






Firmware Update Procedure for the HV30 HD Camcorder

The various functions of the HV30, such as recording and image processing, are carried out by "firmware," software that controls the camcorder's operation. The following procedure describes how to download to your computer the data used to update your camcorder's firmware. To perform this procedure, a commercially available miniSD memory card with a capacity of at least 16 MB is required.

IMPORTANT: Observe the following precautions when updating the firmware

- When updating the firmware, make sure to attach a fully charged battery pack and power the camcorder using the compact power adapter.
- Before updating the firmware, turn on the camcorder in still image playback mode and initialize the miniSD memory card. Be aware that initializing the memory card will permanently erase all the data it contains.
- Before connecting the USB cable, move the  /  switch to  (memory card).
- While the firmware is being overwritten, do not turn off the camcorder under any circumstances.
- The camcorder may be damaged if the power is turned off while the firmware is being overwritten.
- While the firmware is being overwritten, do not open the memory card slot cover or operate any of the controls.
- After the firmware has been updated, it cannot be changed and it cannot be replaced with a previous version.

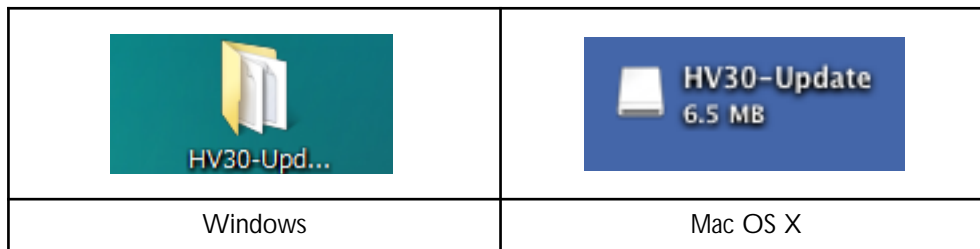
Make sure you have read the precautions above carefully before updating the firmware.

1. Extract the firmware update files.

Double-click the compressed file you downloaded from the Canon Web site.
If the files are already extracted, you do not need to extract them again.

After the files are extracted, a folder (or drive, for Mac OS X) will be created that contain the files required for the update.

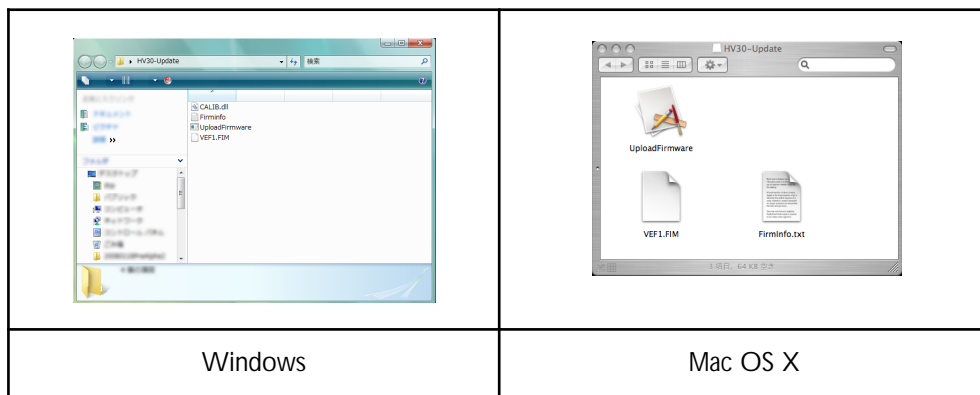
Folder (Drive) name: HV30-Update



Make sure you extract the downloaded files using the computer to be used for the firmware update.

2. Create the memory card to be used for overwriting the firmware.

Double-click the icon of the software to be transferred ("UploadFirmware") contained in the extracted folder (drive).






Follow the instructions shown in the UploadFirmware screens as well as the steps below.

Insert a miniSD memory card (at least 16 MB) into the camcorder.*

Use the USB cable to connect the camcorder to the computer.**

NOTE: When running UploadFirmware, close all other applications such as CameraWindow.

* Performing the firmware update using a memory card that contains images may lead to a malfunction of the camcorder.
Make sure you initialize the miniSD memory card first.
Be aware that initializing the memory card will permanently erase all the data it contains.

** Before updating the firmware, move the  /  switch to  (memory card) and turn on the camcorder.

After you follow the steps for UploadFirmware, a miniSD memory card for overwriting the firmware will be created.

Exit UploadFirmware, turn off the camcorder, and disconnect the USB cable from the camcorder and computer.

Do not remove the miniSD memory card and do not disconnect the compact power adapter.

Note: For Windows® 2000 users
If UploadFirmware does not run correctly, install the TWAIN driver (included on the DIGITAL VIDEO Solution Disk CD-ROM) and then start UploadFirmware.

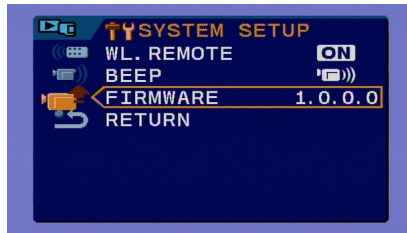
3. Update the firmware.

Perform the following steps with the camcorder for firmware update.

(1) Set the camcorder's **POWER** switch to PLAY and move the / switch to (memory card).

(2) Press **[FUNC.]** and select then **[SYSTEM SETUP]**.

(3) Select **[FIRMWARE]** and then press **(SET)**.



The firmware version update confirmation screen will appear.

(4) Push the joystick up/down and select **[OK]**.

(5) Press **(SET)** to start overwriting the firmware.

When overwriting starts, the screen to the right will appear and the CARD access indicator will start to flash.



After a short while, the screen will disappear. Wait until the firmware has finished being overwritten. (The CARD access indicator flashes during the operation.)

After about 2 minutes, the LCD screen and CARD access indicator will turn off, and the camcorder will automatically restart.



The old firmware has been overwritten with the new version.

If the message **[FIRM UPDATE ERROR! CHECK THE CARD]** appears, perform the procedure again starting from step 2.

If the camcorder does not stop beeping while the firmware is being overwritten or the firmware does not finish overwriting after 10 minutes have passed, disconnect the compact power adapter from the camcorder and contact a Canon Service Center.

4. Verify the firmware version.

Verify the firmware version and make sure that it is version 1.0.1.0.

(1) Set the camcorder's **POWER** switch to PLAY and move the / switch to .

(2) Press **[FUNC.]** and select then **[SYSTEM SETUP]**.

(3) Select **[FIRMWARE]** and then press **(SET)**.

(4) Verify that **[UPDATED ALREADY VERSION 1.0.1.0]** is displayed.



After verifying the firmware version, initialize the memory card used for firmware update.

You can safely delete from your computer the files used for the firmware update.