YAESU
The radio

10/16/13

This procedure is used to update the flash programming for the DMU-9000.

The application update software V0422 or V0512 is only needed if you want to connect the FT1D, FTM-400D, or VX-8G to the Data Management Unit for the GPS capability.
Software Ver.03xx/04xx: Ver.4.21 → Ver.4.22
Software Ver.05xx: Ver.5.11 → Ver.5.12

Check which version DMU software you have on your unit.

While holding the three buttons [GEN]＋[50]＋[ENT] turn the radio on. The software version will be displayed in the lower right of the VFO-A window for 5 seconds then the radio will start up in normal operation. **Example**: DMU-9000 software version **0510**.

Software Version: **03xx, 04xx or 05xx**. If you already have software Ver. **0422** or **0512** it is not necessary to update the DMU-9000 again.

(**This image & version is for illustration only**)

- If the software version is not immediately displayed, your radio has not been updated to PEP9000; you must have the radio updated. Please contact Yaesu Amateur Tech Support.

Two types of computers are used in the DMU-9000. You must use the correct software for your computer.

- **If you have version 03xx or 04xx you must down load V4.22. If you have V0422 you have the latest software and do not need to update.**
- **If you have 05xx you must download 5.12. If you have V0512 you have the latest software and do not need to update.**

System (OS) software:

If you do not have the latest System software version 008-sys or 009-sys installed on the DMU-9000 the system software is available. After you confirm the type of System software it is very important that you only download the correct version from the Yaesu website.

Please download the **[DMU-9000_System software_V0.08-sys_8-17-09.zip] or [DMU-9000_System software_V0.09-sys_8-17-09.zip].**

Ver. 4.22 or 5.12 CPU implements improvements for the application software only.

- This update software is only needed if you want to connect the FT1D, FTM-400D, or VX-8G to the Data Management Unit for the GPS capability.

Connecting the data management unit DMU-9000 to the DATA terminal of FT1D, FTM-400D, or VX-8G, will permit setting and automatic update of the latitude and longitude, and also maintains the correct time by using the GPS data.

The below connection cables are required:
FT1DR/FT1DE: CT-169 (PC Cable)
FTM-400DR/FTM-400DE: CT-163 or CT-165 (Data Cable)
VX-8GR/FT-8GE: CT-143 (Data Cable)

Install the data file to PC

1. Download the DMU-9000 data file [**DMU-9000_Update.zip_10-16-13.zip**] from the following website:

   http://www.yaesu.com/indexVS.cfm?cmd=DisplayProducts&ProdCatID=102&encProdID=34B0B268F77981D7E72CF66FC1930880&DivisionID=65&isArchived=0

2. Save the DMU-9000 data file [**DMU-9000_ Update.zip_10-16-13.zip**] to the desktop on your computer.
3. Unzip and Extract the contents of [**DMU-9000_Update.zip_10-16-13.zip**] to the desktop of your computer. Save only the needed version 4.22 or 5.12 zip file. We recommend that the other version zip file be deleted.

The programmer and software are now stored on your computer desktop. The files designated in the last step above are ready to create two CF cards to use in updating your DMU-9000.

*You must have two separate, blank CF cards (32 MB or more) and have a CF card reader slot.

NOTE: Do not copy the folders to the CF cards, only the files (V0.xxx WinZip and md5sum). The **system** and the **application** files must be on separate CF cards. Do not save them to the same CF card. Be sure the CF card does not contain any previous data or partitions. You may need to make a single partition or reformat a previously used CF card.

Now you will transfer each of the needed files to separate CF cards. When you open the CF1 folder you will see the two files. Copy both **system** files and paste them to the CF card drive and create a CF card. Remove the CF1 card and insert another card. Now open the CF2 folder and copy or paste both **application** files to the CF card drive and create a CF card.

It is strongly recommended that you mark each CF card as CF1 and CF2 to prevent mixing up the files. The SYS file (CF1) must be installed before CF2 or the update will not work.

