



# Nikon Capture 4 Ver. 4.3 Install Guide (En)

# Nikon Capture 4 Ver. 4.3

Install Guide

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# Introduction

# About This Manual

Thank you for your purchase of Nikon Capture 4 (Ver. 4.3). This install guide explains how to install and uninstall Nikon Capture 4 on your Windows or Macintosh computer, and how to connect your camera to your computer. It also explains how to insert a camera memory card in a card reader or PC card slot, how to start Nikon Capture 4, and how to register the camera with the system. Before reading this guide, be sure to read the *Nikon Capture 4 User's Manual*.

The procedure for installing Nikon Capture 4 varies with the model of camera and computer operating system you are using. Be sure to read the sections of this guide that apply to your model of camera and computer operating system.

# Overview

This guide is divided into two main parts, one for Windows and the other for Macintosh computers.

# Windows

This section explains how to install and uninstall Nikon Capture 4 on your Windows computer, and how to connect your camera to your computer. It also explains how to insert the memory card in a card reader or PC card slot. Note that when you connect your camera to a Windows computer after installing Nikon Capture 4, the computer will automatically identify the camera as a new device and initiate device registration. For information on confirming that the camera is correctly registered with the system, see "Device Registration" in this manual, which describes how to confirm device registration with different models of camera and different versions of Windows.

# Macintosh

This section explains how to install and uninstall Nikon Capture 4 on your Macintosh computer, and how to connect your camera to your computer. It also explains how to insert the memory card in a card reader or PC card slot.

# Illustrations

The illustrations in this guide are from Windows XP and Mac OS X. Depending on the operating system used, the dialogs and menus displayed on your computer may differ slightly from those shown here.



This section explains how to install and uninstall Nikon Capture 4, how to connect your camera and insert the camera memory card in a card reader or PC card slot, and how to register the camera with the system.

# **Installing Nikon Capture 4 Under Windows**

Before installing Nikon Capture 4, make sure that your computer meets the following system requirements.

| P<br>OS V   |  | Pre-installed versions of Windows XP Home Edition, Windows XP Professional,<br>Windows 2000 Professional, Windows Millennium Edition (Me), Windows 98                 |
|---|--|---|
|   |  | Second Edition (SE)   |
| CPU   |  | 300 MHz Pentium equivalent or better  |
| RAM 256 MB (768 MB or more recommended)   |  | 256 MB (768 MB or more recommended)   |
| Hard-disk s   | Hard-disk space 200 MB required for installation |   |
| Video         800×600 pixels or more with 16-bit color (High Color/thousands of color           resolution         bit color (True Color/millions of colors) recommended. |  | 800×600 pixels or more with 16-bit color (High Color/thousands of colors). 24-<br>bit color (True Color/millions of colors) recommended.                              |
| Interface   | IEEE<br>1394†                                    | Open Host-Controller Interface (OHCI) compliant IEEE 1394 interface board or card <sup><math>\pm</math></sup> required for connection to D1, D1x, and D1 <sub>H</sub> |
|   | USB**  | Built-in USB interface  |
| Supported cameras<br>(Camera Control)   |  | D1-series, D2-series, D100, D70s, D70, and D50  |
| Other   |  | <ul><li>CD-ROM drive required for installation.</li><li>Internet connection required for some options.</li></ul>  |

† The camera may not function as expected when connected to an IEEE 1394 hub.

‡ A list of boards and cards that have been tested and approved for use with the D1, D1x, and D1H is available on-line at the sites listed page 2 of the User's Guide.

\*\*The camera may not function as expected when connected to a USB hub or keyboard.

Windows XP Home Edition, Windows XP Professional, Windows 2000 Professional

Installing Nikon Capture 4 under a multi-user operating system requires Administrator privileges. When installing Nikon Capture 4, log in as:

| Windows XP Home Edition/Professional | Computer administrator |
|--------------------------------------|------------------------|
| Windows 2000 Professional            | Administrators         |

When installing Nikon Capture 4, you can choose between Easy Install and Custom Install options.

| Easy  | Install           |
|---|-------------------|
| The following software will be installed in the orde      | r given below.    |
| Nikon Mass Storage Camera Drivers<br>(Windows 98 SE only) | 3 Nikon Capture 4 |
| 2 Driver for D1-series cameras                            |                   |

| Custor  | n Install         |  |
|---|-------------------|--|
| Choose from the following (software will be installed in the order listed): |                   |  |
| Nikon Mass Storage Camera Drivers<br>(Windows 98 SE only)                   | 3 Nikon Capture 4 |  |
| 2 Driver for D1-series cameras  |                   |  |

# Before installing Nikon Capture 4

• Uninstall any earlier versions of Nikon Capture before installing Nikon Capture 4.

<sup>•</sup> Nikon Capture 4 version 4.3 can be used with either PictureProject or the latest version of Nikon View. For information on the latest Nikon software, visit the websites listed on page 2 of the Nikon Capture 4 User's Manual.

<sup>•</sup> Exit all applications, including any virus-checking software that may be running.

#### Windows

Start the computer and insert the Nikon Capture 4 installer CD in a CD-ROM drive. The Install Center program will launch automatically. Depending on the country of purchase, a "Select Region" dialog may be displayed. Select a region and click **Next**. A language-selection dialog will be displayed; select a language and click **Next**. The "Install Center" window will be displayed. The Install Center window contains three tabs: Software, Custom Install, and Customer Support. Clicking **Quit** will interrupt installation and close the Install Center window.

# Software



Clicking the **Easy Install** button in the Software tab begins installation of the Nikon Mass Storage Camera Drivers (Windows 98 SE only), the driver for D1 series cameras, Nikon Capture 4.



#### **Custom Install**

This tab lists the software that can be installed from the Install Center window. Check the desired items and click **Install** to begin installation.



#### **Customer Support**

#### **Customer Support**

Click the button for your area to view the Nikon technical support web site (Internet connection required).

#### ReadMe

Click **ReadMe** to view the ReadMe file. We recommend that you view the ReadMe file before installing Nikon Capture 4.

#### 🖉 If the "Select Region" or "Select Language" Dialog Is Not Displayed

If the Install Center program does not launch automatically when the Nikon Capture 4 CD is inserted:

- Under Windows XP Home Edition and Windows XP Professional, select My Computer from the Start menu. In other versions of Windows, double click the My Computer icon on the desktop.
- 2. Click the icon for the CD-ROM drive containing the Nikon Capture 4 CD with the right mouse button.
- 3. Choose **AutoPlay** from the menu that appears.

# Easy Install

The standard installation procedure involves two steps: choosing the Easy Install option and installing the software.

# Step 1: Choose the Easy Install option

In the Software tab, click **Easy Install** to begin installation of the Nikon Mass Stoage Camera Drivers (Windows 98 SE only), the driver for D1-series cameras, Nikon Capture 4.



# **V** Before installation

Before installing Nikon Capture 4 and the device driver, make sure the camera is not connected to the computer. If the Device Wizard is displayed, click **Cancel** to exit the Wizard.

# 🖉 Product Key

If prompted to supply a product key when starting Nikon Capture 4 Editor or Nikon Capture 4 Camera Control, enter the product key supplied on the Nikon Capture 4 CD case.

# **Step 2: Complete installation**

# 2.1 — Install the driver for D1-series cameras

If you are using one of the D1 series of cameras, first install the driver for your camera. If you are using a different model of camera, click **Cancel** and go to the next step. To install the driver for D1 series cameras, click **OK**.

The system will display a message stating that installation is complete. Click **OK**.





# **Windows 98 SE**

If you are using Windows 98 SE, the Nikon Mass Storage Camera Drivers will be installed before the driver for D1 series cameras. The dialog box shown right will be displayed. Click **OK** to continue.



# 2.2— Install Nikon Capture 4

Installation of Nikon Capture 4 begins with the license agreement.

2.2.1—Accept the license agreement

After making sure that you have read and understood the contents of the agreement, click **Yes** to continue installation.

| cense Agreement  |   |                                      |
|--|---|--------------------------------------|
| Please read the following license agreement  | carefully.  | C. States                            |
| Press the PAGE DOWN key to see the rest o  | of the agreement.   |                                      |
| Nikon Corporation<br>License Agreement   |   | ^                                    |
| This Nikon License Agreement ("Agreement<br>individual or single entity) and Nikon Corpora<br>conditions for your use of the Nikon software<br>includes computer software and may include<br>"online" or electronic documentation ("SDF"<br>By installing or downloading the SDFTVABI<br>Agreement and are agreeing to be bound by | (*) is a legal agreement between you (<br>tation (*)Nikon') setting forth the terms a<br>e accompanying this Agreement which<br>e associated media, printed materials,<br>TWARE").<br>E, you indicate your acceptance of thi<br>the terms of this Agreement. If you d | eitheran<br>and<br>and<br>s<br>o not |
| Do you accept all the terms of the preceding<br>will close. To install Nikon Capture, you mus  | License Agreement? If you select No<br>t accept this agreement.   | ), the setup                         |
|  |   |                                      |

2.2.2 — Personalize your copy of Nikon Capture 4

Enter your name and company (if applicable) to activate the **Next** button. Clicking **Next** will display a confirmation dialog; if the information you entered is correct, click **Yes** to proceed to the next step.

| Nikon Capture 4 Setup  | ×      |
|--|--------|
| Customer Information<br>Please enter your information.                 |        |
| Please enter your name and the name of the company for which you work. |        |
| User Name:<br>Company Name:  |        |
| InstallShield CBack Next>  | Cancel |

# Earlier Versions of Nikon Capture

Before you can install Nikon Capture 4, you must uninstall any earlier versions of Nikon Capture.

# 2.2.3—Choose a location

The folder to which Nikon Capture 4 will be installed is shown in the **Destination Folder** area (the default location is ...\Program Files\Nikon\NCapture4). To install to this folder, click **Next**. To select a new folder, click the **Browse...** button and navigate to the desired location.

| Nikon Capture 4 Setup  | $\mathbf{X}$ |
|--|--------------|
| Choose Destination Location<br>Select folder where setup will install files.                             | No.          |
| Setup will install Nikon Capture in the following folder.  |              |
| To install to this folder, click Next. To install to a different folder, click Browse<br>another folder. | e and select |
| Destination Folder   |              |
| C:\Program Files\Nikon\NCapture4   | Browse       |
| InstallShield KBack  | Cancel       |

If the chosen folder does not already exist, clicking **Next** will display the following dialog. Click **Yes** to create a folder in the location shown.

| Confirm New Folder  |
|---|
| You have entered the following folder specification:        |
| C:\Program Files\Nikon\NCapture4                            |
| This folder does not exist. Should setup create it for you? |
| Yes No  |

# 2.2.4—Start installation

While installation is in progress, the dialog shown below will be displayed.

| Nikon Capture 4 Setup                                       | $\mathbf{X}$ |
|---|--------------|
| Setup Status  |              |
| Nikon Capture Setup is performing the requested operations. |              |
| Installing  |              |
| C:\Program Files\Nikon\NCapture4\NCapture.exe               |              |
|   |              |
|   |              |
|   |              |
|   |              |
| La calle Galif  |              |
| nristellorineju -   | Cancel       |

# 2.2.5—Create a shortcut on the desktop

When the progress indicator reaches 100%, the dialog shown below will appear. Click **Yes** to create a shortcut, allowing you to start Nikon Capture 4 directly from an icon on the desktop. If you do not want to create a shortcut, click **No**.

| Questio | n 🗵  |
|---------|--|
| 2       | Do you want to create a shortcut for Nikon Capture 4 on your desk top? |
|         | Yes No   |

# Associating File Extensions with Nikon Capture 4

If Nikon Scan or other software that uses the same file extensions as Nikon Capture is installed, a dialog will be displayed asking whether you would like to associate Nikon Capture 4 with the extensions for color balance settings (\*.nca), tone curves (\*.ncv), and other image adjustment settings files. To associate Nikon Capture 4 with these extensions (recommended), click **Yes**.

