

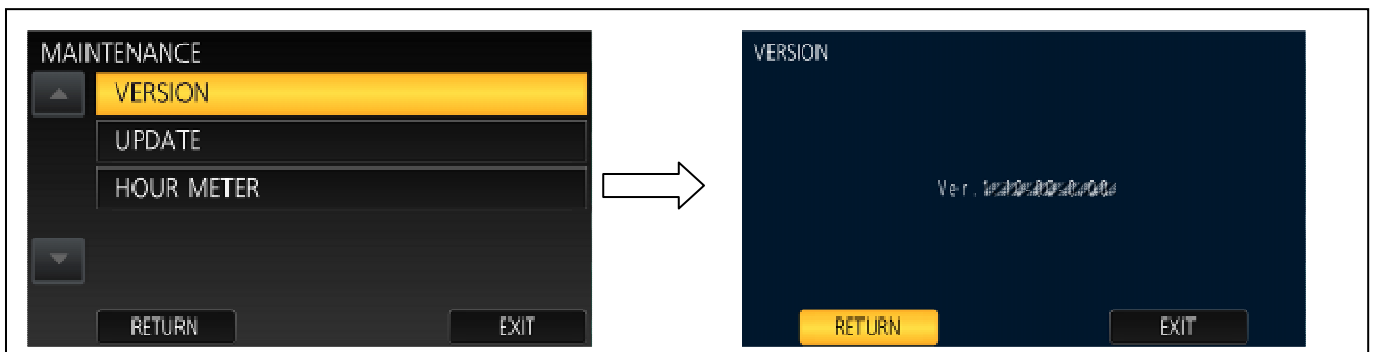
AG-UX180/UX170 Firmware update procedure

1. Version display method

1-1. The version of system in camera recorder

The version of system in this camera recorder is displayed in MAINTENANCE menu screen.

1. Turn the power on.
2. Press **MENU** button to display the setting menu.
3. Select the MAINTENANCE menu and touch "**MAINTENANCE**" to open the MAINTENANCE menu.
4. Select the item "**VERSION**" (Touch "**VERSION**") to display the version of system in this camera recorder.



1-2. Preparation

CAUTION : Before Updating Software

Do not power down or pull card while upgrading. If the program quits during loading, the data will be erased or part writing condition and the restart is not made.

< External Power >

Please use the AC adapter.

< Preparation for SD memory card >

1. Buffer memory size in SD memory card more than 4GB (SDXC, SDHC).
2. Use an SD Memory Card which has already been formatted for this unit.

NOTE: Be sure to format SD memory card on this unit.

< Copy the update file >

1. Accept the software usage agreement and download the update file data “**DV91000003*.zip**” for the AG-UX180/UX170 firmware from the following support web site.

<http://pro-av.panasonic.net/en/> Service and Support

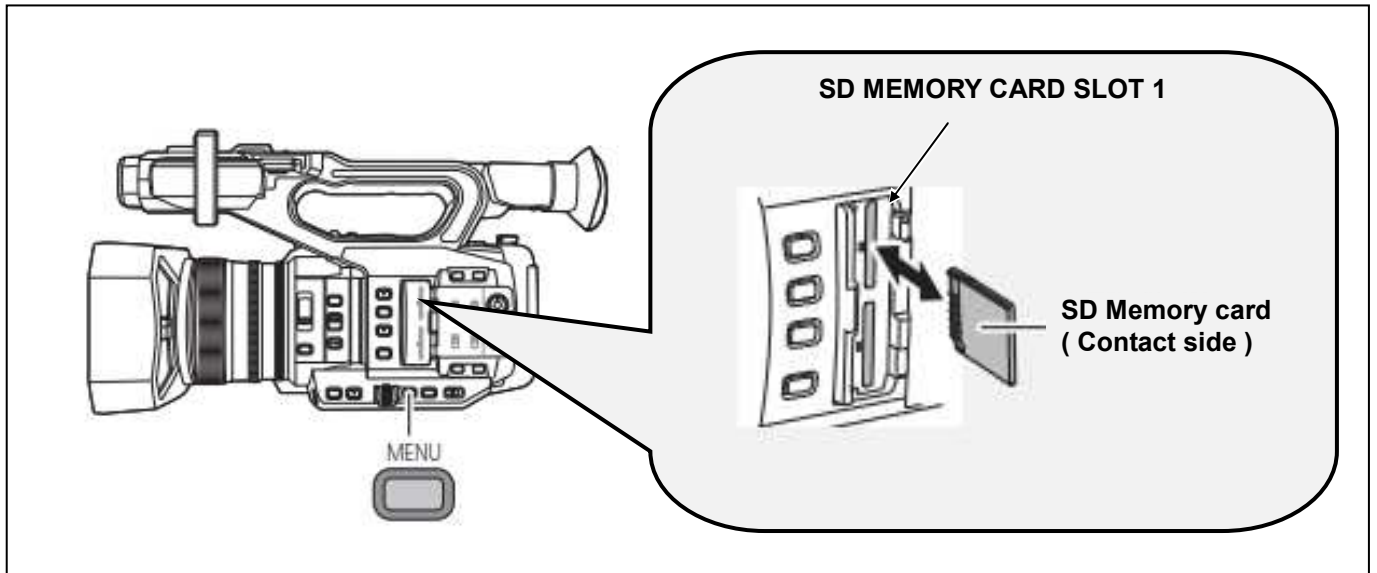
2. Copy the file “**DV91000003*.zip**” to hard disk of your PC and extract the file.
3. Insert the formatted SD memory card into the PC’s card slot. Then copy the extracted update file “**UPDATE.HDC**” to the root directory(*1) of the card.