(**Below file images & versions are for illustration only**)

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If you have version 03xx or 04xx, you must create two cards; one with CF1 V008-sys and another with CF2 V4.22-app.	**If you have version 05xx, you must create two cards; one with CF1 V009-sys and another with CF2 V5.12-app.**
• Open the **CF1** folder and copy two files to **CF card 1**	• Open the **CF1** folder and copy two files to **CF card 1**
v008-sys WinZip File 25,697 KB v008-sys.md5sum MD5SUM File 1 KB	v009-sys WinZip File 25,698 KB v009-sys.md5sum MD5SUM File 1 KB
• Open the **CF2** folder and copy two files to **CF card 2**	• Open the **CF2** folder and copy two files to **CF card 2**
v420-app WinZip File 1,890 KB v420-app.md5sum MD5SUM File 1 KB	v510-app WinZip File 1,890 KB v510-app.md5sum MD5SUM File 1 KB

After creating CF1 and CF2 cards, follow the instructions below

*We recommend you save to the CF card, any personal settings you want to restore after the update. Please see the DMU-9000 Data Management Operation Manual for the procedure to save your settings to a CF card. Map and Time settings will be set to default.

*When you insert the CF card into the slot, please insure that the white side (ridge side) of the CF card is up. If the CF card is inserted incorrectly, the DMU-9000 may be damaged.
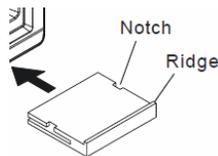
1. Turn off the front panel power switch.
2. Turn off the Main power switch on the rear panel and wait 1 minute.

Key Board
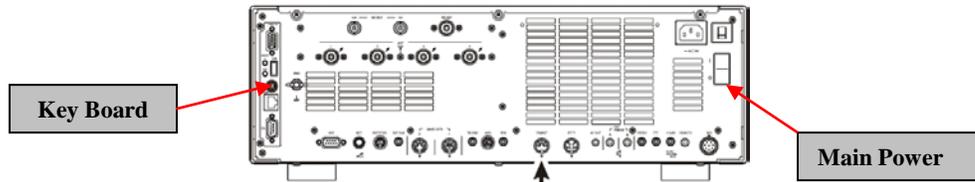
Main Power

3. Connect a keyboard, if one is not already connected.
4. Insert the system Compact Flash Card **CF1** (V0.xx-sys) into the DMU card slot.
5. Turn the rear panel Main power switch on.
6. Turn the front panel power switch on.
7. When the question appears, "CF has system update file, Are you sure to update? (y/n)>".
   Please answer **yes** (y + enter).
8. Wait a minute for the system to check the current version. The program level will be shown on the monitor display. Answer yes or no (y + enter, or n + enter) from the keyboard to each question of the install sequence. If the present version and the new version listed on the screen are identical numbers, you should answer **no**. (If you answer no, when the screen blanks, remove the **CF1** card, or the system will repeat the sequence.) If the new version is higher, answer **yes** (y + enter).
9. When programming is complete, the screen will be blank. Remove the **CF1** card and Turn the rear panel Main power switch off. Wait one minute.

Now you can insert CF2 (app) and Follow the same procedure instructions 1 thru 9:

10. When programming is complete, remove the Compact flash card **CF2** (V0.xx-app). Turn the rear panel Main power switch off. Wait one minute.
11. Turn on the FTdx9000 rear and front power switches, and confirm the DMU firmware is updated to V4.22 or V5.12 depending on the type of DMU-9000 computer. Refer to the top of page 1 to check which version DMU software you have on your unit.
12. You will need to re-enter your map location, clock and other settings if necessary. The updating process is now complete.

We hope this new software will increase your enjoyment of your DMU-9000. Thank you for choosing Yaesu radios. If you have any problems or questions please contact Yaesu, Amateur Tech Support amateurtech@yaesu.com.

Best regards,

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Engineering & Customer Service
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