#### Choosing an Application for Opening Image Files

If Adobe Photoshop is installed on your system, the dialog for choosing an application for opening image files will be displayed. Click **Yes** to select Photoshop as the application that will be used to open image files.

# 2.2.6—Choose default color management settings

To use the color-space profile embedded in images opened in Nikon Capture 4, choose (A) Use the color space of the file to be opened as the working color space. To choose a default RGB color-space profile for the working color space in Nikon Capture 4, choose (B) Always use the default RGB color space as the working color space. When this option is selected, you can choose the default color-space profile from a pull-down menu. Click OK to put changes into effect and proceed to the next step.

| Color Management Settings   |
|---|
|   |
| About Color Management  |
| Configures settings for Nikon Capture 4 color management.<br>Settings made here can be changed in Preferences after installation.   |
| Working Color Space Settings  |
| A) Use the color space of the file to be opened as the working color space .<br>B) Always use the default RGB color space as the working color space .  |
| Default RGB color space   |
| SRGB About Color Spaces   |
| The default RGB color space will be used as the working color space when (A) is<br>selected and the color space of the file to be opened is unknown. It will always be<br>used as the working color space when (B) is selected. |
| ОК  |

Clicking **About Color Spaces** displays a description of the different color-space profiles. Use this explanation to help you choose a color-space profile.

| Color Space   | Details  |
|---|--|
| Color Space   | s with a Gamma Value of 2.2  |
| sRGB<br>This color sy<br>used in colo<br>Many hardw<br>for presentir<br>without editi<br>blue area. T<br>61966-2.1" i | ace is used in most Windows monitors. Closely resembling the color space commonly<br>relevision, it is also becoming the standard for digital blevision broadcasting in the UGA<br>re and software groutdust employ this color space as a default. It is becoming the standard<br>gimages on the Yeb, and it is suited to those who intend to use their images electronically,<br>go printing. However, the garm of this color space as a more, white a particularly narrow<br>he ROB esting for this color space in PhotoShop 5.0 or 5.5 is "SROB," and "SROB IEC<br>PhotoShop 6.0. |
| Bruce RGE<br>This color s<br>G values an<br>The R and B   | ace, designed by Bruce Fraser, defines a C chromaticity between the Adobe RGB and sRGB<br>d achieves a gamut that expands the sRGB blue area and includes the SWOP CMYK gamut<br>values in "Bruce RGB" are the same as those for Adobe RGB.  |
| NTSC (195<br>This is the vi<br>standard for<br>(1953) RGB   | 3) RGB<br>dec color space defined by the National Television Standard Committee (NTSC) as the<br>color televisions. The RGB setting for this color space in PhotoShop 5.0 or later is "NTSC<br>"   |
| Adobe RGI<br>This is the c<br>and it includ<br>this color sp  | 9 (1998)<br>Jolor space defined in Adobe PhotoShop 5.0. The gamut is considerably wider than sRGB,<br>as the CMVK ranges of most printers, making it suitable for DTP work. The RGB setting for<br>ace in PhotoShop 5.0 is "SMPTE-240M," and "Adobe RGB (1998)" for PhotoShop 5.5 or later.  |

The default output color-space profile can be changed at any time after installation in the Color Management tab of the Nikon Capture 4 Editor or Nikon Capture 4 Camera Control Preferences dialog.

# 2.2.7—Complete installation of Nikon Capture 4

The following dialog is displayed when installation of Nikon Capture 4 is complete. Click **Fin-ish** to proceed to the next step.

| Nikon Capture 4 Setup |  |
|-----------------------|--|
|                       | Nikon Capture 4 Setup Complete<br>Nikon Capture Setup has installed Nikon Capture 4<br>successfully. |
|                       | < Back Finish Cancel   |

# 2.3—Restart your computer

The dialog shown below will appear when installation is complete. Click **Yes** to restart your computer. This completes the Easy Install procedure.

| Welcom | e 🛛 🕅  |
|--------|--|
| 2      | Installation has completed successfully. Please restart your computer. |
|        | Yes  |

# **Custom Install**

The standard installation procedure involves two steps: choosing the Custom Install option and installing the software.

# Step 1: Choose the Custom Install option

Click the Custom Install tab and check the software you want to install.



# Nikon Mass Storage Camera Drivers

This check box is only displayed under Windows 98 Second Edition (SE). Check this box to install the Nikon Mass Storage Camera Driver for Windows 98 SE.

# Driver for D1 series cameras

Check this box to install the drivers for the D1 series.

# Nikon Capture 4

Check this box to install Nikon Capture 4.

# V Before installation

Before installing Nikon Capture 4 and the device drivers, make sure the camera is not connected to the computer. If the Device Wizard is displayed, click **Cancel** to exit the Wizard.

# Step 2: Complete installation

To begin installation of the selected software, click the **Install** button in the Custom Install tab. If more than one option is selected, the software will be installed in the order listed.

| Install Center                           | $\mathbf{X}$                          |
|--|---------------------------------------|
| Nfkon                                    | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Software Custom Install Customer Support |                                       |
| ✓ Drivers for D1 series cameras          |                                       |
| ✓ Nikon Capture 4                        |                                       |
| InstallQuit                              |                                       |

# 2.1 — Install drivers

If you selected **Nikon Mass Storage Camera Drivers** (Windows 98 SE only) or **Driver for D1 series cameras**, installation will begin with the selected drivers. The explanation that follows takes the driver for D1-series camera as an example.

# 2.1.1—Begin driver installation

If you selected **Driver for D1 series cameras**, the following dialog will be displayed. Click **OK** to begin installation.



# 2.1.2—End driver installation

When installation is complete, the following dialog will be displayed. Click **OK** to proceed to the next step.



# 2.2 — Install Nikon Capture 4

Installation of Nikon Capture 4 begins with the license agreement.

2.2.1—Accept the license agreement

After making sure that you have read and understood the contents of the agreement, click **Yes** to continue installation.



2.2.2 — Personalize your copy of Nikon Capture 4

Enter your name and company (if applicable) to activate the **Next** button. Clicking **Next** will display a confirmation dialog; if the information you entered is correct, click **Yes** to proceed to the next step.

| Nikon Capture 4 Setup  | ×      |
|--|--------|
| Customer Information<br>Please enter your information.                 |        |
| Please enter your name and the name of the company for which you work. |        |
| User Name: Company Name: User Name:                                    |        |
| InstallShield  | Cancel |

# Earlier Versions of Nikon Capture

Before you can install Nikon Capture 4, you must uninstall any earlier versions of Nikon Capture.

# 2.2.3—Choose a location

The folder to which Nikon Capture 4 will be installed is shown in the **Destination Folder** area (the default location is ...\Program Files\Nikon\NCapture4). To install to this folder, click **Next**. To select a new folder, click the **Browse...** button and navigate to the desired location.

| Nikon Capture 4 Setup  | ×             |
|--|---------------|
| Choose Destination Location<br>Select folder where setup will install files.                           | X             |
| Setup will install Nikon Capture in the following folder.  |               |
| To install to this folder, click Next. To install to a different folder, click Brow<br>another folder. | se and select |
| Destination Folder<br>C:\Program Files\Nikon\NCapture4   | Browse        |
| InstallShield - Kext Next >  | Cancel        |

If the chosen folder does not already exist, clicking **Next** will display the following dialog. Click **Yes** to create a folder in the location shown.

| You have entered the following folder specification:<br>C:\Program Files\Nikon\NCapture4 |
|--|
| C:\Program Files\Nikon\NCapture4   |
|  |
|  |
| This folder does not exist. Should setup create it for you?                              |
| Yes No   |

# 2.2.4—Start installation

While installation is in progress, the dialog shown below will be displayed.

| Nikon Capture 4 Setup                                       | $\mathbf{X}$ |
|---|--------------|
| Setup Status  | No.          |
| Nikon Capture Setup is performing the requested operations. |              |
| Installing  |              |
| C:\Program Files\Nikon\NCapture4\NCapture.exe               |              |
|   |              |
| InstallShield   | Cancel       |

# 2.2.5—Create a shortcut on the desktop

When the progress indicator reaches 100%, the dialog shown below will appear. Click **Yes** to create a shortcut, allowing you to start Nikon Capture 4 directly from an icon on the desktop. If you do not want to create a shortcut, click **No**.

| Questio | n 🛛 🕅  |
|---------|--|
| 2       | Do you want to create a shortcut for Nikon Capture 4 on your desk top? |
|         | Yes  |

# Associating File Extensions with Nikon Capture 4

If Nikon Scan or other software that uses the same file extensions as Nikon Capture is installed, a dialog will be displayed asking whether you would like to associate Nikon Capture 4 with the extensions for color balance settings (\*.nca), tone curves (\*.ncv), and other image adjustment settings files. To associate Nikon Capture 4 with these extensions (recommended), click **Yes**.

#### Choosing an Application for Opening Image Files

If Adobe Photoshop is installed on your system, a dialog will be displayed asking if you want to use Photoshop to open image files saved in Nikon Capture 4. Click **Yes** to select Photoshop as the application that will be used to open image files.

# 2.2.6—Choose default color management settings

To use the color-space profile embedded in images opened in Nikon Capture 4, choose (A) Use the color space of the file to be opened as the working color space. To choose a default RGB color-space profile for the working color space in Nikon Capture 4, choose (B) Always use the default RGB color space as the working color space. When this option is selected, you can choose the default color-space profile from a pull-down menu. Click OK to put changes into effect and proceed to the next step.

| Color Management Settings   |   |  |  |
|---|---|--|--|
| About Color Management  |   |  |  |
| Configures settings for Nikon Capture 4<br>Settings made here can be changed in P   | color management.<br>references after installation.                         |  |  |
| Working Color Space Settings<br>(A) Use the color space of the file to b<br>(B) Always use the default RGB color<br>Default RGB color space   | e opened as the working color space .<br>space as the working color space . |  |  |
| SRGB  | About Color Spaces  |  |  |
| The default RGB color space will be used as the working color space when (A) is<br>selected and the color space of the file to be opened is unknown. It will always be<br>used as the working color space when (B) is selected. |   |  |  |
|   | ок  |  |  |

Clicking **About Color Spaces** displays a description of the different color-space profiles. Use this explanation to help you choose a color-space profile.

| About Color Spaces   | × |
|--|---|
| Color Space Details  | ^ |
| Color Spaces with a Gamma Value of 2.2   |   |
| _sRCB<br>This color space is used in most Windows monitors. Closely resembling the color space commonly<br>used in color television, it is also becoming the standard for digital television broad stating in the USA<br>Mary hardware and software products employ this color space as a deglut. It is becoming the standard<br>for presenting images on the Web, and it is suited to those who intend to use their images electronically,<br>without editing or printing. However, the gamut of this color space is a deglut, with a gadicularly marvo<br>blue area. The RGB setting for this color space in PhotoShop 5.0 or 5.5 is "sRGB," and "sRGB EC<br>clief6.2 if in PhotoShop 8.0. | Ш |
| Bruce RGB<br>This color space, designed by Bruce Fraser, defines a G chromaticity between the Adobe RGB and sRGB<br>G values and achieves a gamut that expands the sRGB blue area and includes the SWOP CMYK gamut<br>The R and B values in "Bruce RGB" are the same as those for Adobe RGB.   |   |
| NTSC (1953) R6B<br>This is the video color space defined by the National Television Standard Committee (NTSC) as the<br>standard for color televisions. The R6B setting for this color space in PhotoShop 5.0 or later is "NTSC<br>(1953) R6B".  |   |
| Adobe RGB (1999)<br>This is the color space defined in Adobe PhotoShop 5.0. The gamut is considerably wider than sRGB,<br>and it includes the CMYK ranges of most printers, making it suitable for DTP work. The RGB setting for<br>this color space in PhotoShop 5.0 is "SMPTE-240M," and "Adobe RGB (1998)" for PhotoShop 5.5 or later.  | * |
| Back   |   |

The default output color-space profile can be changed at any time after installation in the Color Management tab of the Nikon Capture 4 Editor or Nikon Capture 4 Camera Control Preferences dialog.

