

# Canon Digital Video Camcorder Firmware Update Procedure

## iVIX HF R42

## VIXIA HF R40/HF R42

## LEGRIA HF R46/HF R47/HF R48

Firmware is the basic software that controls the camcorder. Using the firmware, the camcorder can perform many operations, such as shooting or processing the image. The following is an explanation of how to update your camcorder to the new firmware.

Make sure you have read the precautions and procedures below carefully before updating the firmware.

### **IMPORTANT:** Observe the following precautions when updating the firmware

- When updating the firmware, make sure to use a battery pack and power the camcorder using the supplied compact power adapter.
- Before updating the firmware, initialize the SD card in the camcorder. When you initialize the SD card, any data written on it will be erased. Therefore please be sure to save a copy of any important data on your computer or some other media prior to initializing it.
- While updating the firmware, make absolutely sure not to turn the camcorder off or to operate its buttons or controls. Doing so could cause camcorder malfunctions.
- After the firmware update is completed, all of the camcorder settings are reset to their default values.
- After the firmware update is completed, it is not possible to revert back to a previous version.
- If the firmware update does not finish normally, or if the camcorder no longer starts normally, please contact a Canon Service Center.

### **Step 1: Preparations**

The following items are required for this firmware update. Please have these items ready in advance.

1.	Camcorder	Model covered by the update
2.	Computer	OS: Computer running either Windows or Mac OS <sup>(*1)</sup>
3.	Memory card	A 32 MB or higher-capacity SD memory card or an SDHC/SDXC memory card (both commercially available)
4.	Memory card reader/writer <sup>(*2)</sup>	SD card reader/writer (commercially available) or SD card slot built into the computer
5.	Battery pack	The battery pack (BP-718) supplied with the camcorder
6.	Compact power adapter	The compact power adapter (CA-110/CA-110E)

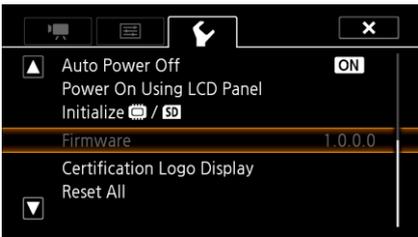
7. Firmware update file	The file that can be downloaded from the Web site
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(\*1) OS requirements: Windows® 8.1, Windows® 8, Windows® 7 SP1, or Mac OS X (10.7-10.9)

(\*2) If using an SDHC/SDXC memory card, the memory card reader or memory card slot on the computer must support SDHC/SDXC memory cards.

## Step 2: Check the firmware version on your camcorder

1. Power the camcorder using the compact power adapter and attach the battery pack to the camcorder.
  - (1) Connect the compact power adapter into the power outlet.
  - (2) Connect the compact power adapter to the camcorder's DC IN terminal.
  - (3) Attach the battery pack.
2. Open the LCD panel to turn on the camcorder.
3. Touch the [  ] button to display the Home menu.
4. Drag your finger left/right to touch the [  Other Settings ] button.
5. Touch the [  ] tab to display the System Setup menu.
6. Drag your finger up/down to display the version number for [ **Firmware** ].



If the firmware is version 1.0.2.0, this update is not necessary. If it is version 1.0.1.0 or earlier, continue with the procedure below to update.

7. Close the LCD panel to turn off the camcorder.

## Step 3: Prepare an SD card for the firmware update

First, insert an SD card into the camcorder and initialize it. This section will explain how to use your computer and an SD card reader/writer (or an SD card slot built into the computer) to copy the new firmware to the initialized SD card.

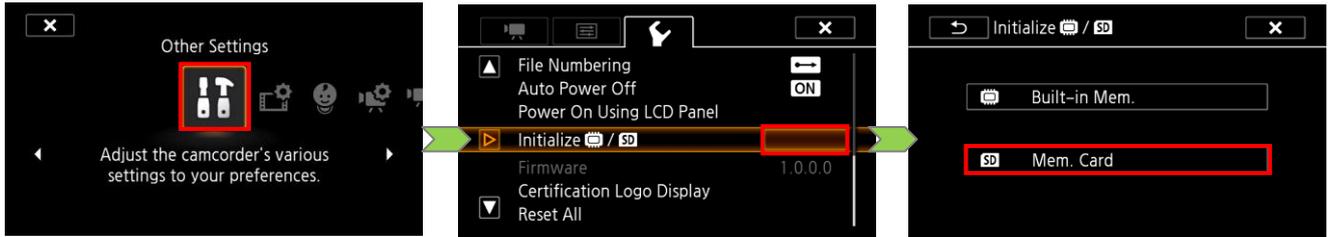
**Caution**

**When you initialize the SD card, all of the data saved on it will be erased, so make sure to save any important data on your computer or somewhere else before initializing the SD card. If you perform the firmware update with data remaining on the SD card, it could cause the camcorder to malfunction.**

