



Upgrading the D70 Firmware

"Windows"

Thank you for choosing a Nikon product. This guide describes how to upgrade the camera firmware for the D70.

If you are not confident that you can perform the update successfully, the update can be performed by a Nikon service representative.

The D70 has two sets of firmware, A and B, which must be updated separately. After updating the A firmware, repeat steps 4-5, below, to upgrade the B firmware.

Important

The D70 may be damaged if power is interrupted or camera controls are operated during the update. Do not turn the camera off, remove or disconnect the power source, or operate camera controls during the update. If the update is not completed successfully and the camera becomes inoperable, take the D70 to a Nikon-authorized service representative for inspection.

1

Get ready

To upgrade the firmware for the D70, you will need:

- A Nikon D70 digital SLR camera

- A UC-E4 USB cable or a CompactFlash card reader

- One of the following power sources:

 - An EH-5 AC adapter

 - A fully-charged EN-EL3 rechargeable battery

- A Nikon-approved CompactFlash memory card that has been formatted in the D70 (do not use Microdrive cards).

The ***Nikon Guide to Digital Photography for the D70***

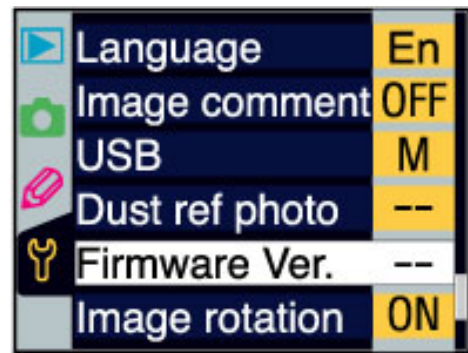
2

Check the current firmware version for the D70

1

Turn the camera on.

- 2** Press the **MENU** button and select **Firmware Ver.** in the setup menu.



- 3** Two firmware versions (A and B) will be displayed. Before the update, the A version will be 1.01 or earlier, the B version 1.03 or earlier.

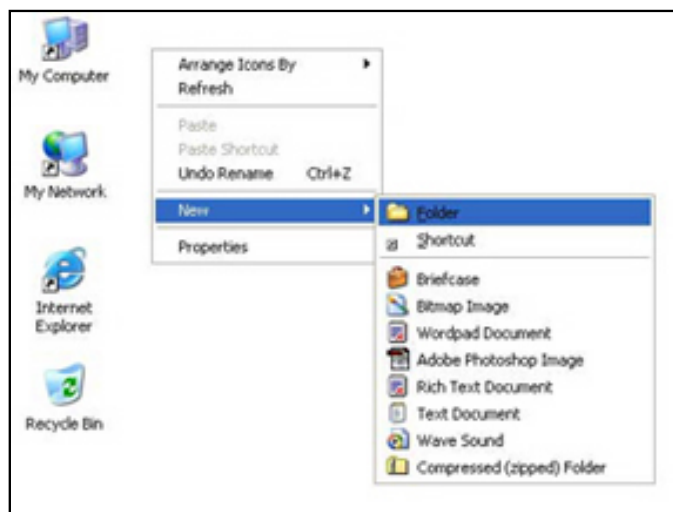


- 4** Turn the camera off.

3

Download and extract the new firmware

- 1** Create a new folder on the hard disk and name it as desired.



Position the mouse cursor over an empty space on the desktop and click the right mouse button. Select **New & Folder** to create a new folder on the desktop. Name the folder as desired.

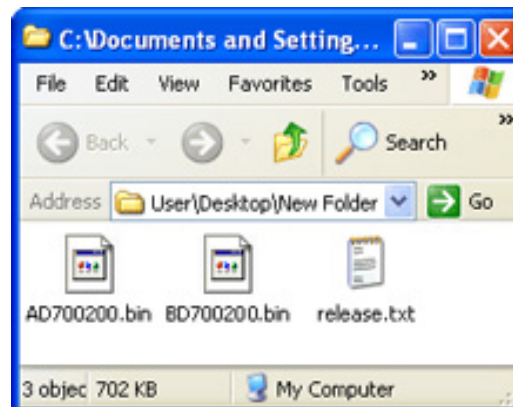
2 Download the file "D70fw20.zip" to the new folder. Position the mouse cursor over the **"Click here to Agree to Licenses and Start Download"** link on the download site (above) and click the right mouse button. Select Save target to file and choose the folder created in step 3 -1. The file "D70fw20.zip" will be downloaded to the new folder.

