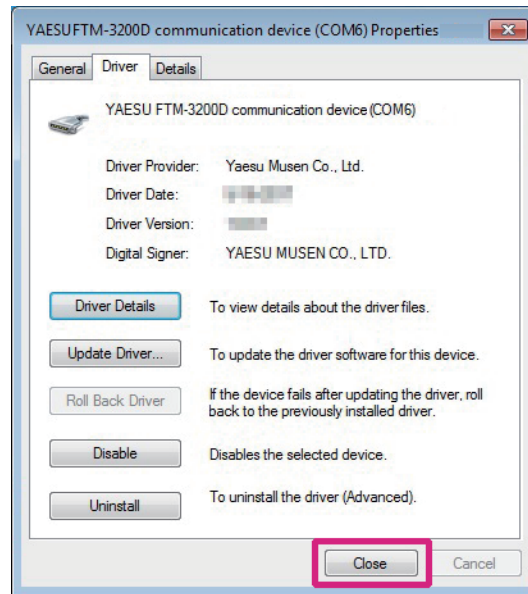
The device driver installation begins. When the installation completes, the message “Windows has successfully updated your driver software” will appear.

13. Click the [Close] button.



The “YAESU FTM-3200D communication device (COMXX) Properties” screen will appear.

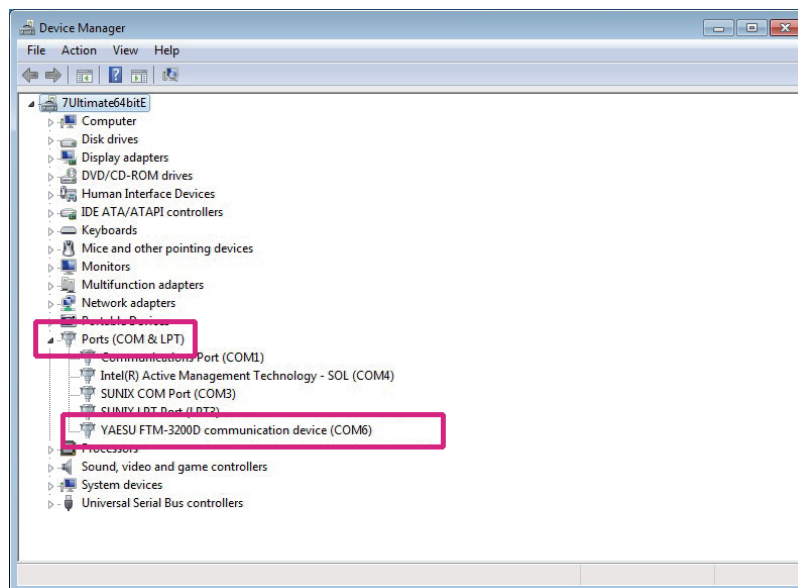
14. Click the [Close] button.



Returns to "Device Manager".

15. Check that "YAESU FTM-3200D communication device (COMXX)" appears under "Ports (COM & LPT)" and then close "Device Manager".

* "XX" refers to a port number. Since "COMXX" will be required when updating the DSP firmware, write down the port number.

