

AG-UMR20 (Camera Head AG-UCK20)

Firmware update procedure

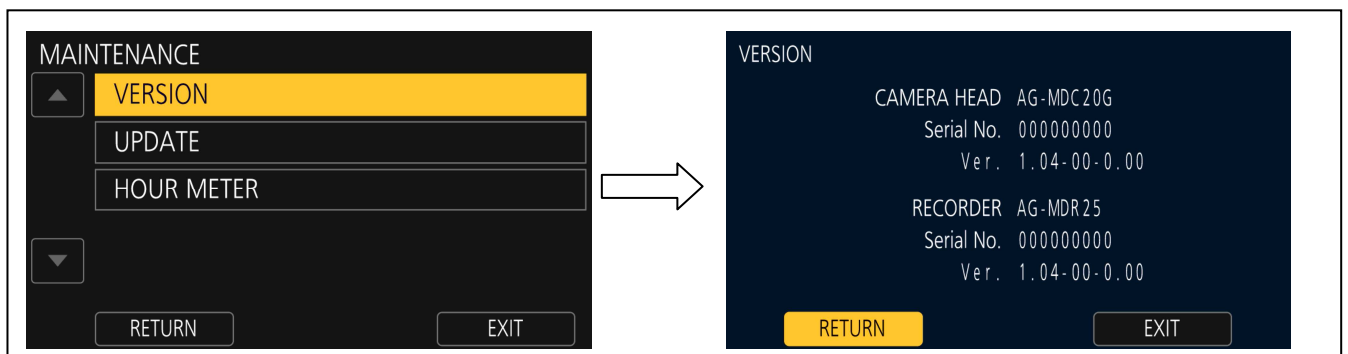
The Camera Head needs firmware upgrade to the latest version as well as the Recorder. Connect the Camera Head to the Recorder for upgrading them.

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. (Press the MENU button only. Do not press the USER button simultaneously.)
2. Press **MENU** button to display the setting menu.
3. Select "**MAINTENANCE**" to open the MAINTENANCE menu.
4. Select the item "**VERSION**", and press SET button to display the version of system in these recorder and camera head.



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 >

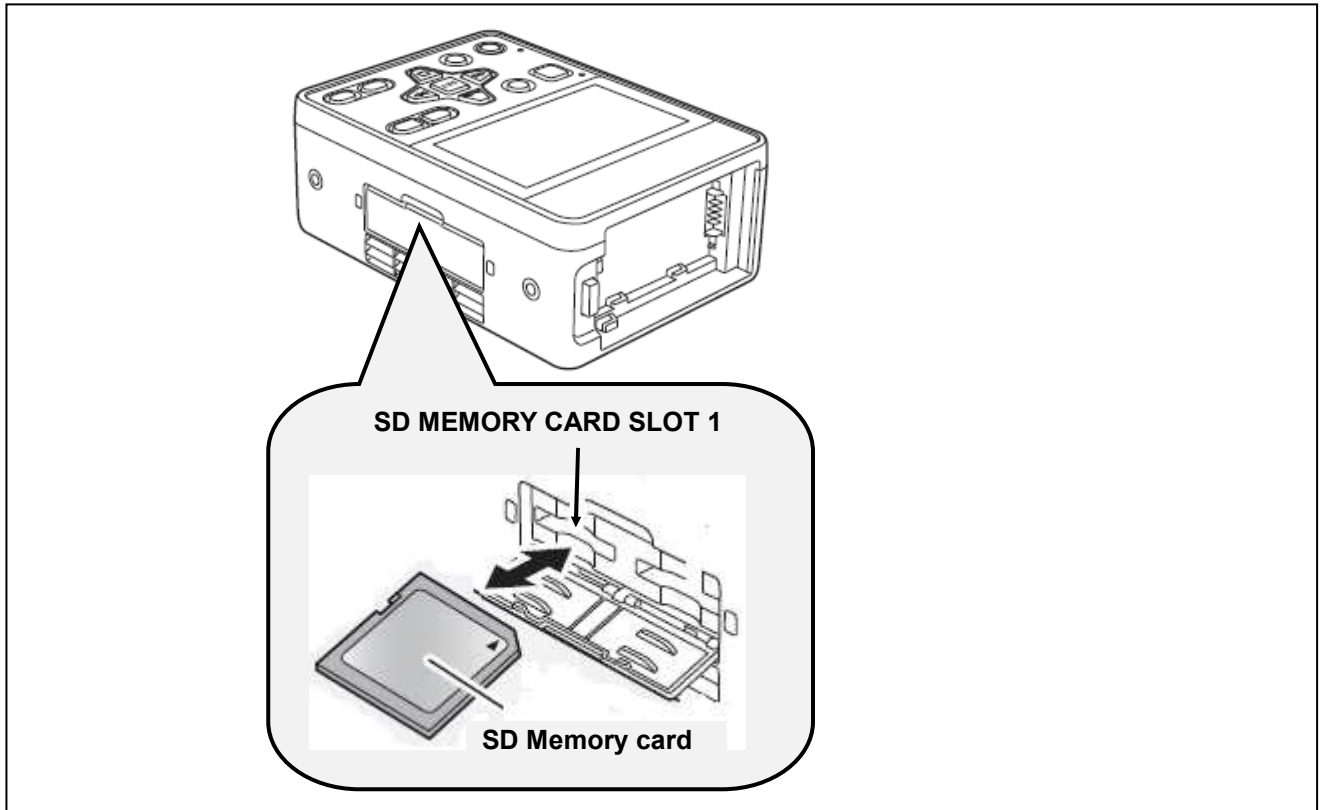
1. Accept the software usage agreement and download the update file data “**DV9100007_*.zip**” for the AG-UMR20 firmware from the following support web site.
[http://pro-av.panasonic.net/en/ Service and Support](http://pro-av.panasonic.net/en/Service_and_Support)
2. Copy the file “**DV9100007_*.zip**” 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 files “**UPDATE.HDC and UPDATE2.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 and UPDATE2.HDC.