3 Extract the firmware update.
In Windows XP, right click on the "D70fw20.zip" folder and choose "Extract All..."

Other versions of Windows - for general instructions on downloading and installing.

If installation is completed successfully, the folder "D70Update" will be created in the new folder. The folder "D70Update" will contain the following files and folders:

- AD700200.bin: Camera A firmware
- BD700200.bin: Camera B firmware
- release.txt: Change description page



"D70Update" folder

AD700200.bin: Camera A firmware

BD700200.bin: Camera B firmware

release.txt: Details the changes made with the release of A firmware version 2.00 and B firmware version 2.00

4

Copy the firmware to the memory card

The firmware can be copied to the camera memory card either by connecting the computer directly to the D70 using the USB cable, or by removing the memory card from the camera and inserting it in a CompactFlash card reader.

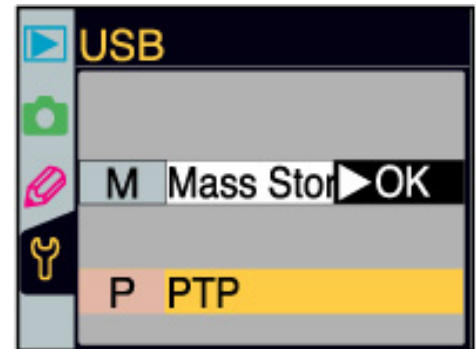
Important

Only one of the two sets of firmware (A or B) can be updated at a time. Use separate memory cards for each set of firmware, or update one set as described below, then format the memory card and repeat the process for the second set.

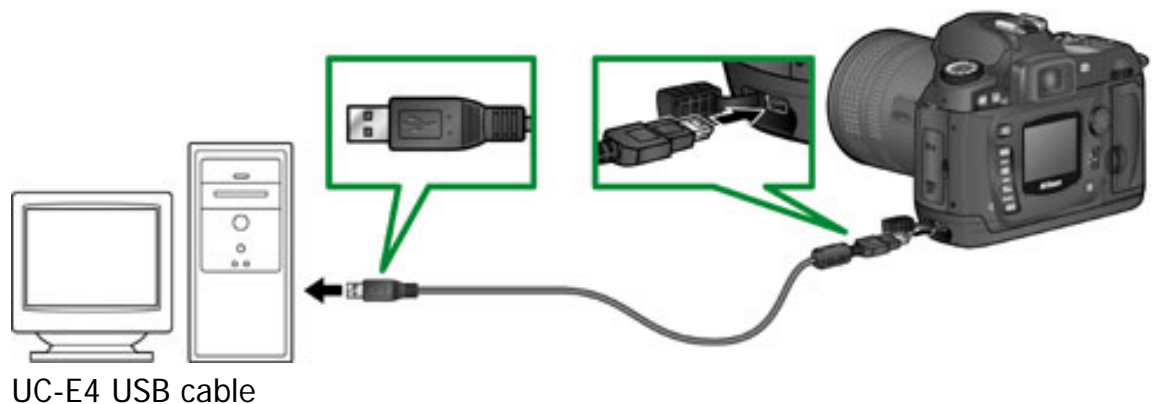
Direct USB Connection

- 1 Turn the camera off and insert the formatted memory card into the D70. For information on formatting memory cards, see the **Nikon Guide to Digital Photography with the D70**.

- 2 Set the **USB** option in the camera setup menu to **Mass Storage**. Press the **MENU** button and select **Mass Storage** in the setup **USB** menu.



- 3 Turn the camera off and connect the USB cable as shown below.



- 4 Turn the camera on. *
If Nikon View is installed
 Depending on the computer operating system, Nikon Transfer may start and display the message, "Camera or card contains no images. Nikon View will now terminate." Click **OK** to exit Nikon Transfer.

If PictureProject is installed

Depending on the computer operating system, PictureProject may start automatically. Click **Cancel**.

- * Under Windows XP, a Removable Disk dialog similar to that shown at right may be displayed. Select **Take no action** and click **OK**.



5

Copy the firmware to the memory card.

- 5-1. Copy the firmware to the removable disk corresponding to the camera.
When the camera is connected and turned on, a new "Removable Disk" icon will be displayed in My Computer. Copy "AD700200.bin" (A firmware) or "BD700200.bin" (B firmware) from the "D70Update" folder to this removable disk.