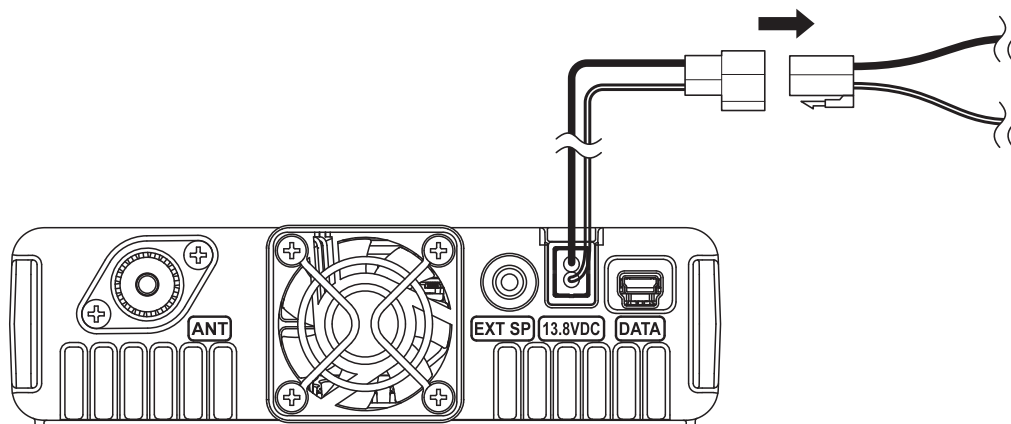


Updating the DSP Firmware

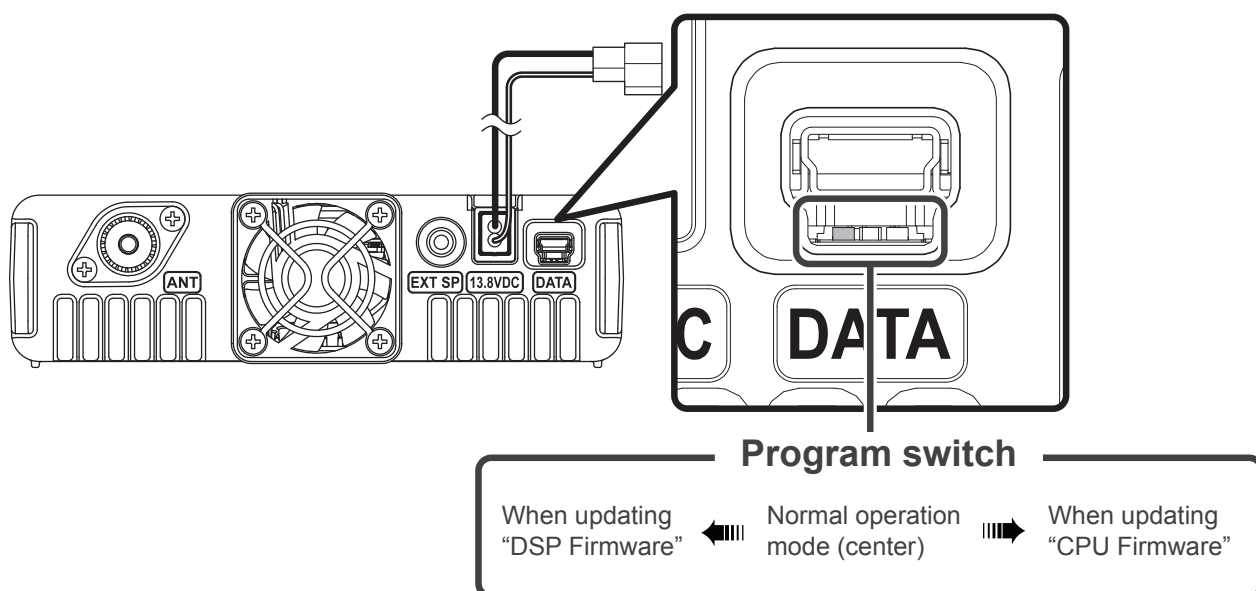
Execute the FTM-3200D DSP firmware update.

* * If you have just completed the device driver installation, proceed to step 6.

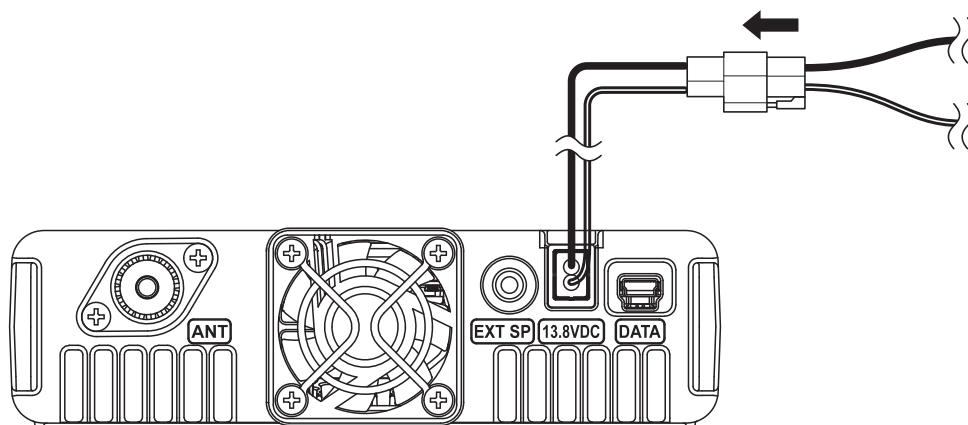
1. When the power of FTM-3200D is **ON**, disconnect the power cable.