# 2.2.7—Complete installation of Nikon Capture 4

The following dialog is displayed when installation of Nikon Capture 4 is complete. Click **Fin-ish** to proceed to the next step.

| Nikon Capture 4 Setup |  |
|-----------------------|--|
|                       | Nikon Capture 4 Setup Complete<br>Nikon Capture Setup has installed Nikon Capture 4<br>successfully. |
|                       | < Back Finish Cancel   |

# 2.3 — Complete installation

The dialog shown below will appear when installation is complete. Click **Yes** to restart your computer.

| Welcome |  |  |  |
|---------|--|--|--|
| 2       | Installation has completed successfully. Please restart your computer. |  |  |
|         | Yes No   |  |  |

# **Connecting to a Computer**

If you are using a computer running Windows, make sure that you install Nikon Capture 4 before connecting your camera to the computer for the first time. After installing Nikon Capture 4, turn the camera on and connect it to the computer, or insert the memory card into a card reader or a PC card slot.

For more information about connecting your camera to a computer, see the documentation provided with your camera.

D1-Series (IEEE 1394 Interface)



D2-Series/D100/D70s/D70/D50 (USB Interface)



# V Use a Reliable Power Source

To ensure that data transfer is not interrupted, be sure that the battery is fully charged. If in doubt, charge the battery before use or use an AC adapter (available separately). If the battery is exhausted during transfer, transfer will be interrupted and data may be lost.

# Using a PC Card Slot

When inserted in a PC-card adapter (available separately), the camera memory card functions as a Type II PCMCIA ATA card, allowing images to be read from the card.

# Inserting a Memory Card

Remove the memory card from the camera and insert it in the adapter.



Insert the adapter into a PCMCIA TYPE II ATA card slot on your computer. For more information on inserting the adapter, see the documentation provided with your computer.



Depending on your computer's operating environment, you may need to install software, register the card adapter, or adjust OS settings when the adapter is inserted into the card slot. For more information, refer to the instruction manual for your operating system.

# Using a Card Reader

Images on the memory card can also be viewed using a card reader.

# Inserting a Memory Card

After removing the memory card from the camera, insert it in the card reader and connect the reader to the computer. See the documentation provided with the card reader for more information on connecting it to a computer.

Card reader (USB interface)



# Uninstall

# Uninstalling Nikon Capture 4

This section describes how to uninstall the Windows versions of Nikon Capture 4.

# **Uninstalling Nikon Capture 4**

From the Start menu, select All Programs>Nikon Capture 4>Nikon Capture 4 Uninstall (Windows XP) or Programs>Nikon Capture 4>Nikon Capture 4 Uninstall (other versions of Windows). The uninstall program will start.



**2** The uninstall program will display the message, "Do you want to completely remove the selected application and all of its components?" Click **OK** to uninstall Nikon Capture 4.

| Confirm Uninstall   | ×     |
|---|-------|
| Do you want to completely remove the selected application and all of its compon | ents? |

- **3** If any of the components used by Nikon Capture 4 are read-only or are used by other programs, a confirmation dialog will be displayed. Follow the instructions in the dialog to remove components or leave them untouched.
- 4 The dialog shown below will be displayed when the uninstall program has finished removing Nikon Capture 4 from your system. Confirm that **Yes**, I want to restart my computer now is selected and click **Finish** to restart your computer.



#### 🖉 Windows XP Home Edition, Windows XP Professional, Windows 2000 Professional

Uninstalling Nikon Capture 4 under a multi-user operating system requires Administrator privileges. When uninstalling Nikon Capture 4, log in as:

| Windows XP Home Edition/Professional | Computer administrator |  |
|--------------------------------------|------------------------|--|
| Windows 2000 Professional            | Administrators         |  |

# **Device Registration**

If you connect a supported digital camera to a Windows computer after installing Nikon Capture 4 and restarting the computer, Windows will automatically identify the camera as a new device and register the camera with the system. This section explains how to confirm that the camera is correctly registered. Read the section for your camera and operating system.

| Camera                                     | Operating system                      | Ъ  |
|--|---------------------------------------|----|
|  | Windows XP Home Edition /Professional | 25 |
| D2 series/D100/D70s/D70/D50/COOLPIX Series | Windows 2000 Professional             | 27 |
| Cameras (USB cameras)                      | Windows Millennium Edition (Me)       | 29 |
|  | Windows 98 Second Edition (SE)        | 31 |
|  | Windows XP Home Edition /Professional | 38 |
| D1-Series Cameras                          | Windows 2000 Professional             | 42 |
| (Nikon D1/Nikon D1x/Nikon D1H)             | Windows Millennium Edition (Me)       | 53 |
|  | Windows 98 Second Edition (SE)        | 60 |
|  | Windows 2000 Professional             | 48 |
| DX or Nikon Capture 2 or earlier           | Windows Millennium Edition (Me)       | 57 |
| Dr. of Millon Cupture 2 of Camer           | Windows 98 Second Edition (SE)        | 65 |

# D2-Series/D100/D70s/D70/D50/COOLPIX-Series Cameras

# Windows XP Home Edition/Professional

The following explanation uses D100 as an example.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using a USB cable and turn the camera on. The camera will be registered automatically.



If the Removable Disk dialog is displayed after registration, click **Cancel** to close the dialog box.

Follow the instructions below to check that the camera has been correctly registered with the system.

# Step 1

Select **Control Panel** from the **Start** menu. In the Control Panel window, click the **Performance and Maintenance** icon to open the Performance and Maintenance window. Click the **System** icon in the Performance and Maintenance window to open the System Properties window. Select the **Hardware** tab and click the **Device Manager** button.

# Step 2

The Device Manager will be displayed. After confirming that **Disk drives**, **Storage volumes**, and **Universal Serial Bus controllers** are listed in the Device Manager, click the plus sign (+) next to each of these device types.



# 🖉 Logging On

You will need to log on as Computer Administrator to register the camera.

# Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

# Step 3

Confirm that NIKON D100 USB Device, Generic Volume, and USB Mass Storage Device are listed respectively under Disk drives, Storage volumes, and Universal Serial Bus controllers. Double-click each of these listings to open the associated Properties window.

If the **NIKON D100 USB Device** is listed under **Other devices**, delete this entry and then turn the camera off and then on again.



# Step 4

The Properties dialogs for the selected devices will be displayed. Click the **General** tab and confirm that **This device is working properly** appears under **Device status**. Click **OK**.

| USB Mass Storage Device Properties ? 🗙  | NIKON D100 USB Device Properties   | Generic volume Properties ? ×  |
|---|--|--|
| General Driver  | General Policies Volumes Driver  | General Driver   |
| USB Mass Storage Device   | NIKON D100 USB Device  | Generic volume   |
| Device type: Universal Senial Bus controllers<br>Manufacture: Dempathe USB stroage device<br>Location: NIKON DSC D100<br>Device strato:<br>The device is working processly<br>If you are having problem with this device, click. Troubleshoot to<br>all the troubleshoot. | Device type: Disk drives<br>Manufacture: (Standard disk drives)<br>Location: on USB Mass Storage Device<br>Device situal<br>This device is working property.<br>If you are having problems with this device, click Troubleshoot to<br>define troubleshoot. | Device type: Storage volumes<br>Marulacture: Morocoft<br>Device status<br>This device is working process<br>If you are having problems with this device, click. Troubleshoot to<br>add the troubleshoote.<br>Tocubleshoot. |
| Device usage:<br>Use this device (enable)   | Device usage:<br>Use this device (enable)  | Device usage:<br>Use this device (enable)  |
| OK Cancel   | OK Cancel  | OK Cancel  |

Device registration is now complete. Click **OK** to close the System Properties dialog.

# 🖉 РТР

If the **USB** option in the camera setup menu is set to **PTP**, confirm that the camera is listed in the Control Panel under **Printers and Other Hardware > Scanners and Cameras**.

# Windows 2000 Professional

The following explanation uses D100 as an example.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using a USB cable and turn the camera on. The camera will be registered automatically.

| Found Ne | w Hardware     |  |
|----------|----------------|--|
| - Ali    | NIKON DSC D100 |  |

Follow the instructions below to check that the camera has been correctly registered with the system.

# Step 1

Right-click the **My Computer** icon on the desktop. Open the System Properties dialog by selecting **Properties** from the menu that appears. Open the Hardware tab and click the **Device Manager...** button in the Device Manager area.



# Step 2

The Device Manager will be displayed. After confirming that **Disk drives**, **Storage volumes**, and **Universal Serial Bus controllers** are listed in the Device Manager, click the plus sign (+) next to each of these device types.



# 🖉 Logging On

Log on as Administrators to register the camera.

# Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

#### Windows

# Step 3

Confirm that NIKON D100 USB Device, Generic volume, and USB Mass Storage Device are listed respectively under Disk drives, Storage volumes, and Universal Serial Bus controllers. Double-click each of these listings to open the associated Properties window.

If the **NIKON D100 USB Device** is listed under **Other devices**, delete this entry and then turn the camera off and then on again.



# Step 4

The Properties dialogs for the selected devices will be displayed. Click the **General** tab and confirm that **This device is working properly** appears under **Device status**. Click **OK**.

| USB Mass Storage Device Properties  | NIKON D100 USB Device Properties  | X Generic volume Properties  |
|---|---|--|
| General Driver  | General Disk Properties Driver  | General Driver   |
| USB Mass Storage Device   | NIKON D100 USB Device   | Generic volume   |
| Device type: Universal Senial Bus controllers<br>Manufacture: Microsoft<br>Loosino: MICKON SC D100<br>Overcise statos<br>Third devices in southing proceeds<br>Unit devices in southing proceeds<br>Unit the troubleshooter to<br>Lot the troubleshooter. | Device type: Disk drives<br>Meradestuter: (Standard disk drives)<br>Locator: on USB Mars Strage Device<br>Device status<br>(This device is undering proceeto)<br>If pays an hang pochemis with this device, click Troubleshooter to<br>saft the troubleshooter.<br>Y<br>Troubleshooter. | Device type: Storage volumes<br>Manufacture: Microsoft<br>Locodor: on NIKON D100 USB Device<br>Orivice status<br>Third device in working poscepty<br>Inglare are having poscepty<br>and the troubleshooter to<br>safe the troubleshooter.<br>Troubleshooter. |
| Device usage:<br>Use this device (enable)   | Device usage:<br>Use this device (enable)   | Device usage:<br>Use this device (enable)  |
| OK Cancel   | OK Cancel   | OK Cancel  |

Device registration is now complete. Click **OK** to close the System Properties dialog.

# 🖉 РТР

If the **USB** option in the camera setup menu is set to **PTP**, confirm that the camera is listed in the **Scanners and Cameras** Control Panel. The camera may be listed by name or as a **Nikon DSLR camera**.

