

Canon HD Camcorder Firmware Update Procedure

XA10



Firmware is software installed to control the equipment. 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.

Please note that, the following items are required to perform this update, so please have them ready in advance.

- 1) Computer
- 2) Commercially available SD memory card (32 MB or more) or SDHC memory card
- 3) Commercially available SD card reader/writer or SD card slot built into the computer

Customers who do not have the above items are advised to contact our customer support center.

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 our customer support center.

Step 1: Make Preparations

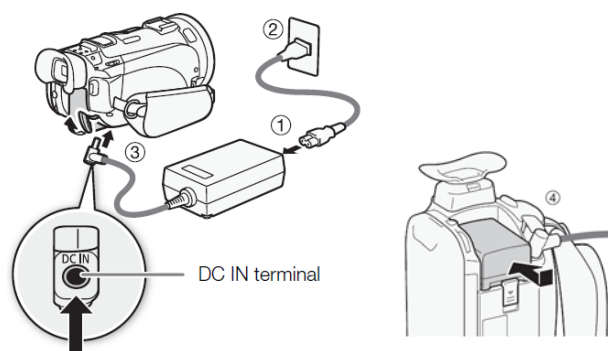
The following items are required for this firmware update.

1.	Camcorder	XA10
2.	Computer	OS: Computer running either Windows or Mac OS ^(*)
3.	Memory card	A 32 MB or higher-capacity SD memory card or an SDHC memory card (both commercially available)
4.	Memory card reader/writer	SD card reader/writer (commercially available) or SD card slot built into the computer
5.	Battery pack	The battery pack (BP-808) that comes with the camcorder
6.	Compact Power Adapter	The compact power adapter (CA-570)

^(*) OS Requirements: Windows® 8, Windows® 7 SP1, Windows Vista™ SP2, Windows® XP SP3, or Mac OS X (10.6-10.8)

Step 2: Check the firmware version on your camcorder

1. Insert the compact power adapter and connect the battery pack to the camcorder.



- (1) Insert the power cord into the compact power adapter.
- (2) Connect the plug it into a power outlet.
- (3) Connect the cable to the DC-IN terminal.
- (4) Insert the battery pack.

2. Turn the POWER button ON to start the camcorder.
3. Press the (camera/play) button and set the camcorder to playback mode.
4. Touch > [A tab] > Photos to open the Photos index screen.
5. Touch **MENU**.
6. Touch and then drag your finger up/down to display the version number for **[Firmware]**.



Firmware Version 1.0.1.0 is for camcorders with Firmware Version 1.0.0.0. If the camcorder's firmware is already Version 1.0.1.0, it is not necessary to update the firmware.

7. Turn the POWER button OFF to power off the camcorder.


Step 3: Prepare an SD card for the firmware update

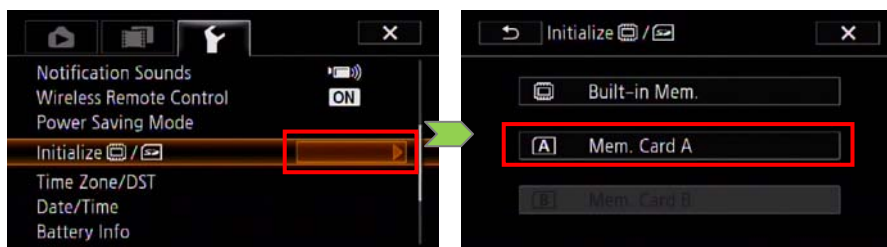
First, insert an SD card into the camcorder and initialize it. This section will explain how to use your computer and an SD card reader/writer (or an SD card slot built into the computer) to copy the new firmware to the initialized SD card.