2. Move the three-position program switch of the FTM-3200D leftward to the DSP mode.




3. Connect the FTM-3200D to the PC with the supplied USB cable.
4. Connect the power cable to the FTM-3200D main body and apply 13.8 V.



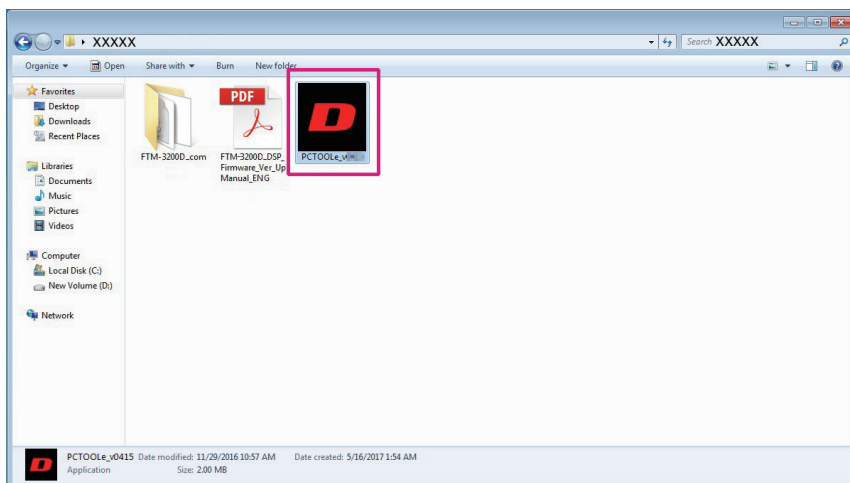
The power turns ON and you will hear a “beep-boop-bop” sound. On the FTM-3200D display, “**DSP UPDATE**” and “**PUSH D/A KEY**” will appear.



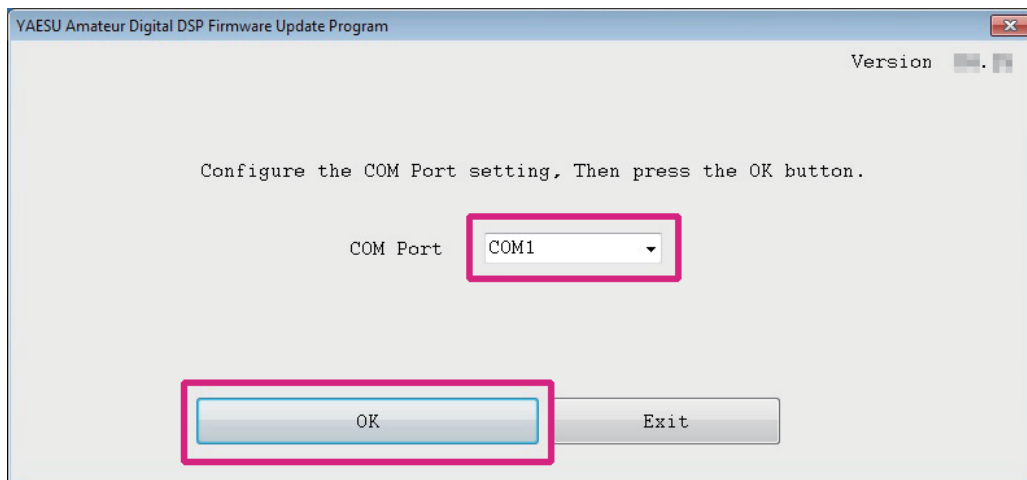
5. Press the .
" **LOADING**" will appear on the display.



6. Open the folder in which you saved the data in step 2 of “Downloading the YAESU Amateur Digital DSP Firmware Update Program”, as instructed on page 4; and then double-click “PCTOOLe_vXXXX.exe” (D icon).
* “XXXX” refers to a version number.