# Windows Millennium Edition (Me)

The following explanation uses D100 as an example.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using a USB cable and turn the camera on. The camera will be registered automatically.

| New Hardware Found |   |  |  |
|--------------------|---|--|--|
| 8                  | NIKON D100 USB Device   |  |  |
| Windows            | s has found new hardware and is locating the software for it. |  |  |

Follow the instructions below to check that the camera has been correctly registered with the system.

# Step 1

Right-click the **My Computer** icon on the desktop. Open the System Properties dialog by selecting **Properties** from the menu that appears. Click the Device Manager tab.

# Step 2

After confirming that **Disk drives**, **Storage device**, and **Universal Serial Bus con-trollers** are listed in the Device Manager tab, click the plus sign (+) next to each of these device types.



| System Properties                  |                      |                            | ? ×            |
|------------------------------------|----------------------|----------------------------|----------------|
| General Device Ma                  | nager Hardware I     | Profiles Performan         | ce             |
|                                    |                      |                            | · 1            |
| <ul> <li>View devices b</li> </ul> | iy <u>t</u> ype OVia | ew devices by <u>c</u> onn | ection         |
| Computer                           | c                    |                            |                |
| E Service CDBOM                    | Controller           |                            |                |
| Disk drive                         | s                    |                            |                |
| 🗄 💻 Display ad                     | dapters              |                            |                |
| 😟 🚭 Floppy dis                     | k controllers        |                            |                |
| 🕀 🚭 Hard disk                      | controllers          |                            |                |
| E C Keyboard                       |                      |                            |                |
| Monitors                           |                      |                            |                |
| Mouse                              | adapters             |                            |                |
| Ports (CO)                         | M & LPT)             |                            |                |
| 🛨 🥵 Sound, vi                      | deo and game cont    | rollers                    |                |
| ⊕ 🖶 Storage d                      | evice                |                            |                |
| 🗄 💻 System de                      | evices               |                            |                |
| 🕀 🖶 Universal                      | Serial Bus controlle | rs                         |                |
| Properties                         | Refresh              | Remove                     | Pri <u>n</u> t |
| . <u> </u>                         |                      |                            |                |
|                                    |                      | OK                         | Cancel         |

# Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

# Step 3

Confirm that **NIKON D100**, **USB Disk**, and **USB Mass Storage Device** are listed respectively under **Disk drives**, **Storage device**, and **Universal Serial Bus controllers**. Double-click each of these listings to display the associated Properties window.



If the **NIKON D100** is listed under **Other devices**, delete this entry and then turn the camera off and then on again.

# Step 4

The Properties dialogs for the selected devices will be displayed. Click the **General** tab and confirm that **This device is working properly** appears under **Device status**. Click **OK**.

| NIKON D100 Properties                | ? ×    | USB Disk Properties              | <u>? ×</u> | USB Mass Storage Device Properties  | ? × |
|--------------------------------------|--------|----------------------------------|------------|---|-----|
| General Settings Driver              |        | General Driver                   |            | General Driver  |     |
| NIKON D100                           |        | USB Disk                         |            | USB Mass Storage Device   |     |
| Device type: Disk drives             |        | Device type: Storage device      |            | Device type: Universal Serial Bus controllers   |     |
| Manufacturer: (Standard disk drives) |        | Manufacturer: Generic            |            | Manufacturer: Microsoft   |     |
| Hardware version: Not available      |        | Hardware version: Not available  |            | Hardware version: Not available   |     |
| Device status                        |        | Device status                    |            | Device status   |     |
| This device is working properly.     |        | This device is working properly. |            | This device is working properly.  |     |
|                                      |        |                                  |            | If some features of this device are not working, you may<br>need to update the drivers for this device.<br>To do this, click Update Driver. |     |
|                                      |        |                                  |            | Update Driver   |     |
|                                      |        | Device usage                     |            | Device usage  |     |
|                                      |        | Disable in this hardware profile |            | Disable in this hardware profile  |     |
|                                      |        | Exists in all hardware profiles  |            | Fyists in all hardware profiles   |     |
|                                      |        |                                  |            |   |     |
| OK                                   | Cancel | OK                               | Cancel     | OK Cance  | 1   |

Device registration is now complete. Click **OK** to close the System Properties dialog.

# 🖉 РТР

If the **USB** option in the camera setup menu is set to **PTP**, confirm that the camera is listed in the **Scanners and Cameras** Control Panel. The camera may be listed by name or as a **Nikon DSLR camera**.

# Windows 98 Second Edition (SE)

The following explanation uses D100 as an example.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using a USB cable and turn the camera on. The camera will be registered automatically.



Follow the instructions below to check that the camera has been correctly registered with the system.

# Step 1

Right-click the **My Computer** icon on the desktop and select **Properties** from the menu that appears. The System Properties dialog will be displayed. Click the Device Manager tab.

# Step 2

After confirming that **Disk drives**, **Hard disk controllers**, and **Universal Serial Bus controllers** are listed in the Device Manager tab, click the plus sign (+) next to each of these device types.

| System Properties  |
|--|
| Generi Device Manager Hardware Profiles Performance System:<br>Microsoft Windows 98<br>Second E dition<br>4.10.2222 A  |
| System Properties  |
| View devices by type     View devices by connection     Second Sec |
| Ptoperties Refresh Remove Print  |
| OK Cancel  |

# Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

# Step 3

Confirm that NIKON D100, Nikon Digital Camera Controller, and Nikon Digital Camera Mass Storage Driver are listed respectively under Disk drives, Hard disk controllers, and Universal Serial Bus controllers. Double-click each of these listings to open the associated Properties window.



If the three drivers above are not listed in the **Device Manager** and **NIKON D100** is not listed under **Other devices**, disconnect the camera and restart the computer. When the computer has restarted, reconnect the camera to the computer.

-

Cancel

Print.

Refresh

R<u>e</u>move

ΟK

Properties

# Step 4

The properties for the selected devices will be displayed. Click the **General** tab and confirm that **This device is working properly** appears under **Device status**. Click **OK**.

| NIKON D100 Properties                | Nikon Digital Camera Controller Properties | Nikon Digital Camera Mass Storage Driver Properties |
|--------------------------------------|--|---|
| General Settings Driver              | General Driver                             | General Driver                                      |
| NIKON D100                           | Nikon Digital Camera Controller            | Nikon Digital Camera Mass Storage Driver            |
| Device type: Disk drives             | Device type: Hard disk controllers         | Device type: Universal Serial Bus controllers       |
| Manufacturer: (Standard disk drives) | Manufacturer: Nikon Corporation            | Manufacturer: Nikon Corporation                     |
| Hardware version: Not available      | Hardware version: Not available            | Hardware version: Not available                     |
| Device status                        | Device status                              | Device status                                       |
| This device is working properly.     | This device is working properly.           | This device is working properly.                    |
|                                      |  |   |
|                                      |  |   |
|                                      |  |   |
|                                      |  |   |
|                                      |  |   |
|                                      |  |   |
|                                      | Device usage                               | Device usage  |
|                                      | Disable in this hardware profile           | Disable in this hardware profile                    |
|                                      | Exists in all hardware profiles            | Exists in all hardware profiles                     |
|                                      |  |   |
|                                      |  |   |
| OK Cancel                            | OK Cancel                                  | OK Cancel   |

Device registration is now complete. Click **OK** to close the System Properties dialog.

# 

If the USB option in the camera setup menu is set to PTP, confirm that the camera is listed in the Scanners and Cameras Control Panel. The camera may be listed by name or as a Nikon DSLR camera.

# *Reinstalling the Device Driver—Windows 98 Second Edition (SE)* If **NIKON D100** is listed under **Other devices**, you will need to reinstall the device driver.

#### Step 1

Double-click the **NIKON D100** listing under **Other devices**.

| System Properties                                     |
|---|
| General Device Manager Hardware Profiles Performance  |
| View devices by type     C View devices by connection |
|   |
| Properties Refresh Remove Print                       |
| OK Cancel   |

# Step 2

The NIKON D100 Properties dialog will be displayed. Open the General tab and click **Reinstall Driver**.

| NIKON D100  | Properties   | ? X    |
|---|--|--------|
| General Driver  |  |        |
|   | D100   |        |
| Device type:  | Other devices  |        |
| Manufacturer:   | None specified.  |        |
| Hardware version  | : Not available  |        |
| Device status   |  |        |
| The drivers for<br>reinstall the dri  | r this device are not installed. (Code 28,) 1<br>ivers for this device, click Reinstall Driver | 0      |
|   | Rejnstall Driver   |        |
| Device usage Disable in this hardware profile Exists in all hardware profiles |  |        |
|   | OK   | Cancel |

# Step 3

The Update Device Driver Wizard will be displayed; click **Next**.

#### Update Device Driver Wizard



#### Windows

#### Step 4

The dialog box shown at right will be displayed. Select **Search for a better driver than the one your device is using now** and click **Next**.

| Ipdate Device Driver | Wizard<br>What do you want Windows to do?<br>(     Search for a better driver than the one you)<br>device is using now. (Recommended) |
|----------------------|---|
|                      | Display a list of all the drivers in a specific<br>location, so you can select the driver you want.                                   |
|                      | <back next=""> Cancel</back>  |

# Step 5

Insert the Nikon Capture 4 CD into a CD-ROM drive. To prevent the Select Language dialog from opening automatically, hold down the shift key while inserting the CD. Check the **CD-ROM drive** option and click **Next**.

#### The Select Language Dialog

If the Select Language dialog appears when the CD is inserted, click **Quit** to close the dialog.

| Update Device Driver Wizard           |   |  |
|---------------------------------------|---|--|
| Vir<br>dat<br>see<br>C<br>V<br>C<br>C | dows will search for updated drivers in its driver<br>abase on your hard drive, and in any of the following<br>cicel location: Cick Next to start the search.<br>Eloppy disk drives<br>CD-ROM drive<br>Microsoft Windows Update<br>Specify a location:<br>DriwrIN38_SELSET UPLWIN38 |  |
|                                       | < Back Next > Cancel  |  |

# Step 6

The dialog shown at right will be displayed. Click **Next**.

#### No Driver Found

If a message is displayed stating that Windows was unable to find a suitable driver, this may indicate that the Nikon Capture 4 CD was not correctly inserted in the CD-ROM drive or that the appropriate check box was not selected. Click **Back** to return to the dialog shown in Step 5, and confirm that your settings are correct.

| poate Device Driver wizard |   |  |
|----------------------------|---|--|
|                            | Windows driver file search for the device:<br>Nikon Digital Camera Mass Storage Driver<br>Windows is now ready to install the best driver for this<br>device. Click Back to select a different driver, or click Next<br>to continue.<br>Location of driver: |  |
|                            | < <u>B</u> ack  |  |
A dialog will be displayed indicating that driver update was successful. Click **Finish** to close the dialog.

| Update Device Driver Wizard |  |  |
|-----------------------------|--|--|
|                             | Nikon Digital Camera Mass Storage Driver                                       |  |
|                             | Windows has finished installing an updated driver for your<br>hardware device. |  |
|                             |  |  |
|                             |  |  |
|                             | K Back   |  |
|                             |  |  |

### Step 8

Click the General tab in the Nikon Digital Camera Mass Storage Driver dialog and confirm that **This device is working properly** appears under **Device status**. Click **Close**.

| Nikon Digital Camera Mass Storage Driver Properties 🛛 😰 🗙 |
|---|
| General Driver  |
| Nikon Digital Camera Mass Storage Driver                  |
| Device type: Universal Serial Bus controllers             |
| Manufacturer: Nikon Corporation                           |
| Hardware version: Not available                           |
| Device status   |
| This device is working properly.                          |
| Device usage  |
| Disable in this hardware profile                          |
| Kists in all hardware profiles                            |
| Close   |

### Step 9

The wizard will now start installation of the Nikon Digital Camera Controller with the dialog shown at right. Click **Next**.