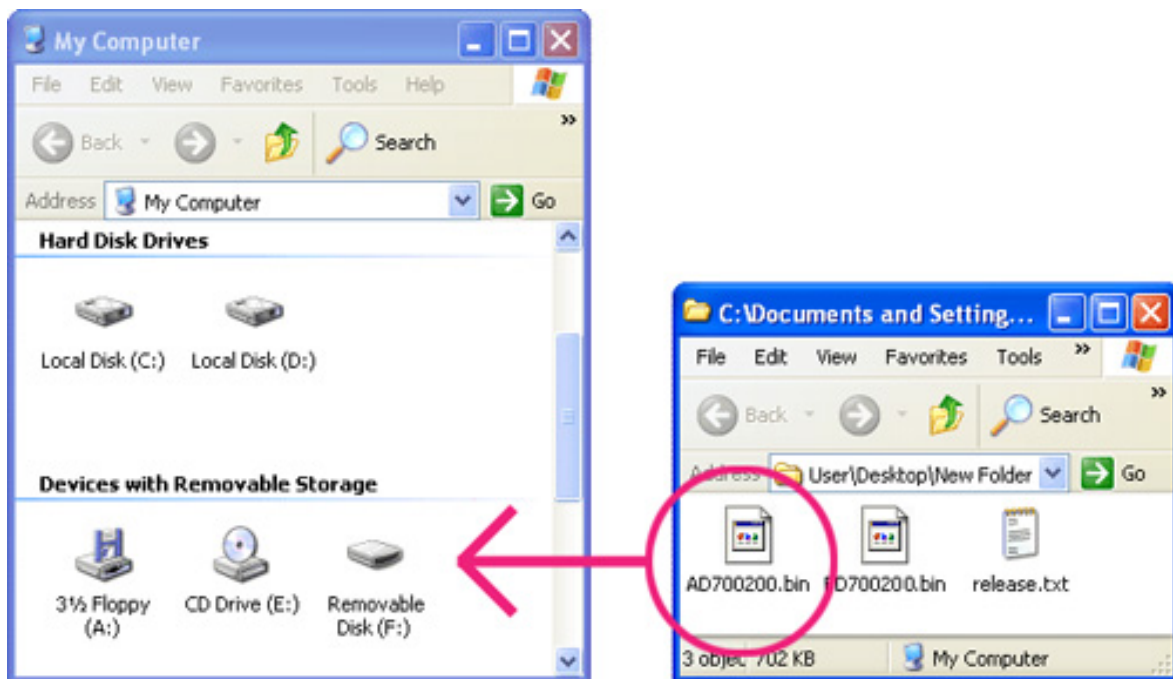


Illustration shows A firmware

Drive letters may differ

- 5-2. When copying is complete, confirm that the removable disk contains the "AD700200.bin" (A firmware) or "BD700200.bin" (B firmware).

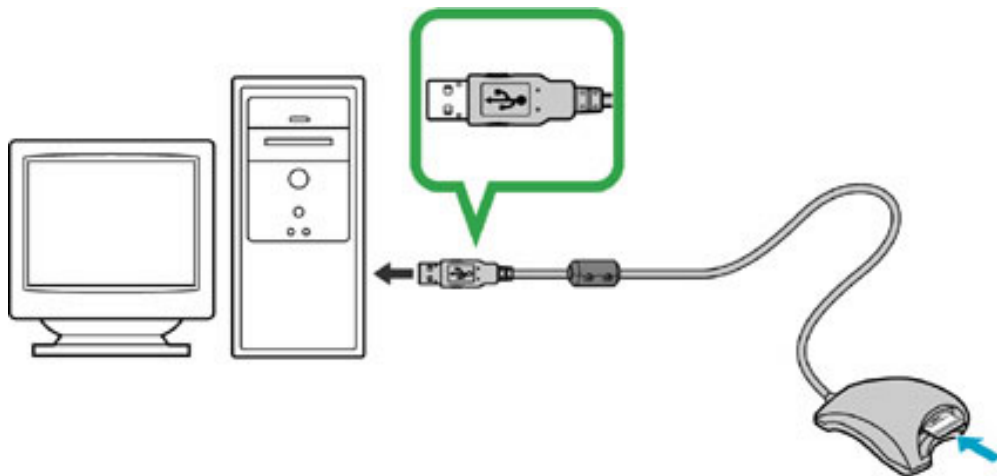
- 6** Disconnect the camera.
For information on disconnecting the camera, see the **Nikon Guide to Digital Photography for the D70**.