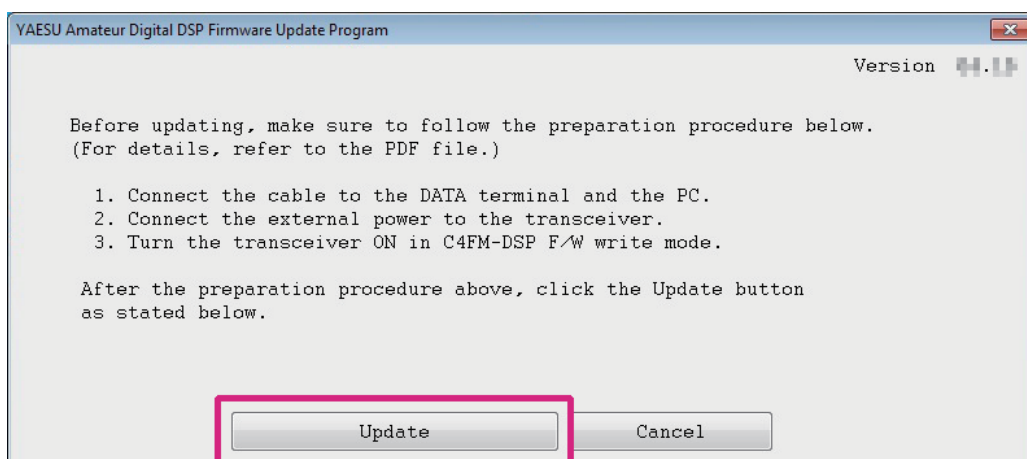


7. If the “Security Alert” screen appears, click the [Run] button.
The “YAESU Amateur Digital DSP Firmware Update Program” will open.
8. From the [COM Port] drop-down list, select the COM port, which you have checked in the “Device Manager” when you installed the device driver, and then click the [OK] button.



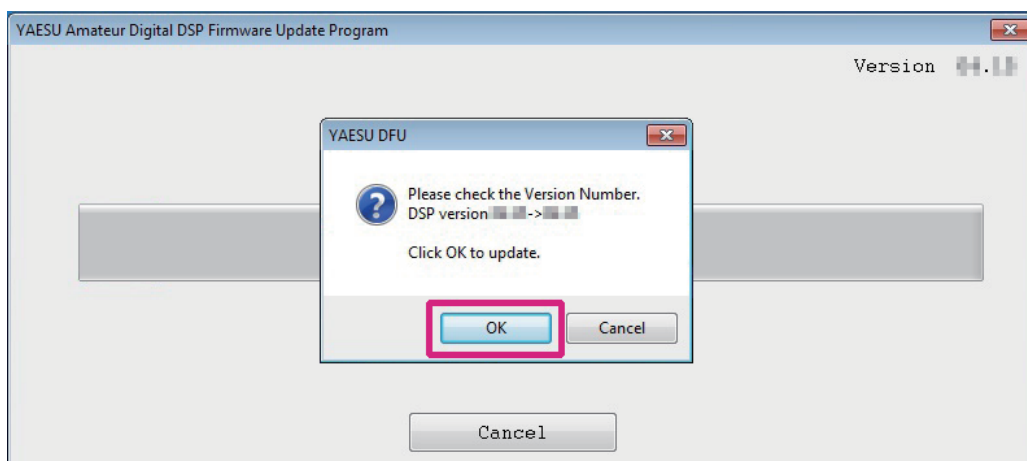
The update preparation procedure for the transceiver will appear.

9. Click the [Update] button.

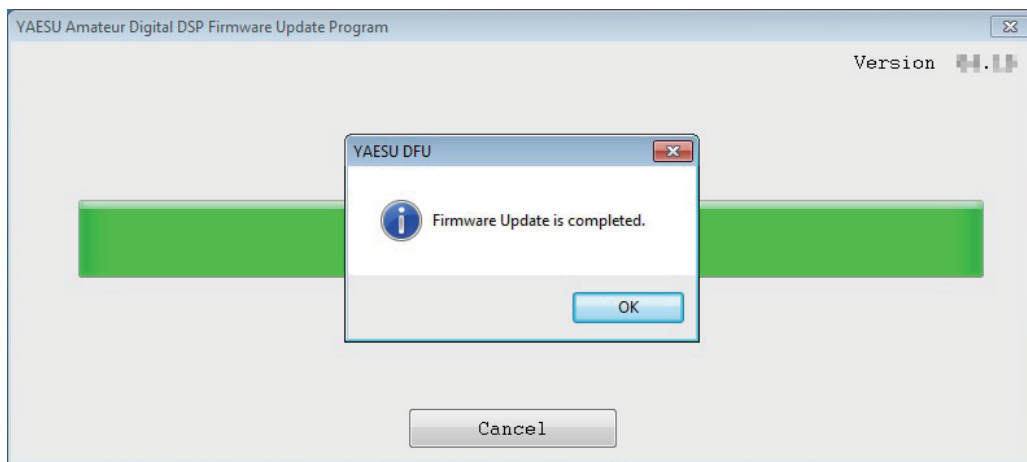


A confirmation message appears.