### Add New Hardware Wizard

|              | This wizard searches for new drivers for:                                   |
|--------------|---|
|              | Nikon Digital Camera Controller   |
|              | A device driver is a software program that makes a<br>hardware device work. |
| <b>8</b> 3 🚓 |   |
|              |   |
|              |   |
|              | < Back Next > Cancel  |

Select Search for the best driver for your device and click Next.

| Add New Hardware Wizard |                                 |
|-------------------------|---------------------------------|
| ***                     | What do you want Windows to do? |
|                         | < Back Next > Cancel            |

### Step 11

After confirming that the Nikon Capture 4 CD is inserted in the CD-ROM drive, check the **CD-ROM drive** option and click **Next**.

### Add New Hardware Wizard



### Step 12

A dialog will be displayed stating that Windows has found the drivers for "Nikon Digital Camera Controller"; click **Next**.

### No Driver Found

If a message is displayed stating that Windows was unable to find a suitable driver, this may indicate that the Nikon Capture 4 CD was not correctly inserted in the CD-ROM drive or that the appropriate check box was not selected. Click **Back** to return to the dialog shown in Step 11, and confirm that your settings are correct.

# Add New Hardware Wizard Windows driver file search for the device: Nkon Digital Camera Controller Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to contrace. Location of driver: D:NDCSTOR.INF

A dialog will be displayed indicating that driver update was successful. Click **Finish** to close the dialog.

| Add New Hardware Wi | Add New Hardware Wizard  |  |
|---------------------|--|--|
|                     | Nikon Digital Camera Controller  |  |
|                     | Windows has finished installing the software that your new hardware device requires. |  |
|                     | K Besk Finish Cancel   |  |

### Step 14

Click **OK** to close the System Properties dialog.

| System Properties ? X                                |
|--|
| General Device Manager Hardware Profiles Performance |
|  |
| View devices by type     View devices by connection  |
|  |
|  |
|  |
| 😥 🖳 🖳 Display adapters                               |
| Floppy disk controllers                              |
| Hard disk controllers                                |
| Here Monitors  |
|  |
| Porte (CDM & LPT)                                    |
| E Sound, video and game controllers                  |
| 😥 💭 System devices                                   |
| 🗄 🖶 Universal Serial Bus controllers                 |
|  |
| Properties Refresh Remove Print                      |
|  |
| OK Cancel  |
|  |

### **D1-Series Cameras**

### Windows XP Home Edition/Professional

### Before You Begin

Confirm that your OHCI-compliant IEEE 1394 interface board or card has been correctly registered with the system.

Select **Control Panel** from the **Start** menu. In the Control Panel window, click the **Performance and Maintenance** icon to open the Performance and Maintenance window. Click the **System** icon in the Performance and Maintenance window to open the System Properties window. Select the **Hardware** tab and click the **Device Manager** button to open Device Manager window shown at right.



If "IEEE 1394 Bus host controllers" is not listed in the **Device Manager**, or if your IEEE 1394 interface board or card is listed as an unknown or miscellaneous device or is preceded by a red or yellow warning icon, follow the instructions in the manual provided with the board to ensure that the drivers are properly installed.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using an IEEE 1394 cable and turn the camera on. The camera will be registered automatically.

Follow the instructions below to check that the camera has been correctly registered with the system.

### Step 1

Select **Control Panel** from the **Start** menu to open the Control Panel window. Click the **Performance and Maintenance** icon inside the Control Panel window to open the Performance and Maintenance window. Click the **System** icon inside the Performance and Maintenance window to open the System Properties window. Select the **Hardware** tab and click the **Device Manager** button to open Device Manager window. After confirming that "Nikon 1394 Protocol Device" is listed in the Device Manager, click the "+" sign to its left.



### Logging On

You will need to log on as the "Computer Administrator" to register your camera.

### Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

If no "Nikon 1394 Protocol Device" listing appears or if "NIKON D1X" (or "D1" or "D1H") is listed under **Other Devices**, reinstall the device driver as instructed in "Reinstalling the Device Driver" (**W** 40).

If "Nikon 1394 Protocol Device" is not listed in the Device Manager and "NIKON D1X" (or "D1" or "D1H") is not listed under **Other De**vices, disconnect the camera, and restart the computer. When the computer has restarted, reconnect the camera.

### Step 2

After confirming that "Nikon Digital Camera D1 Series" is listed under "Nikon 1394 Protocol Device," double-click the listing to open the Properties window.

### Step 3

The Nikon Digital Camera D1 Series Properties dialog will be displayed. Click the General tab and confirm that "This device is working properly" appears under "Device status". Click **OK**.

| b Device Manager                   |
|------------------------------------|
| File Action View Help              |
|                                    |
| - 🔍 Computer                       |
| i Q Computer                       |
| 🗉 🥪 Disk drives                    |
| 🖅 👰 Display adapters               |
| 🗄 실 DVD/CD-ROM drives              |
| 🗈 🚍 Floppy disk controllers        |
| 🗈 🎩 Floppy disk drives             |
| IDE ATA/ATAPI controllers          |
| 🗄 🦣 IEEE 1394 Bus host controllers |
| 표 🦥 Keyboards                      |
|                                    |
| 🗈 🦉 Monitors                       |
| Image Network adapters             |
| E 🖓 Other devices                  |
| I NIKON D1X                        |
| H Ports (COM & LPT)                |

| 🖳 Device Manager                              |
|---|
| File Action View Help                         |
|   |
| E- 🖳 Computer                                 |
| 🖅 😼 Computer                                  |
| 🗈 🦇 Disk drives                               |
| 🗈 📲 Display adapters                          |
| 🗈 🥝 DVD/CD-ROM drives                         |
| 🗈 😁 Floppy disk controllers                   |
| 🗈 退 Floppy disk drives                        |
| 🗈 😁 IDE ATA/ATAPI controllers                 |
| 🗉 🥪 IEEE 1394 Bus host controllers            |
| 🕀 🦢 Keyboards                                 |
| Image: Image: Mice and other pointing devices |
| 🕀 😼 Monitors                                  |
| Betwork adapters                              |
| 😑 🧠 Nikon 1394 Protocol Device                |
| 💭 🌑 Nikon Digital Camera D1 Series            |
| H PORTS (CUM & LPT)                           |
| I → S Processors                              |

| Nikon Di        | ikon Digital Camera D1 Series Properties 🛛 ? 🗙   |  |  |  |
|-----------------|--|--|--|--|
| General         | Driver   |  |  |  |
|                 | Nikon Digital Camera D1 Series   |  |  |  |
|                 | Device type:   | Nikon 1394 Protocol Device               |  |  |
|                 | Manufacturer:  | Nikon Corporation                        |  |  |
|                 | Location:  | on NEC OHCI Compliant IEEE 1394 Host Con |  |  |
| If you<br>start | If you are having problems with this device, click Troubleshoot to start the troubleshooter. |  |  |  |
|                 |  | Troubleshoot                             |  |  |
| Device          | usage:   |  |  |  |
| Use th          | Use this device (enable)   |  |  |  |
|                 |  | OK Cancel                                |  |  |

Close the Device Manager, then click **OK** to close the System Properties window. Device registration is now complete.

### Reinstalling the Device Driver-Windows XP Home Edition /Professional

If "NIKON D1X" (or "D1" or "D1H") appears under "Other Devices," reinstall the device driver as instructed below.

### Step 1

Open the Device Manager dialog. Doubleclick the listing for the Nikon D1X (or D1 or D1H) that appears under "Other devices." The Properties dialog will be displayed.



### Step 2

Open the General tab and click **Reinstall Driver...** 

| NIKON D      | 1 Properties                                      | ?×                                       |  |
|--------------|---|--|--|
| General      | Driver  |  |  |
|              | NIKON D1  |  |  |
|              | Device type:                                      | Nikon 1394 Protocol Device               |  |
|              | Manufacturer:                                     | Unknown                                  |  |
|              | Location:   | on NEC OHCI Compliant IEEE 1394 Host Con |  |
| Devic        | ce status   |  |  |
| This<br>To n | This device is not configured correctly. (Code 1) |  |  |
|              |   | Reinstall Driver                         |  |
| Device       | usage:  |  |  |
| Use th       | is device (enable)                                | *  |  |
|              |   | OK Cancel                                |  |

### Step 3

The "Hardware Update Wizard" dialog will appear. Holding down the shift key to prevent the Select Language dialog from opening automatically, insert the Nikon Capture 4 CD into the CD-ROM drive. (If the shift key is not held down, the Select Language dialog will appear when the CD-ROM is inserted.) Select **Install the software automatically** and click **Next**.



When the driver installation has been completed, the dialog shown at right will be displayed; click **Finish** to close the wizard.

| Hardware Update Wizard |  |
|------------------------|--|
|                        | Completing the Hardware Update<br>Wizard             |
| No.                    | The wizard has finished installing the software for: |
|                        | Wkon Digital Camera D1 Series                        |
|                        | Click Finish to close the wizard.                    |
|                        | < Back Finish Cancel                                 |

### Step 5

Confirm that "This device is working properly" appears under "Device status" in the General Tab of the Nikon Digital Camera D1 Series Properties dialog. Click **Close**.

| Nikon Digi                      | Nikon Digital Camera D1 Series Properties 🛛 🛛 🕅   |  |  |
|---------------------------------|---|--|--|
| (General)                       | (General) Driver  |  |  |
|                                 | Nikon Digital Camera D1 Series  |  |  |
|                                 | Device type:  | Nikon 1394 Protocol Device               |  |
|                                 | Manufacturer:   | Nikon Corporation                        |  |
|                                 | Location:   | on NEC OHCI Compliant IEEE 1394 Host Con |  |
| This de<br>If you a<br>start th | This device is working properly. If you are having problems with this device, click Troubleshoot to start the troubleshooter. |  |  |
|                                 |   | Troubleshoot                             |  |
| Device us                       | Device usage:   |  |  |
| Use this                        | Use this device (enable)  |  |  |
|                                 |   | Close Cancel                             |  |

### Step 6

Close the Device Manager, then click **OK** to close the System Properties window.

| System Properties   |   |                        | ?×       |  |  |  |
|---|---|------------------------|----------|--|--|--|
| System Restore  | Automa  | tic Updates            | Remote   |  |  |  |
| General Comp  | uter Name   | Hardware               | Advanced |  |  |  |
| Add Hardware Wizard   | ware Wizard he  | elps you install hardv | vare.    |  |  |  |
|   |   | Add Hardwar            | e Wizard |  |  |  |
| Device Manager<br>The Device M<br>on your comp<br>properties of a<br>Driver 1 | Device Manager<br>The Device Manager lists all the hardware devices installed<br>on your computer. Use the Device Manager to change the<br>properties of any device.<br>Driver Signing Device Manager |                        |          |  |  |  |
| Hardware Profiles<br>Hardware prof<br>different hardw                         | Hardware Profiles Hardware profiles provide a way for you to set up and store Hardware profiles revision  |                        |          |  |  |  |
|   | -   | Hardware               | Profiles |  |  |  |
| OK Cancel Apply   |   |                        |          |  |  |  |

### Windows 2000 Professional

### Before You Begin

Confirm that your OHCI-compliant IEEE 1394 interface board or card has been correctly registered with the system.

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears to display the System Properties dialog. Open the Hardware tab and click the **Device Manager...** button in the Device Manager section.



