

Canon Digital Video Camcorder Firmware Update Procedure

iVIS mini/VIXIA mini/LEGRIA mini

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

- Please use a fully charged battery pack or dedicated Compact Power Adapter while performing the firmware update.
- Before updating the firmware, initialize the microSD (or microSDHC, microSDXC) memory card in the camcorder. When you initialize the microSD memory card, any data written on it will be erased, so please be sure to save a copy of any important data on your computer or somewhere other than the card, 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.
- During the firmware update, please do not open the battery compartment cover or the memory card slot cover.
- 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 camera repair center.

Step 1: Make Preparations

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

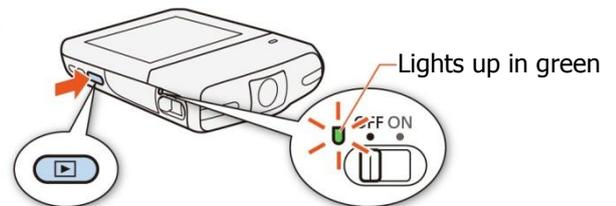
1.	Camcorder	iVIS mini/VIXIA mini/LEGRIA mini
2.	Computer	OS: Computer running either Windows or Mac OS X ^(*1)
3.	Memory Card	A 32 MB or higher-capacity microSD memory card or an microSDHC/microSDXC memory card (all commercially available)
4.	Memory card reader ^(*2)	A microSD memory card reader/writer (commercially available) or a computer with an microSD memory card slot
5.	Battery Pack	The battery pack (NB-4L) that comes with the camcorder or dedicated Compact Power Adapter (CA-110/CA-110E)
6.	Firmware update file	The file that can be downloaded from the Web site.

(*1) OS Requirements: Windows® 8.1, Windows® 8, Windows® 7 SP1 or Mac OS X (10.7-10.9)

(*2) If using a microSDHC/microSDXC memory card, you must use it with a compatible card reader/writer or card slot. Also, if using a card adaptor, a compatible SD card reader/writer or card slot is required.

Step 2: Check the firmware version on your camcorder

1. Insert the battery pack into the camcorder.
2. Press the  button to turn on the camcorder in Playback mode.
- If the camcorder is in SP-V1 mode, please cancel this mode.
3. Touch the [] button to display the Home screen.
4. Drag your finger right or left to touch the [] 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 1.0.1.0, this update is not necessary. If it is version 1.0.0.0, continue with the procedure below to update.

7. Press the  button to turn off the camcorder.

Step 3: Prepare a microSD memory card for the firmware update

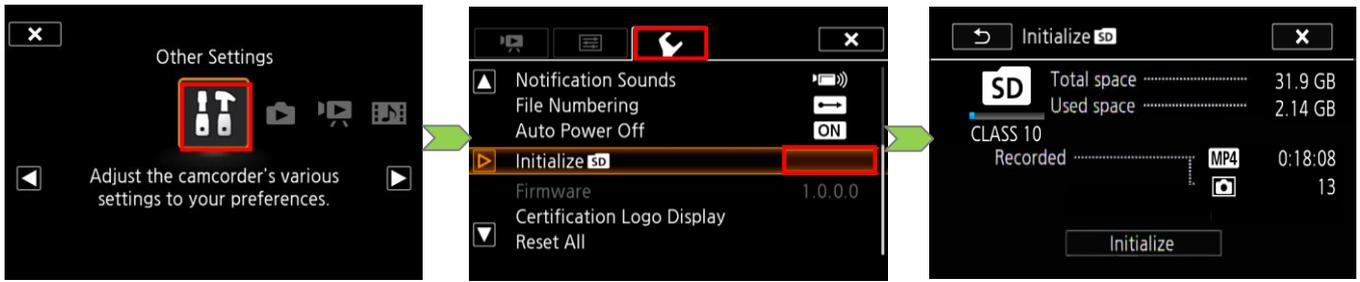
First, insert a microSD memory card into the camcorder and initialize it. This section will explain how to use your computer and a microSD memory card writer (or a microSD card slot built into your computer) to copy the new firmware to the initialized microSD memory card.