Caution

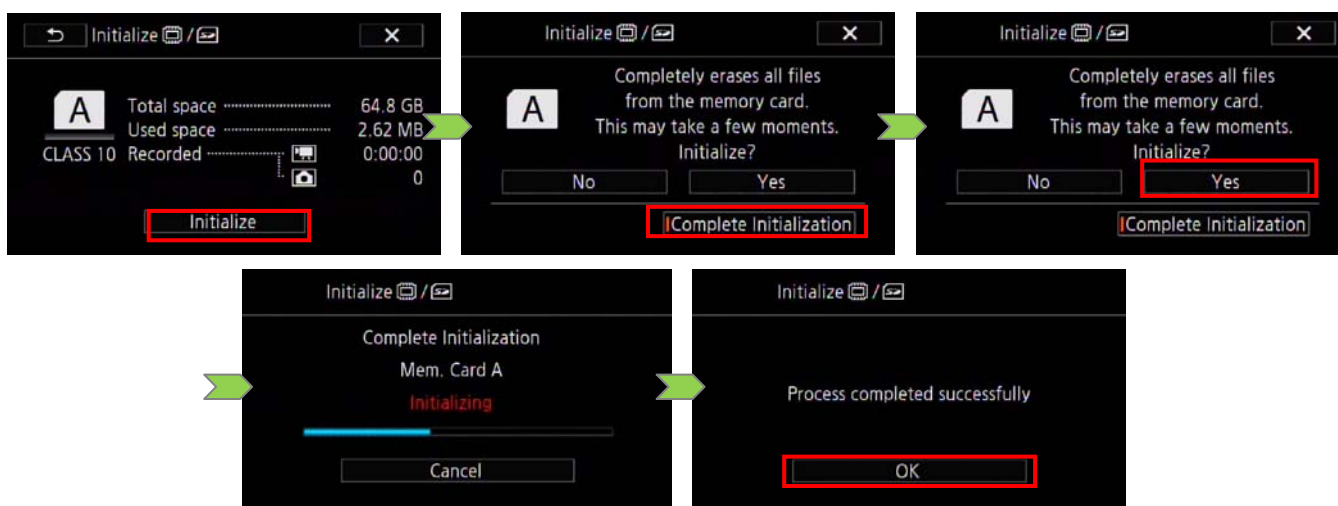
When you initialize the SD card, all of the data saved on it will be erased, so make sure to save any important data on your computer or somewhere else before initializing the SD card. If you perform the firmware update with data remaining on the SD card, it could cause the camcorder to malfunction.

Insert an SD card into the camcorder and initialize it.

1. Insert the SD card into the SD card slot A on the camcorder. The SD card slot A is the one closer to the lens.
2. Turn the POWER button ON to start the camcorder.
3. Touch **[MENU]** and then the **[Initialize]** option in the sub menu  to select **[Mem. Card A]**.



4. Touch the **[Initialize]** option. In the next screen, touch **[Complete Initialization]** and then **[Yes]** to start initialization.



5. Turn the POWER button OFF to power off the camcorder, and then remove the SD card from the camcorder.

Next you will use a computer to copy the firmware to an SD card that was completely initialized in the camcorder. Make sure to perform the procedure that corresponds to your computer's operating system (Windows or Mac OS).

For Windows

1. Insert the completely initialized SD card into an SD card reader/writer (or an SD card slot built into the computer).

2. If you click on the Computer icon (or My Computer in Windows XP), a removable disk icon labeled CANON appears.
3. Drag the firmware update data **VHE1.FIM** from the **xa10-v1010-win** folder created previously to the CANON icon.

Caution

Please be sure to copy the firmware to the root directory of the SD card.

4. After copying the data, double-click the CANON icon. If you see the file **VHE1.FIM**, the copying process is completed.

For Mac OS

1. Insert the completely initialized SD card into an SD card reader/writer (or an SD card slot built into the computer), and an icon labeled CANON will appear on the computer's desktop.
2. Drag the firmware update data **VHE1.FIM** from the **xa10-v1010-mac** icon created previously to the CANON icon on the desktop.


Caution

Please be sure to copy the firmware to the root directory of the SD card.

3. After copying the data, double-click the CANON icon. If you see the file **VHE1.FIM**, the copying process is completed.

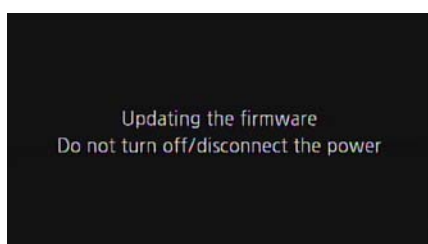
Step 4: Update the camcorder to the new firmware

This section explains how to operate the camcorder.

1. Connect the compact power adapter to the camcorder and then attach the battery pack (see Step 2-1).
2. Insert the SD card that contains the firmware update data into the SD card slot A of the camcorder.
3. Turn the POWER button ON to start the camcorder.
4. In the Photo Playback mode screen, touch **MENU** and then touch the firmware version displayed under the [Firmware] option in the sub menu  .



5. The firmware update confirmation screen will appear. If you select [OK], the firmware update will start. After a short while, the firmware will be overwritten with the new version.



Caution

The firmware update takes approximately 4 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.

6. Upon completion of the update, the camcorder will automatically restart, and a screen that shows the new firmware version will appear.



7. All of the settings will be reset, and the [Date/Time] screen will appear. Set the date and time.
8. Perform the steps in **“Step 2: Check the firmware version on your camcorder”**, to confirm that the firmware version has changed.
9. 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 5 of **“Step 3: Prepare an SD card for the firmware update”** 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.