If "1394 Bus host controllers" does not appear in the Device Manager, or if your IEEE 1394 interface board or card is listed as an unknown or miscellaneous device or is preceded by a red or yellow warning icon, follow the instructions in the manual provided with the board to ensure that the drivers are properly installed.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using an IEEE 1394 cable and turn on the camera. The camera is registered automatically.

Follow the instructions below to check that the camera has been correctly registered with the system.

### Step 1

Once registration is complete, check that the D1X (or D1 or D1H) has been correctly registered with the system. Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears to display the System Properties dialog. Open the Hardware tab and click the **Device Manager...** button in the Device Manager section.

| System Prop | erties   | ? ×  |  |  |  |
|-------------|--|------|--|--|--|
| General Ne  | etwork Identification Hardware Jser Profiles Advanced  |      |  |  |  |
| Hardware    | s Wizard<br>The Hardware wizard helps you install, uninstall, repair,<br>unplug, eject, and configure your hardware.                               |      |  |  |  |
| 3           | Hardware Wizard  |      |  |  |  |
| Device M    | fanager  | - II |  |  |  |
|             | The Device Manager lists all the hardware devices installed<br>on your computer. Use the Device Manager to change the<br>properties of any device. |      |  |  |  |
|             | Driver Signing Device Manager  |      |  |  |  |
| Hardware    | e Profiles   |      |  |  |  |

### 🖉 Logging On

You will need to log on as "Administrators" to register the D1, D1X, or D1H.

### Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

### **Updating the Drivers for the D1**

If you are already using the D1 with Nikon View DX or an earlier version of Nikon Capture, you will need to update the camera drivers as described under "Updating the Drivers for the D1" (1) 48).

The Device Manager will be displayed. After confirming that "Nikon 1394 Protocol Device" is listed in the Device Manager, click the "+" sign to its left.

If no "Nikon 1394 Protocol Device" listing appears or if "NIKON D1X" (or "D1" or "D1H") is listed under **Other Devices**, reinstall the device driver as instructed in "Reinstalling the Device Driver" (**W** 44).

If "Nikon 1394 Protocol Device" is not listed in the Device Manager and "NIKON D1X" (or "D1" or "D1H") is not listed under **Other De**vices, disconnect the camera, and restart the computer. When the computer has restarted, reconnect the camera.

### Step 3

After confirming that "Nikon Digital Camera D1 Series" is listed under "Nikon 1394 Protocol Device," double-click the listing to open the Properties window.

## By Device Manager Action Yew ↓ ← → Im (Computer

| 🗈 🗒 Computer                       |
|------------------------------------|
| 🖅 💷 Disk drives                    |
| 🖭 🗐 Display adapters               |
| 🗄 🖓 DVD/CD-ROM drives              |
| 🕀 🖶 Floppy disk controllers        |
| 🕀 📾 Floppy disk drives             |
| 🕀 📹 IDE ATA/ATAPI controllers      |
| 🕀 🥪 IEEE 1394 Bus host controllers |
| 🗄 🎯 Keyboards                      |
|                                    |
| 🕀 🗐 Monitors                       |
| 🕀 🌆 Network adapters               |
| 🕀 🤿 Nikon 1394 Protocol Device     |
| ÷                                  |

| 🖳 Device    | Manager                         |
|-------------|---------------------------------|
| Action      | ⊻iew   ← →   🖮 🖬 😰   🖄          |
| <u>-</u> Co | nputer                          |
| i • - 💻     | Computer                        |
| i 🛈 💭       | Disk drives                     |
| i 🔆 🛄       | Display adapters                |
| ⊕_D         | DVD/CD-ROM drives               |
| - 3         | Floppy disk controllers         |
|             | Floppy disk drives              |
| ÷           | IDE ATA/ATAPI controllers       |
| ÷ 🐨         | IEEE 1394 Bus host controllers  |
| ± 62        | Keyboards                       |
| - A         | Mice and other pointing devices |
|             | Monitors                        |
|             | Network adapters                |
| 1 6         | Other devices                   |
|             | R NIKON D1X                     |
|             |                                 |

## Device Manager Action Yew Computer Disk drives Disk driv

The Nikon Digital Camera D1 Series Properties dialog will be displayed. Click the General tab and confirm that "This device is working properly" appears under "Device status". Click **OK**.

| Nikon Digi      | tal Camera D1 5   | eries Properties                      | <u>? ×</u> |  |  |
|-----------------|---|---------------------------------------|------------|--|--|
| General         | Driver  |                                       |            |  |  |
|                 | Nikon Digital Camera D1 Series  |                                       |            |  |  |
|                 | Device type:  | Nikon 1394 Protocol Device            |            |  |  |
|                 | Manufacturer:   | Nikon Corporation                     |            |  |  |
|                 | Location:   | on NEC FireWarden OHCI Compliant IEEE | 13:        |  |  |
| Devic<br>This   | e status<br>device is working p   | roperly.                              |            |  |  |
| lf you<br>start | If you are having problems with this device, click Troubleshooter to<br>start the troubleshooter. |                                       |            |  |  |
|                 |   | <b>•</b>                              |            |  |  |
|                 |   | Troubleshooter                        | ]          |  |  |
| Device          | usage:  |                                       |            |  |  |
| Use th          | is device (enable)  |                                       | -          |  |  |
|                 |   |                                       |            |  |  |
|                 |   | (OK) Canc                             | el         |  |  |

Close the Device Manager, then click **OK** to close the System Properties window. Device registration is now complete.

### Reinstalling the Device Driver-Windows 2000 Professional

If "Nikon 1394 Protocol Device" is listed under "Other Devices," reinstall the device driver as described below.

### Step 1

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears to display the System Properties dialog. Open the Hardware tab and click the **Device Manager...** button in the Device Manager section.



The Device Manager will be displayed. Double-click the listing for the Nikon D1X (or D1 or D1H) that appears under "Other Devices" or "Miscellaneous Devices."

### Step 3

Open the General tab and click **Reinstall Driver...** 

| 9 | Device          | Manager                         |
|---|-----------------|---------------------------------|
|   | <u>A</u> ction  | ⊻iew   ← →   🖻 🖬 😫   🎘          |
| - | 🖳 Cor           | nputer                          |
|   | ÷               | Computer                        |
|   | ÷               | Disk drives                     |
|   | ÷               | Display adapters                |
|   | - ±@            | DVD/CD-ROM drives               |
|   | • • • • • • • • | Floppy disk controllers         |
|   | •               | Floppy disk drives              |
|   | ÷-8             | IDE ATA/ATAPI controllers       |
|   | ÷ 🖘             | IEEE 1394 Bus host controllers  |
|   | ÷ 🕸             | Keyboards                       |
|   | _±-`````        | Mice and other pointing devices |
|   | ÷               | Monitors                        |
|   | ÷ 📖             | Network adapters                |
|   | 8               | Other devices<br>위 NIKON D1X    |
|   | • 🟹             | Ports (COM & LPT)               |
|   |                 |                                 |

| NIKON D12   | Properties         | <u>? ×</u>                                |  |
|---|--------------------|---|--|
| General   | Driver             |   |  |
| Ŷ   | NIKON D1X          |   |  |
|   | Device type:       | Nikon 1394 Protocol Device                |  |
|   | Manufacturer:      | Unknown                                   |  |
|   | Location:          | on NEC FireWarden OHCI Compliant IEEE 13! |  |
| Device status This device is not configured correctly. (Code 1) To reinstall the drivers for this device, click Reinstall Driver. |                    |   |  |
|   |                    | Reinstall Driver                          |  |
| Device usage:   |                    |   |  |
| Use th  | is device (enable) |   |  |
|   |                    | OK Cancel                                 |  |

### Step 4

The Upgrade Device Driver Wizard will be displayed; click **Next**.

| Upgrade Device Driver Wizard  |
|---|
| Welcome to the Upgrade Device<br>Driver Wizard           This wizard helps you upgrade a device driver for a<br>hardware device.           To continue, click Next. |
| < Back Next> Cancel   |

Select the search option and click **Next**.



### Step 6

The dialog shown at right will be displayed. Holding down the shift key to prevent the Select Language dialog from opening automatically, insert the Nikon Capture 4 CD into the CD-ROM drive. Select **CD-ROM drives** and click **Next**.

### The Select Language Dialog

If the Select Language dialog appears when the CD is inserted, click the **Quit** button to close the dialog.

### Step 7

The dialog shown at right will be displayed; click **Next**.

### No Driver Found

If the message, "Windows was unable to find a suitable driver for this device," is displayed, this may indicate that the Nikon Capture 4 CD was not correctly inserted in the CD-ROM drive or that the correct search location was not specified. Click **Back** to return to the dialog shown in Step 6, where you can confirm that the correct location has been specified.



| Upgrade Device Driver Wizard  |
|---|
| Driver Files Search Results<br>The wizard has finished searching for driver files for your hardware device. |
| NIKON D1X<br>Windows found a driver for this device. To install the driver Windows found, click Next.       |
| C d'viikondx.inf  |
| < Back Next > Cancel  |

The dialog shown at right will be displayed; clici Upgrade Device Driver

| opyrate bevice briver wizar | u  |
|-----------------------------|--|
|                             | Completing the Upgrade Device<br>Driver Wizard<br>Wikon Digital Camera D1 Series |
|                             | Windows has finished installing the software for this device.                    |
|                             |  |
|                             | To close this wizard, click Finish.  |
|                             | < Back. (Finish Cancel   |

### Step 9

Confirm that "This device is working properly" appears under "Device status" in the General Tab of the Nikon Digital Camera D1 Series Properties dialog. Click **Close**.

| Nikon Digital Camera D1 Series Properties |  |   |  |  |  |
|---|--|---|--|--|--|
| General                                   | Driver   |   |  |  |  |
|   | Nikon Digital Camera D1 Series   |   |  |  |  |
|   | Device type:   | Nikon 1394 Protocol Device                |  |  |  |
|   | Manufacturer:  | Nikon Corporation                         |  |  |  |
|   | Location:  | on NEC FireWarden OHCI Compliant IEEE 13! |  |  |  |
| This of If you start                      | This device is working properly.  If you are having problems with this device, click Troubleshooter to start the troubleshooter. |   |  |  |  |
|   |  | Troubleshooter                            |  |  |  |
| Device usage:                             |  |   |  |  |  |
| Use thi                                   | Use this device (enable)   |   |  |  |  |
| <u></u>                                   | Close Cancel   |   |  |  |  |
|   |  |   |  |  |  |

### Step 10

Close the Device Manager, then click **OK** to close the System Properties window.

| System Prop | erties   |                              |   | <u>?</u> × |  |
|-------------|--|------------------------------|---|------------|--|
| General N   | etwork Identification  | Hardware                     | User Profiles Advanced                      |            |  |
|             |  |                              |   |            |  |
| Hardwar     | e Wizard   |                              |   |            |  |
| - Ali       | The Hardware wiza<br>unplug, eject, and c  | rd helps you<br>onfigure you | install, uninstall, repair,<br>ur hardware. |            |  |
|             |  |                              | Hardware Wizard                             |            |  |
| - Device M  | fanager  |                              |   |            |  |
|             | The Device Manager lists all the hardware devices installed<br>on your computer. Use the Device Manager to change the<br>properties of any device. |                              |   |            |  |
|             | Driver Signing   | j                            | Device Manager                              |            |  |
| Hardwar     | e Profiles   |                              |   |            |  |
| Ð           | Hardware profiles pr<br>different hardware o   | ovide a wag<br>onfiguration  | o for you to set up and store<br>s.         |            |  |
|             |  |                              | Hardware Profiles                           |            |  |
|             |  | ОК                           | Cancel App                                  | ly         |  |

### Updating the Drivers for the D1—Windows 2000 Professional

If you are already using the D1 with Nikon View DX or Nikon Capture, you will need to update the camera driver.