For example, if the SD Card folder is on D \drive, the file’s location will be described as D \UPDATE.HDC.

(*1): Root directory = top-level directory of the file structure.

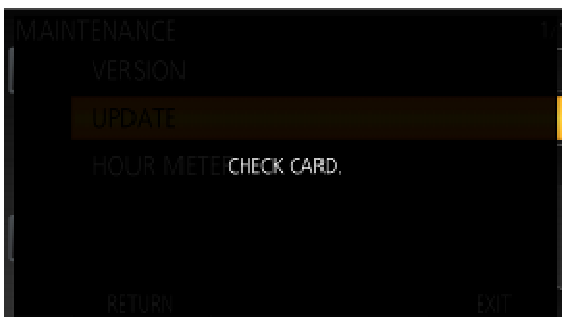
2. Update procedure

1. Turn the power on. Set the **MODE SW** to **RECORDING** side.
2. Insert the SD memory card into the SD memory card slot 1.
3. Press the **MENU** button to display the setting menu.

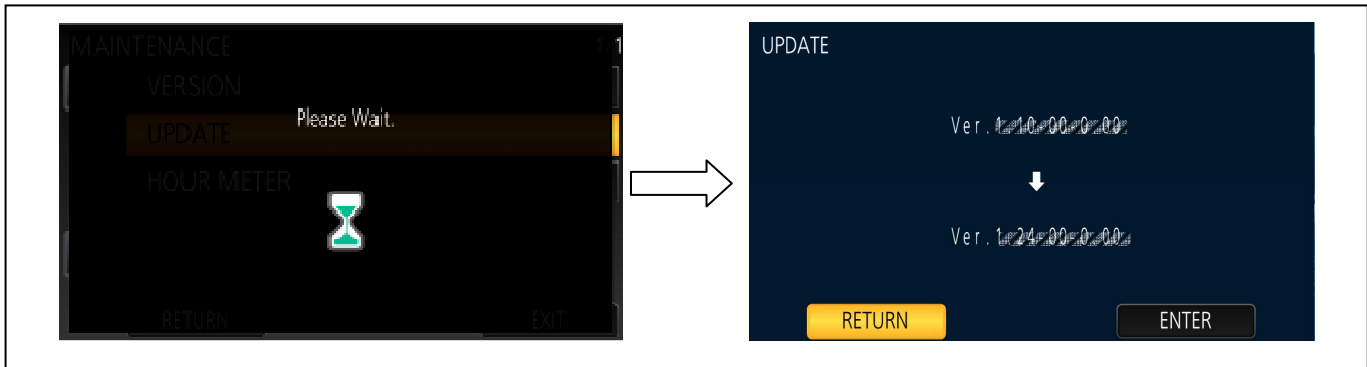


4. Select the item **"UPDATE"** on the MAINTENANCE menu. (Touch **"UPDATE"**.)

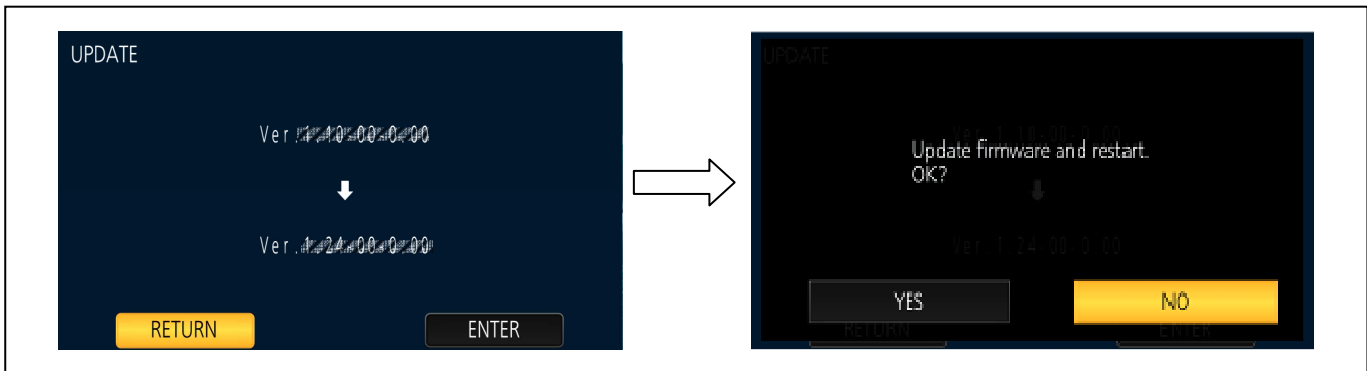
NOTE: When the update file is not recognized on SD memory card etc., the message **"CHECK CARD."** is displayed as follows. Please confirm whether the update file is correctly written on the SD memory card.



5. It takes a few seconds to check the file. While checking it, the message **“Please wait.”** is displayed. If the update can be executed, the versions of the camera recorder and the update file on the SD card are displayed.



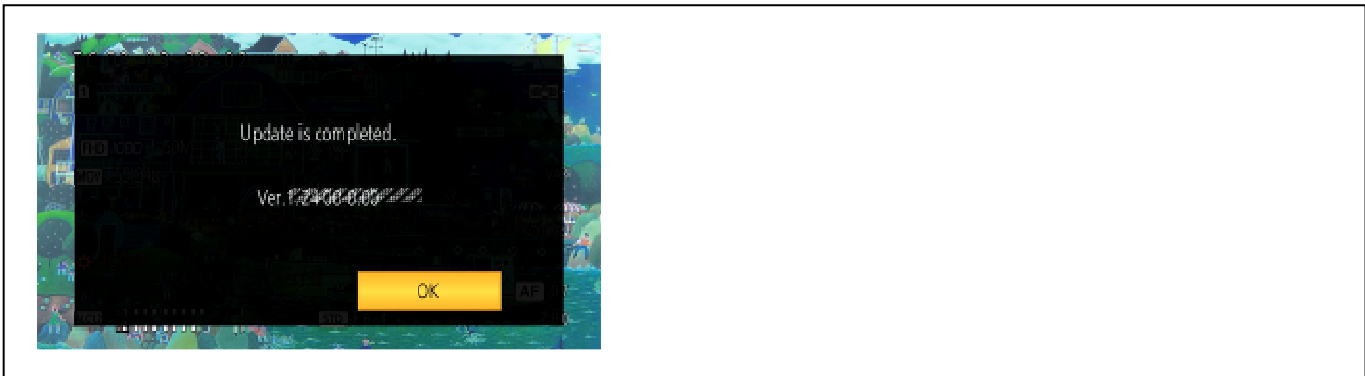
6. Select the **“ENTER”** button. (Touch the **“ENTER”** button.)
 7. The update confirmation screen is displayed. When **“YES”** is selected, the update process will start. (Touch the **“YES”** button.) When **“NO”** is selected, the screen will return to the OTHER FUNCTION menu screen.