Caution

When you initialize the microSD memory 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 card. If you perform the firmware update with data remaining on the microSD memory card, it could cause the camcorder to malfunction.

Insert a microSD memory card into the camcorder and initialize it.

1. Insert the microSD memory card into memory card slot on the camcorder.
2. Press the  button to turn on the camcorder in Playback mode.
- If the camcorder is in SP-V1 mode, please cancel this mode.
3. Touch the [] button to display the Home screen.
4. Drag your finger right or left and touch in an order of the [] button, the [] tab, and the [Initialize ] button to display the Card Initialize screen.



5. Touch in an order of the [Initialize] button, the [Complete Initialization] button, and the [Yes] button to initialize the memory card.



6. Press the [] button to turn off the camcorder, and then remove the microSD memory card from the camcorder.

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

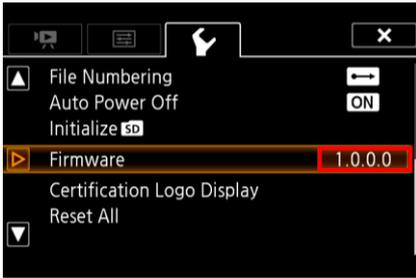
1. Insert the completely initialized microSD memory card into the microSD card reader/writer (or the microSD card slot on the computer).
2. Copy the firmware update data [VJF1.FIM] to the root directory of the microSD card.
 - If the firmware update file is placed in a subfolder of the microSD card, the camcorder will not recognize it.
3. Remove the microSD card from the card reader/writer.
 - When removing the microSD 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

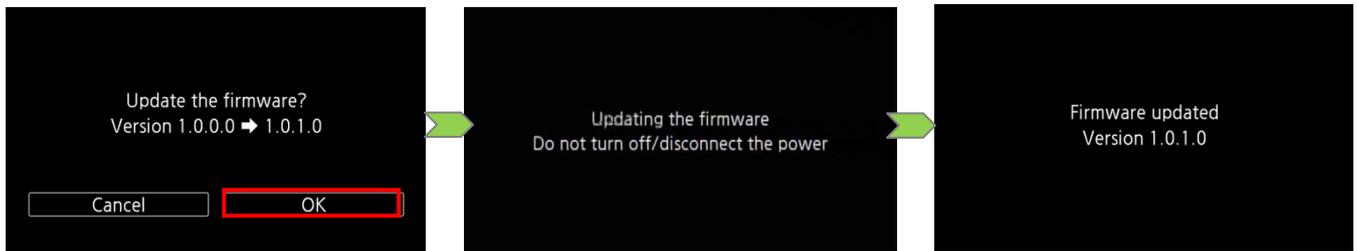
This section explains how to operate the camcorder.

1. Insert the battery pack into the camcorder.
2. Insert the microSD memory card to which [VJF1.FIM] was copied in Step 3 into the camcorder.
3. Press the [] button to turn on the camcorder in Playback mode.
 - If the camcorder is in SP-V1 mode, please cancel this mode.
4. Touch the [] button to display the Home screen, and drag your finger right or left to touch the [] button.
5. Touch the [] tab to display the System Setup menu.

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



7. Touch [OK] to start the firmware update.
 - After a short while, the firmware will be overwritten with the new version.
 - The camcorder will be rebooted twice during firmware update. Please wait for the screen confirming that the firmware was correctly updated.



Caution

The firmware update takes approximately 7 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.

8. All of the settings will be reset, and the [Date/Time] screen will appear. Set the date and time.
9. Perform the steps in “**Step 2: Check the firmware version on your camcorder**”, to confirm that the firmware version has changed.
10. Press the  button to turn off the camcorder, and then remove the microSD 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 a microSD memory card for the firmware update” to completely initialize the microSD memory card that was used to copy the firmware before using the memory card. Also, make sure to delete from your computer the firmware you downloaded from your computer.