### Step 1

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears to display the System Properties dialog. Open the Hardware tab and click the **Device Manager...** button in the Device Manager section.

### Step 2

The Device Manager will be displayed. Under the entry "Nikon 1394 Device," double-click "Nikon Digital Camera D1."

| System Prop | erties ?   | ×I |
|-------------|--|----|
| General Ne  | etwork Identification (Hardware) User Profiles Advanced  |    |
| - Hardware  | a Wizard   |    |
| <b>\$</b>   | The Hardware wizard helps you install, uninstall, repair,<br>unplug, eject, and configure your hardware.   |    |
|             | Hardware Wizard  |    |
| Device M    | lanager  |    |
|             | The Device Manager lists all the hardware devices installed<br>on your computer. Use the Device Manager to change the<br>properties of any device. |    |
|             | Driver Signing Device Manager  |    |
| Hardware    | e Profiles   |    |

| 📇 Device            | Manager                         |
|---------------------|---------------------------------|
| Action              | <u>View</u> ] ← →    配   😰 ] 🕄  |
| <b>⊡</b> _⊒,Co      | mputer                          |
| • • 🖳               | Computer                        |
| ÷-=                 | Disk drives                     |
| <u>⊨</u> … <b>,</b> | Display adapters                |
| <u>⊕</u>            | DVD/CD-ROM drives               |
| • <del>•</del> •    | i Floppy disk controllers       |
| ÷-=                 | Floppy disk drives              |
| E 🔁                 | IDE ATA/ATAPI controllers       |
| 🗄 🦏                 | IEEE 1394 Bus host controllers  |
| E 😚                 | Keyboards                       |
| _ ⊕~``Q             | Mice and other pointing devices |
| ±…₩                 | Monitors                        |
|                     | Network adapters                |
| €[•∕                | Nikon 1394 Device               |
|                     | Nikon Digital Camera D1         |
|                     |                                 |

### Step 3

The Nikon Digital Camera D1 Properties dialog will be displayed. Open the Driver tab and click **Update Driver...** 

| Nikon Digi                      | tal Camera D1 Pr  | operties  | <u>?</u> ×  |
|---------------------------------|---|---|-------------|
| Genera(                         | Driver  |   |             |
| $\diamond$                      | Nikon Digital Carr  | iera D1   |             |
|                                 | Driver Provider:  | Nikon Corporation   |             |
|                                 | Driver Date:  | Not available   |             |
|                                 | Driver Version:   | Not available   |             |
|                                 | Digital Signer:   | Not digitally signed  |             |
| To view<br>Details.<br>the driv | details about the d<br>To uninstall the driv<br>er files for this devic<br>Driver Details | inver files loaded for this device, click Driver<br>er files for this device, click Uninstall. To up<br>e, click Update Driver. | date        |
|                                 | o mor o o o dalla   |   | <u>ا</u> لا |
|                                 |   | OK Car  | ncel        |

### 🖉 Logging On

You will need to log on as "Administrators" to update the device drivers.

The Upgrade Device Driver Wizard will be displayed; click **Next**.

| Upgrade Device Driver Wizard |   |  |
|------------------------------|---|--|
|                              | Welcome to the Upgrade Device<br>Driver Wizard<br>This wizard helps you upgrade a device driver for a<br>hardware device. |  |
|                              | < Back. (Next > Cancel  |  |

### Step 5

The dialog shown at right will be displayed. Select the search option and click **Next**.

| Jpgrade D            | evice Driver Wizard   |
|----------------------|---|
| Install<br>A d<br>an | Hardware Device Drivers<br>levice driver is a software program that enables a hardware device to work with<br>operating system. |
| Thi                  | s wizard upgrades drivers for the following hardware device:  |
| $\langle$            | Nikon Digital Camera D1   |
| Upg<br>peri          | grading to a newer version of a device driver may add functionality to or improve the<br>formance of this device.               |
| Wh                   | at do you want the wizard to do?  |
| C                    | Search for a suitable driver for my device (recommended)  |
|                      | C Display a list of the known drivers for this device so that I can choose a specific driver                                    |
|                      | < Back  |

### Step 6

The dialog shown at right will be displayed. Holding down the shift key to prevent the Select Language dialog from opening automatically, insert the Nikon Capture 4 CD into the CD-ROM drive. Select **CD-ROM drives** and click **Next**.

### The Select Language Dialog

If the Select Language dialog appears when the CD is inserted, click the **Quit** button to close the dialog.

| Upgrade Device Driver Wizard  |
|---|
| Locate Driver Files<br>Where do you want Windows to search for driver files?  |
| Search for driver files for the following hardware device:  |
| Nikon Digital Camera D1   |
| The wizard searches for suitable drivers in its driver database on your computer and in<br>any of the following optional search locations that you specify. |
| To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive,<br>insert the floppy disk or CD before clicking Next.               |
| Optional search locations:  |
| Floppy disk drives  |
| ( CD-ROM drives   |
| Specify a location  |
| Microsoft Windows Update  |
| < <u>Back</u> ( <u>N</u> ext>) Cancel   |

The dialog shown at right will be displayed. Select "Install one of the other drivers" and click **Next**.



### Step 8

Select Nikon Digital Camera D1 Series from the dialog at right and click **Next**.

| ade Device Driver Wizard  |   |                        |                |
|---|---|------------------------|----------------|
| Driver Files Found<br>Which driver do you want to ins                   | tall ?                                      |                        | EN             |
| Nikon Digital Camera I  | 01  |                        |                |
| Windows found the following dri<br>these drivers select it from the lis | vers which are suitabl<br>t and click Next. | le for this device. To | install one of |
| Description   | Provider                                    | Manufacturer           | Location       |
| Mikon Diaital Camara D1   | Nikon Corporation                           | Milcon Corporation     | a luinatir     |
| Nikon Digital Camera D1 Serie:  | s Nikon Corporation                         | Nikon Corporation      | d:\inf\niko    |
| T   |   |                        | Þ              |
|   |   |                        |                |
|   |   |                        | ~              |

### Step 9

The dialog shown at right will be displayed; click **Finish**.

| Upgrade Device Driver Wizard |  |  |
|------------------------------|--|--|
|                              | Completing the Upgrade Device<br>Driver Wizard<br>Wikon Digital Camera D1 Series |  |
|                              | Windows has finished installing the software for this device.                    |  |
|                              | The hardware you installed will not work until you restart<br>your computer.     |  |
|                              | To close this wizard, click Finish.  |  |
|                              |  |  |
|                              | < Back Finish Cancel   |  |

Confirm that "This device is working properly" appears under "Device status" in the General Tab of the Nikon Digital Camera D1 Series Properties dialog. Click **Close**.

| Rikon Digi<br>General   | tal Camera D1 5<br>Driver   | eries Properties 🤶 🕺                      |  |
|-------------------------|---|---|--|
|                         | Nikon Digital Camera D1 Series                                    |   |  |
|                         | Device type:  | Nikon 1394 Protocol Device                |  |
|                         | Manufacturer:   | Nikon Corporation                         |  |
|                         | Location:   | on NEC FireWarden OHCI Compliant IEEE 13: |  |
| This<br>If you<br>start | device is working p<br>1 are having proble<br>the troubleshooter. | roperly.                                  |  |
|                         |   | Troubleshooter                            |  |
| Device                  | usage:  |   |  |
| JUse m                  | s device (enable)   |   |  |
|                         |   | Close Cancel                              |  |

### Step 11

Close the Device Manager, then click **OK** to close the System Properties window.

| System Properties  | ?×                              |
|--|---------------------------------|
| General Network Identification Hardware User Profiles  | s Advanced                      |
| Hardware Wizard<br>The Hardware wizard helps you install, uninsta<br>unplug, eject, and configure your hardware.         | all, repair,                    |
| Hardwa   | re Wizard                       |
| Device Manager   |                                 |
| The Device Manager lists all the hardware de<br>on your computer. Use the Device Manager to<br>properties of any device. | vices installed<br>o change the |
| Driver Signing Device  | Manager                         |
| Hardware Profiles  |                                 |
| Hardware profiles provide a way for you to set<br>different hardware configurations.                                     | t up and store                  |
| Hardwar  | re Profiles                     |
|  |                                 |
| OK Cance   | el Apply                        |

### Troubleshooting

• If "1394 Bus host Controller" is not displayed in the Device Manager, if the IEEE 1394 board or card is listed under "Other Devices" or "Miscellaneous Devices," or if the listing for the IEEE 1394 board or card is preceded by a red or yellow warning icon...

...the computer does not recognize the IEEE 1394 board or card. Refer to the documentation provided with your computer or IEEE 1394 board or card for information on registering the board or card with the system.

• If "1394 Bus host Controller" is listed in the Device Manager but the entry for the Nikon D1 (or D1X or D1H) does not appear...

... check the following:

- Is the camera on?
- Is the battery fully charged? If you are using an AC adapter (available separately), is it properly connected?
- Is the mode dial set to "PC"?
- Is the IEEE 1394 cable properly connected?

### Windows Millennium Edition (Me)

### Before You Begin

Confirm that the OHCI-compliant IEEE 1394 interface board has been correctly registered with the system.

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.



If "1394 Bus Controller" is not listed in the Device Manager, or if your IEEE 1394 interface board or card is listed as an unknown or miscellaneous device or is preceded by red or yellow warning icons, follow the instructions in the manual provided with the board to ensure that the drivers are properly installed.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using an IEEE 1394 cable and turn on the camera. The camera will be registered automatically.

Follow the instructions below to check that the camera has been correctly registered with the system.

### Step 1

Once registration is complete, check that the D1X (or D1 or D1H) has been correctly registered with the system. Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.



### Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

### Updating the Drivers for the D1

If you are already using the D1 with Nikon View DX or Nikon Capture, you will need to update the camera drivers as described in "Updating the Drivers for the D1" (57).

The Device Manager sheet will be displayed. After confirming that "Nikon 1394 Protocol Device" is listed in the Device Manager, click the "+" sign to its left.

If no "Nikon 1394 Protocol Device" listing appears or if "NIKON D1X" (or "D1" or "D1H") is listed under **Other Devices**, reinstall the device driver as instructed in "Reinstalling the Device Driver" (**V** 55).



If "Nikon 1394 Protocol Device" is not listed in the Device Manager and "NIKON D1X" (or "D1" or "D1H") is not listed under **Other Devices**, disconnect the camera, and restart the computer. When the computer has restarted, reconnect the camera to the computer.

### Step 3

After confirming that "Nikon Digital Camera D1 Series" is listed under "Nikon 1394 Protocol Device," double click the listing to open the Properties window.

### Step 4

The Nikon Digital Camera D1 Series Properties dialog will be displayed. Click the General tab and confirm that "This device is working properly" appears under "Device status." Click **OK**.

| 🗄 🚭 Hard disk controllers            |  |
|--------------------------------------|--|
| 🗄 🎯 Keyboard                         |  |
| 🗄 🖳 🖳 Monitors                       |  |
| ⊞                                    |  |
| + # Network adapters                 |  |
| E Nikon 1394 Protocol Device         |  |
| 🔍 🥪 Nikon Digital Camera D1 Series 🎾 |  |
|                                      |  |

| Nikon Digital Camera D1 Series Properties          |
|--|
| General Driver                                     |
| Nikon Digital Camera D1 Series                     |
| Device type: Nikon 1394 Protocol Device            |
| Manufacturer: Nikon Corporation                    |
| Hardware version: Not available                    |
| Device status                                      |
| This device is working properly.                   |
| Device usage<br>☐ Disable in this hardware profile |
| Exists in all hardware profiles                    |
|  |
| OK Cancel  |

Click **OK** to close the System Properties window. Device registration is now complete.