Important

Be sure to copy the firmware to the root directory of the memory card. The camera will not recognize the new firmware if it is placed in a folder under the root directory.

CompactFlash Card Reader

- 1** Connect the card reader to the computer.
For more information, see the documentation provided with the card reader.



- 2** Insert the formatted memory card into the card reader. *
- If Nikon View is installed**
Depending on the computer operating system, Nikon Transfer may start and display the message, "Camera or card contains no images. Nikon View will now terminate" Click **OK** to exit Nikon Transfer.
- If PictureProject is installed**
Depending on the computer operating system, PictureProject may start automatically. Click **Cancel**.

- * Under Windows XP, a Removable Disk dialog similar to that shown at right may be displayed. Select **Take no action** and click **OK**.



3

Copy the firmware to the memory card.

- 3-1. Copy the firmware to the removable disk corresponding to the memory card. When the memory card is inserted, a new "Removable Disk" icon will be displayed in My Computer. Copy "AD700200.bin" (A firmware) or "BD700200.bin" (B firmware) from the "D70Update" folder to this removable disk.

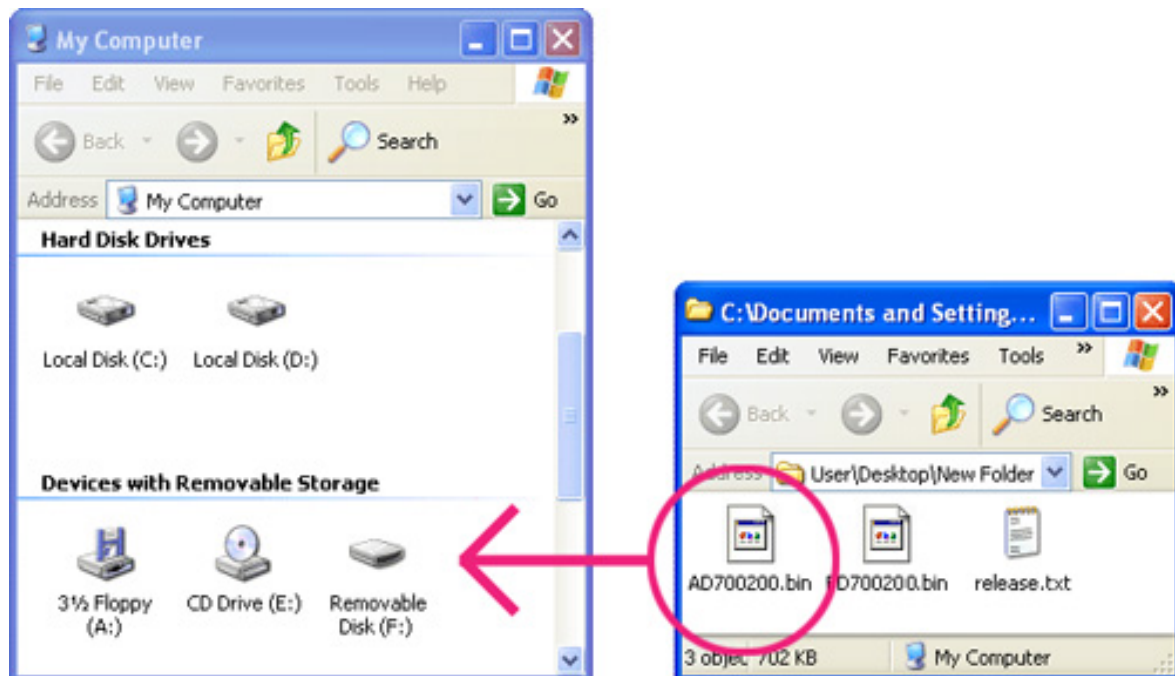


Illustration shows A firmware

Drive letters may differ

- 3-2. When copying is complete, confirm that the removable disk contains the "AD700200.bin" (A firmware) or "BD700200.bin" (B firmware).
- 3-3. Remove the memory card.
Right click on the removable disk and select **Eject** from the menu that appears.
Remove the memory card from the card reader.

- 4** Disconnect the card reader
For more information, see the documentation provided with the card reader.

Important

Be sure to copy the firmware to the root directory of the memory card. The camera will not recognize the new firmware if it is placed in a folder under the root directory.