10. Read the message to check the version and then click the [OK] button.



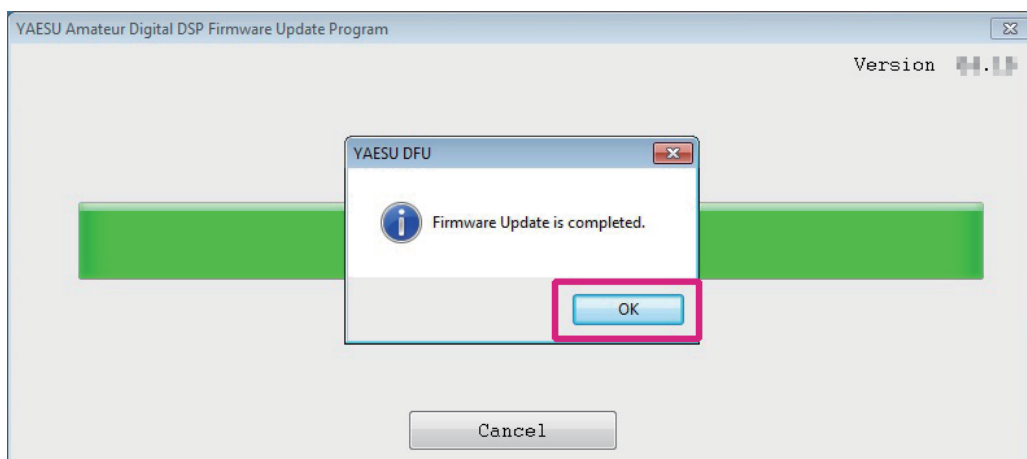
The DSP firmware transfer will begin, and the FTM-3200D DSP firmware update executes. When the DSP firmware update completes, a message appears.



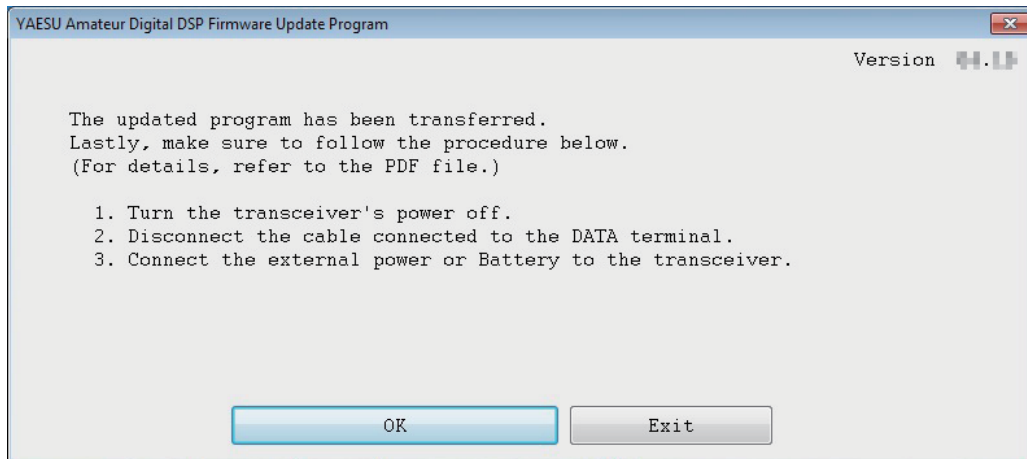
You will hear a “beep-boop-bop” sound from the FTM-3200D and “COMPLETE” appears on the display.