8. The progress bar appears in LCD screen when shifting to the update processing.

◆ Software update takes approx. 1 to 2min. Do not power down while updating.

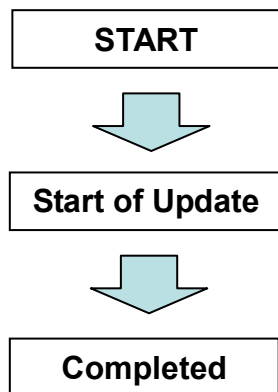
9. When the update is completed, the power automatically turns OFF / ON and the message **“Update is completed.”** is displayed. After the power is ON again, **Status indicator is ON.**
10. Select the **“OK”** button. (Touch the **“OK”** button.) The normal **“Recording”** mode screen is displayed.



< How to recover from irregular situations while updating >

Solutions are introduced against both Card Plug-Out and Power Interruption troubles to execute the update again.

Process	Card Plug-Out	Power Interruption
Data Readout from SD Card	The process of Update is stopped.	The camera recorder starts up normally. Restart from selection of “UPDATE”
Updating (Update of Flash ROM Data)	Plug-Out is ignored. Update is continued. (because the update file data is already transferred to the camera recorder)	At the power-on, the camera recorder starts up in UPDATE mode. Update is continued.



3. Confirm the version number is renewed

Follow the procedure of **“Step1”**, confirm the version number is renewed.
 If it succeeded to update, the update file in the SD memory card is not need anymore.