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

The “UPDATE.HDC” is firmware for recorder and the “UPDATE2.HDC” is one for camera head.

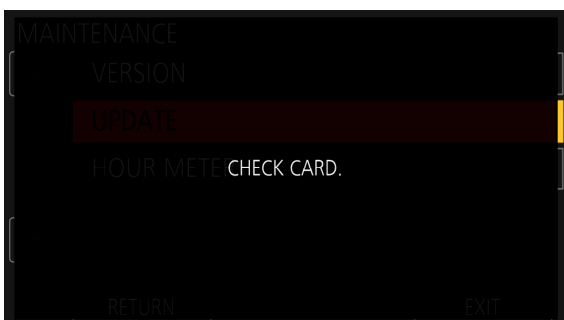
2. Update procedure

1. Turn the power on. (Press the MENU button only. Do not press the USER button simultaneously.)
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 and select "**MAINTENANCE**" menu.

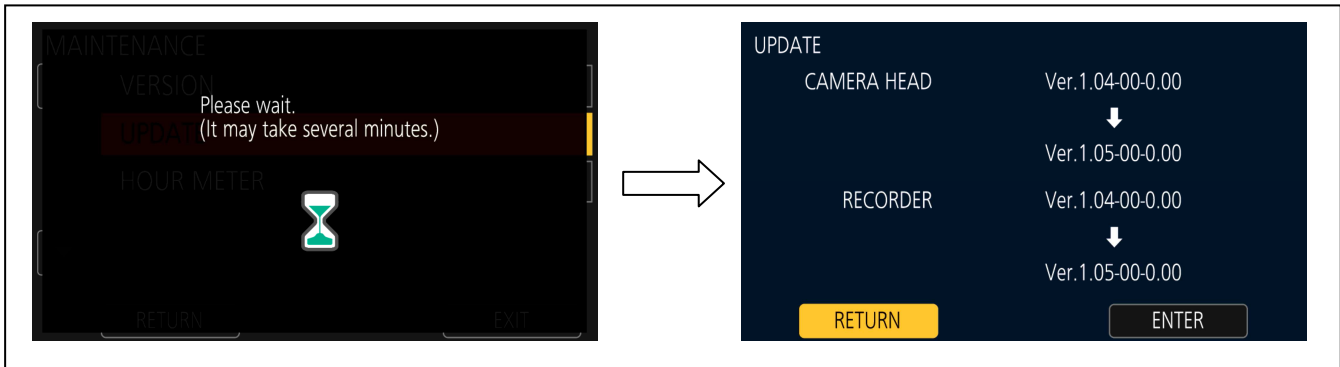


4. Select the item "**UPDATE**" on the MAINTENANCE menu.

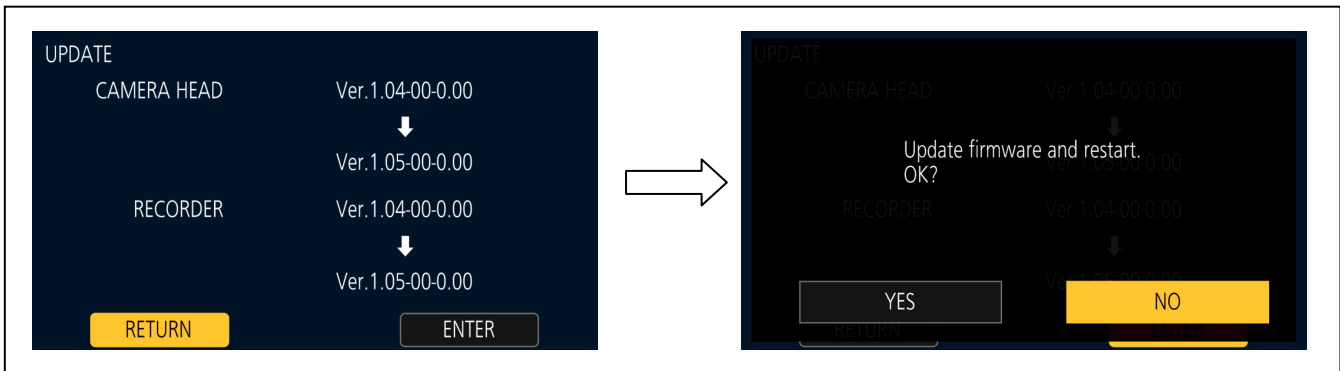
NOTE: When the update file is not recognized on SD memory card etc., the message "**CHECK CARD.**" is displayed as follows. Please confirm whether the update file is correctly written on the SD memory card.



- It will start to check the file. While checking it, the message **“Please wait.”** is displayed. If the update can be executed, the versions of the recorder with camera head and the update files on the SD card are displayed. (If the camera head is not connected, the **“RECORDER”** is only displayed.)



- Select the **“ENTER”** button.
- The update confirmation screen is displayed. When **“YES”** is selected, the update process will start. When **“NO”** is selected, the screen will return to the MAINTENANCE menu screen.



- The progress bar appears in LCD screen when shifting to the update processing. After the camera head, the recorder will be updated.

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

When the update is completed, the power automatically turns OFF / ON and the message **“Update is completed.”** is displayed.

9. Select the **“OK”** button. The normal **“RECORDING”** mode screen is displayed.



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.