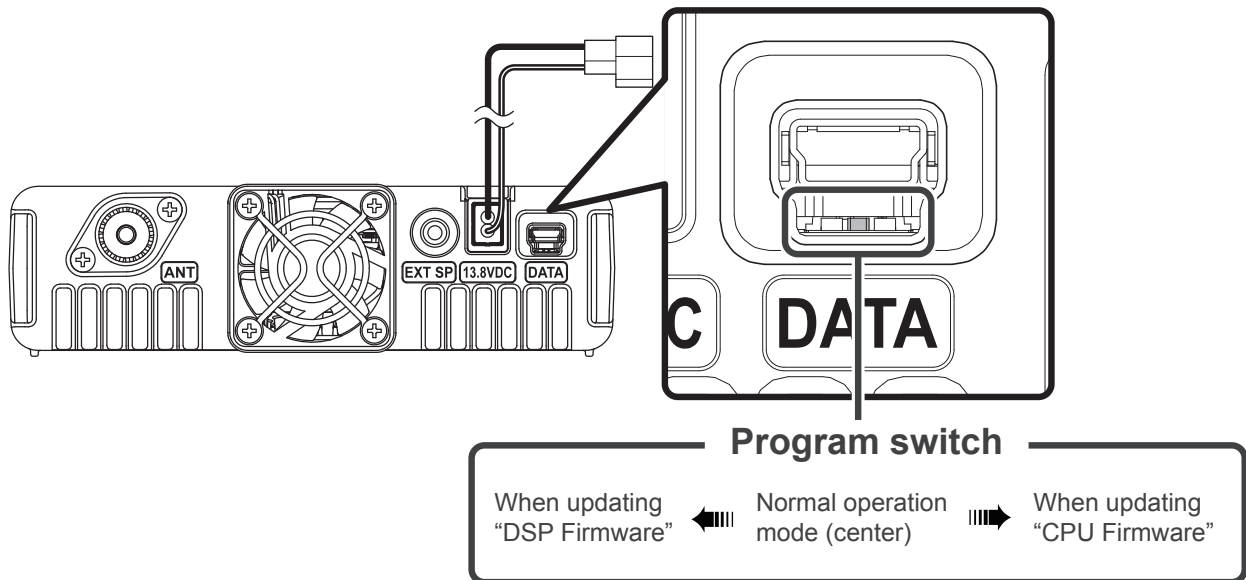
11. In the confirmation dialog box displayed on the computer screen, click the [OK] button.






The DSP firmware post-update procedure appears.

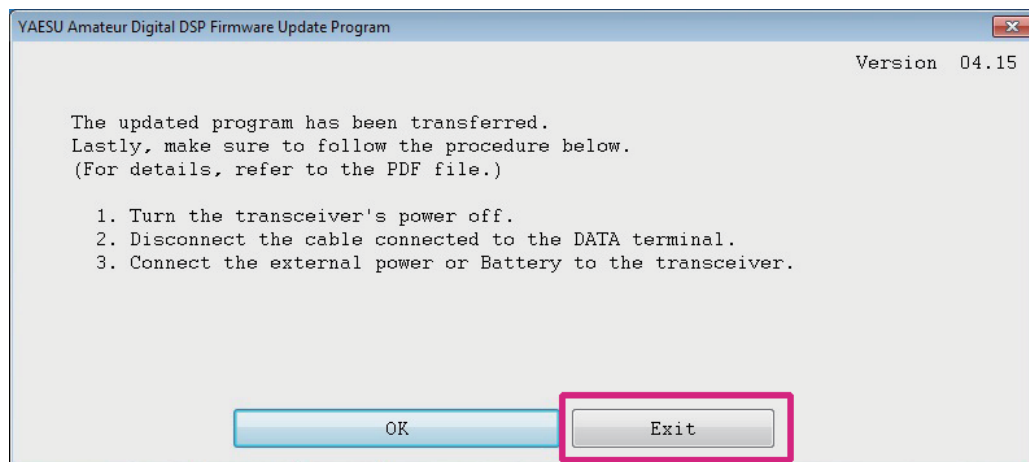


12. Press and hold  for over one second to turn the transceiver OFF.
13. Disconnect the supplied USB cable.
14. Move the three-position program switch of the FTM-3200D to the center (Normal Operation mode).



15. Press and hold the  for over one second to turn the power ON.
16. Check the firmware version. Press and hold the  for one second to enter the Setup menu.
17. Rotate the DIAL knob to select the [53 VER DISP].
18. Press the  and rotate the DIAL knob.
The software versions of "CPU" and "DSP" appear.

19. Check the firmware version and click the [Exit] button on the “YAESU Amateur Digital DSP Firmware Update Program” screen.



The YAESU Amateur Digital DSP Firmware Update Program finishes.

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The radio