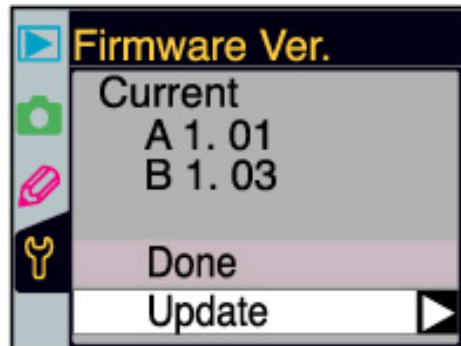
5**Update the camera firmware**

Performing any of the following actions during the update could cause the D70 to become inoperable:

- Removing the memory card
- Turning the camera off
- Operating any of the camera controls
- Attach or remove lenses
- Unplugging or disconnecting the AC adapter
- Removing the battery
- Subjecting the camera to powerful electromagnetic noise

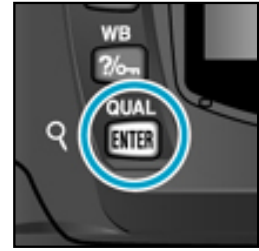
If you are not confident that you can perform the update successfully, the update can be performed by a Nikon service representative.

- 1** Insert the memory card containing the firmware into the D70.
- 2** Turn the camera on.
- 3** Press the **MENU** button and select **Firmware Ver.** in the setup menu.
- 4** The current firmware version will be displayed. Press the multi selector down to highlight **Update**, then press the multi selector to the right.
*Illustration shows dialog displayed when A firmware is updated. Follow the same steps to update B firmware.

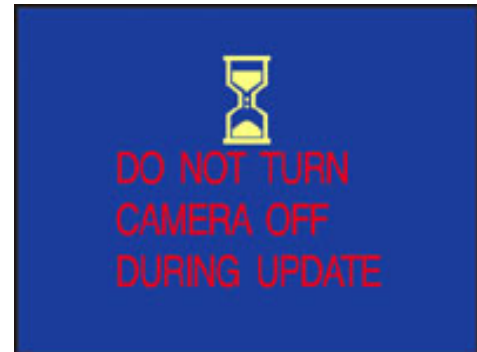


- 5** A firmware update dialog will be displayed. Highlight **Yes** and press the **ENTER** button to begin the update.

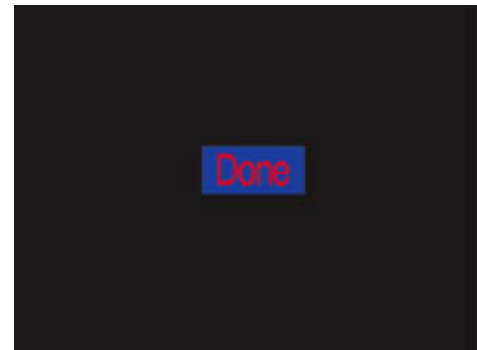
* Illustration shows dialog displayed when A firmware is updated. Follow the same steps to update B firmware.



- 6** From two to five minutes are required to complete the update. Do not perform any operations while the message shown at right is displayed.



- 7** The message shown at right will be displayed when the update is complete.

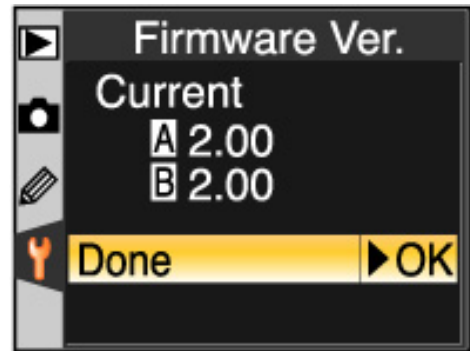


- 8** Confirm that the update was completed successfully.

8-1. Turn the camera off and remove the memory card.

8-2. Check the camera firmware version as described in **Step 2**,
"Check the current firmware version for the D70."

8-3.If the version displayed is 2.00, the update was successful
 *Illustration shows dialog displayed when updates for both A firmware and B firmware are completed.



9

Format the memory card.

For information on formatting memory cards, see the *Nikon Guide to Digital Photography with the D70*.

After upgrading A firmware, return to Step 4 and upgrade B firmware.

10

Restore the **USB** option to its original setting.
 If you changed the **USB** setting from **PTP** to **Mass Storage** to update the camera firmware, return to the **USB** menu and select **PTP**. See the *Nikon Guide to Digital Photography with the D70* for details.

This completes the firmware update.