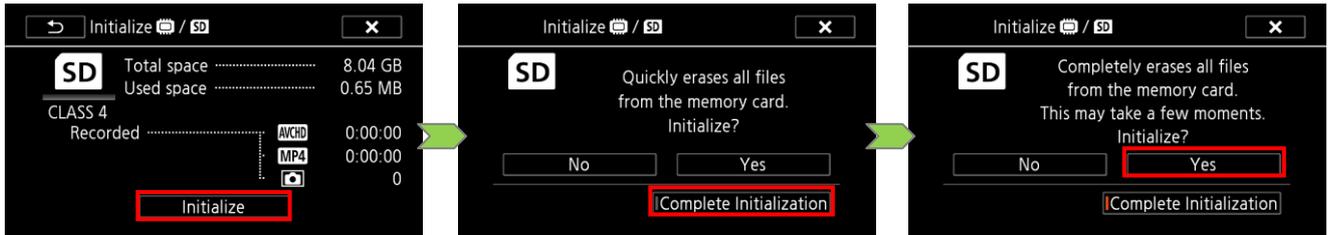
### Insert an SD card into the camcorder and initialize it.

1. Open the LCD panel to turn on the camcorder.
2. Insert the SD card in the memory card slot of the camcorder.
3. Close the memory card slot cover.

4. Touch the [  ] button to display the Home screen.
5. Touch [  Other Settings ] > [  ] > [ Initialize  /  ] > [  Mem. Card ].



6. Touch [ Initialize ] > [ Complete Initialization ] > [ Yes ] to initialize the memory card.



7. Turn off the camcorder by pressing the ON/OFF button, and then remove the SD card from the camcorder.

**Next you will use a computer to copy the firmware to the SD card that was completely initialized in the camcorder.**

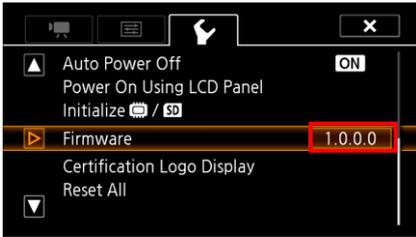
1. Insert the completely initialized SD card into the SD card reader/writer (or the SD card slot on the computer).
2. Copy the firmware update data [**VJC2.FIM**] to the root directory of the SD card.
  - If the firmware update file is placed in a subfolder of the SD card, the camcorder will not recognize it.
3. Remove the SD card from the card reader/writer.
  - When removing the SD card, be sure to do so as described in the documentation for the computer or the card reader/writer.

## Step 4: Update the camcorder to the new firmware

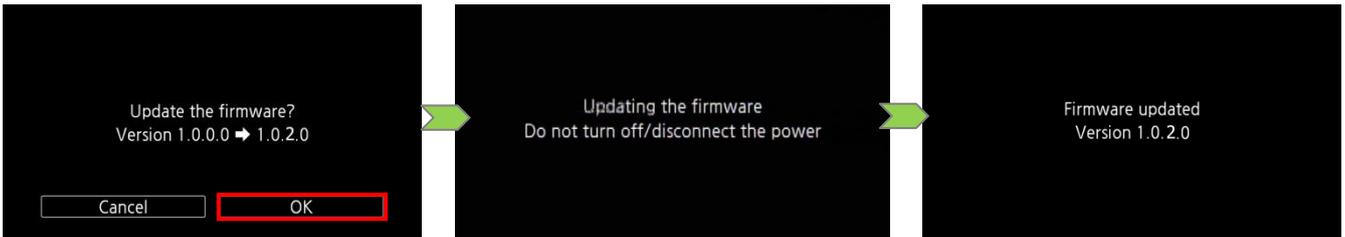
This section explains the next camcorder procedure.

1. Power the camcorder using the compact power adapter and attach the battery pack to the camcorder. (see Step 2-1).
2. Open the LCD panel to turn on the camcorder.
3. Insert the SD card to which [**VJC2.FIM**] was copied in Step 3 into the camcorder.
4. Close the memory card slot cover.
5. Touch the [  ] button to display the Home menu.
6. Touch [  Other Settings ] > [  ] to display the System Setup menu.

7. Drag your finger up/down to display [Firmware] and then touch the version number.
  - The firmware update confirmation screen will appear.



8. Touch [OK] to start the firmware update.
  - After a short while, the firmware will be overwritten with the new version and then the camcorder will automatically restart.
  - After the camcorder restarts, a screen that shows the new firmware version will appear.



**Caution**

**The firmware update takes approximately 10 minutes to complete. During this time, please do not turn off the camcorder or operate any of its controls. Doing so could cause camcorder malfunctions.**

9. All of the settings will be reset, and the [Date/Time] screen will appear. Set the date and time.
10. Perform the steps in "Step 2: Check the firmware version on your camcorder" to confirm that the firmware version has changed.
11. Turn off the camcorder, and then remove the SD card.

**The firmware update is complete.**

**Caution**

**After the firmware update is completed, make sure to follow steps 1 to 6 of "Step 3: Prepare an SD card for the firmware update" to completely initialize the SD card that was used to copy the firmware before using the SD card. Also, make sure to delete the firmware you downloaded from your computer.**