### Reinstalling the Device Driver—Windows Millennium Edition (Me)

If "Nikon 1394 Protocol Device" is listed Other Devices, reinstall the device driver as described below.

### Step 1

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.

### Step 2

The Device Manager sheet will be displayed. Double-click the listing for the Nikon D1X (or D1 or D1H) that appears under "Other Devices" or "Miscellaneous Devices."

### Step 3

The NIKON D1X (or D1 or D1H) Properties dialog will be displayed. Open the General tab and click **Reinstall Driver...**.

| System Properties  | ? × |
|--|-----|
| General Device Manager Hardware Profiles Performance   |     |
| System:<br>Microsoft Windows Me<br>4.90.3000   |     |
| Keyboard     Monitors     Mouse     Muse     Michaet advantars     Michaet Advantars |     |
| NIKON D1X Properties         ?           General         Driver         ?           Provide type:         NIKON D1X           Device type:         Other devices           Manufacturer:         None specified.   | ×   |
| Hardware version: Not available<br>Device status<br>The drivers for this device are not installed (Code 28.) To<br>reinstall the drivers for this device, click Reinstall Driver   |     |
| Reinstall Driver      Device usage      Disable in this hardware profile      Exists in all hardware profiles  |     |
|  |     |

### Step 4

The Update Device Driver Wizard will be displayed. Holding down the shift key to prevent the Select Language dialog from opening automatically, insert the Nikon Capture 4 CD into the CD-ROM drive. Confirm that "Automatic search for a better driver (Recommended)" is selected and click **Next**. The wizard will automatically update the device drivers.

### The Select Language Dialog

If the Select Language dialog appears when the CD is inserted, click the **Quit** button to close the dialog.



The dialog shown at right will be displayed; click **Finish**.



### Step 6

Confirm that "This device is working properly" appears under "Device status" in the General Tab of the Nikon Digital Camera D1 Series Properties dialog. Click **Close**.

| Nikon Digital Camera D1 Series Properties | ? × |
|---|-----|
| General Driver                            |     |
| Nikon Digital Camera D1 Series            |     |
| Device type: Nikon 1394 Protocol Device   |     |
| Manufacturer: Nikon Corporation           |     |
| Hardware version: Not available           |     |
| Device status                             | 5   |
| This device is working properly           |     |
| (   |     |
|   |     |
|   |     |
|   |     |
|   |     |
|   |     |
| - Device usage                            |     |
| Disable in this bardware profile          |     |
| Evidence and have a set floor             |     |
| I ■ Exists in all naruware profiles       |     |
|   |     |
| Close Canc                                | el  |

### Step 7

Click **Close** to close the System Properties window.

| System Pi                               | operties           |                 |                       |           | ? ×        |
|---|--------------------|-----------------|-----------------------|-----------|------------|
| General                                 | Device Manager     | Hardware Pro    | files   Perforn       | nance     |            |
|   |                    |                 |                       |           | 1          |
| ⊛ Vie                                   | w devices by type  | C View          | devices by <u>c</u> i | onnection |            |
|   | omputer            |                 |                       |           | <b></b>    |
| ÷                                       | 1394 Bus Control   | ler             |                       |           |            |
| t de                                    | CDROM              |                 |                       |           |            |
| • • •                                   | Disk drives        |                 |                       |           |            |
| 1 I I I I I I I I I I I I I I I I I I I | Display adapters   |                 |                       |           |            |
|   | Floppy disk contr  | ollers          |                       |           |            |
|   | Hard disk control  | lers            |                       |           |            |
|   | A Neyuualu         |                 |                       |           |            |
|   | Moritors<br>Morise |                 |                       |           |            |
|   | Network adapter:   |                 |                       |           |            |
|   | Nikon 1394 Proto   | -<br>col Device |                       |           |            |
| I T Ť                                   | - 🌚 Nikon Digital  | Camera D1 Ser   | ies                   |           |            |
| ±                                       | Other devices      |                 |                       |           |            |
| . ⊕-∑                                   | Ports (COM & LP    | T)              |                       |           |            |
| œ.                                      | SCSI controllers   |                 |                       |           | <b>-</b> 1 |
| Lin MP                                  | l carrier and      |                 |                       |           | - <u> </u> |
| Pro                                     | perties R          | e <u>f</u> resh | R <u>e</u> move       | Print     |            |
|   |                    |                 |                       |           |            |
|   |                    |                 | Clo                   | se D      | Cancel     |
|   |                    |                 | -                     |           |            |

### Updating the Drivers for the D1—Windows Millennium Edition (Me)

If you are already using the D1 with Nikon View DX or Nikon Capture, you will need to update the camera driver.

### Step 1

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.

### Step 2

The Device Manager sheet will be displayed. Under the entry "Nikon 1394 Device," doubleclick "Nikon Digital Camera D1."

### Step 3

The Nikon Digital Camera D1 Series Properties dialog will be displayed. Open the Driver tab and click **Update Driver...** 

| System Properties  | × |
|--|---|
| Genera Device Manager Hardware Profiles Performance  |   |
| System:<br>Microsoft Windows Me<br>4.90.3000   |   |
| Monitors     Mouse     Maunot Indentees     Mikon 1394 Device     Mikon Digital Camera D1  |   |
| Nikon Digital Camera D1 Series Properties  |   |
| Nikon Digital Camera D1  |   |
| Driver Provider: Nikon Corporation<br>Driver Date: 02-27-2001<br>Digital Signer: Not signed  |   |
| To view details about the driver files loaded for this device, click<br>Driver File Details. To update the driver files for this device, click<br>Update Driver. |   |
|  |   |
| Driver File Details  |   |
| OK Cancel  |   |

### Step 4

The Update Device Driver Wizard will be displayed. Holding down the shift key to prevent the Select Language dialog from opening automatically, insert the Nikon Capture 4 CD into the CD-ROM drive, select "Automatic Search for a Better Driver (Recommended)," and click **Next**. The wizard will automatically update the device drivers.

### The Select Language Dialog

If the Select Language dialog appears when the CD is inserted, click the **Quit** button to close the dialog.



The dialog shown below will be displayed. Select the driver located at "(Drive letter for CD-ROM drive):\" and click  $\mathbf{OK}$ .

| Select Other Driver          |                       |             | ×                 |
|------------------------------|-----------------------|-------------|-------------------|
| Select the driver that you w | ould like to install. |             |                   |
| Driver Description           |                       | Driver Date | Driver Provider   |
| Nikon Digital Camera _       | E:\NIKONDXINF         | 2-8-2001    | Nikon Corporation |
|                              |                       |             |                   |
|                              |                       |             |                   |
|                              |                       |             |                   |
|                              |                       |             |                   |
|                              |                       |             |                   |
|                              |                       |             |                   |
| <u> </u>                     |                       |             |                   |
|                              |                       | ( OK        | Cancel            |

### Step 6

The dialog shown at right will be displayed; click **Finish**.

### Update Device Driver Wizard

| Nikon Digital Camera D1 Series |
|--------------------------------|
| Keack Finish Cancel            |

### Step 7

Confirm that "This device is working properly" appears under "Device status" in the General Tab of the Nikon Digital Camera D1 Series Properties dialog. Click **Close**.

| Nikon Digital Camera D1 Series Properties |
|---|
| General Driver                            |
| Nikon Digital Camera D1 Series            |
| Device type: Nikon 1394 Protocol Device   |
| Manufacturer: Nikon Corporation           |
| Hardware version: Not available           |
| Device status                             |
| This device is working properly.          |
|   |
|   |
|   |
|   |
|   |
| Device usace                              |
| Disable in this bardware profile          |
| Evisto in all barduate profiles           |
| V Exists in all hardware provies          |
|   |
| Close Cancel                              |

Click **Close** to close the System Properties window.



### Troubleshooting

• If "1394 Bus Controller" is not displayed in the Device Manager, if the IEEE 1394 board or card is listed under "Other Devices" or "Miscellaneous Devices," or if the listing for the IEEE 1394 board or card is preceded by a red or yellow warning icon...

...the computer does not recognize the IEEE 1394 board or card. Refer to the documentation provided with your computer or IEEE 1394 board or card for information on registering the board or card with the system.

• If "1394 Bus Controller" is listed in the Device Manager but the entry for the Nikon D1X (or D1 or D1H) does not appear...

... check the following:

- Is the camera on?
- Is the battery fully charged? If you are using an AC adapter (available separately), is it properly connected?
- Is the mode dial set to "PC"?
- Is the IEEE 1394 cable properly connected?

### Windows 98 Second Edition (SE)

### Before You Begin

Confirm that your OHCI-compliant IEEE 1394 interface board or card has been correctly registered with the system.

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.



If "1394 Bus Controller" is not listed in the Device Manager, or if your IEEE 1394 interface board or card is listed as an unknown or miscellaneous device or is preceded by a red or yellow warning icon, follow the instructions in the manual provided with the board to ensure that the drivers are properly installed.

After installing Nikon Capture 4 and restarting the computer, connect your camera to the computer using an IEEE 1394 cable and turn on the camera. The camera is registered automatically.

Follow the instructions below to check that the camera has been correctly registered with the system.

### Step 1

Once registration is complete, check that the D1X (or D1 or D1H) has been correctly registered with the system. Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.

| System Properties   |                                | ? × |
|---|--------------------------------|-----|
| General Device Manager Hard   | ware Profiles   Performance    |     |
|   | System:                        |     |
|   | Microsoft Windows 98           |     |
| 100 Contest 100 | 5 econd Edition<br>4 10 2222 Δ |     |
|   |                                |     |

### Updating the Drivers for the D1

If you are already using the D1 with Nikon View DX or an earlier version of Nikon Capture, you will need to update the camera drivers as described in "Updating the Drivers for the D1" (1) (5).

### Before Connecting the Camera

Be sure to install Nikon Capture 4 before connecting your camera to the computer.

The Device Manager sheet will be displayed. After confirming that "Nikon 1394 Protocol Device" is listed in the Device Manager, click the "+" sign to its left.

If no "Nikon 1394 Protocol Device" listing appears or if "NIKON D1X" (or "D1" or "D1H") is listed under **Other Devices**, reinstall the device driver as instructed in "Reinstalling the Device Driver" (**W** 62).

If "Nikon 1394 Protocol Device" is not listed in the Device Manager and "NIKON D1X" (or "D1" or "D1H") is not listed under **Other Devices**, disconnect the camera, and restart the computer. When the computer has restarted, reconnect the camera to the computer.

### Step 3

After confirming that "Nikon Digital Camera D1 Series" is listed under "Nikon 1394 Protocol Device," double click the listing to open the Properties window.

### Step 4

The Nikon Digital Camera D1 Series Properties dialog will be displayed. Click the General tab and confirm that "This device is working properly" appears under "Device status." Click **OK**.

Click **OK** to close the System Properties window. Device registration is now complete.



| Nikon Digital Camera D1 Series Properties ?X                                    |
|---|
| General Driver  |
| Nikon Digital Camera D1 Series  |
| Device type: Nikon 1394 Protocol Device   |
| Manufacturer: Nikon Corporation   |
| Hardware version: Not available   |
| Device status<br>This device is working property.                               |
| Device usage  Disable in this hardware profile  Exists in all hardware profiles |
| OK Cancel   |



### Reinstalling the Device Driver—Windows 98 Second Edition (SE)

If "Nikon 1394 Protocol Device" is listed under Other Devices, reinstall the device driver as described below.

### Step 1

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.

### Step 2

The Device Manager sheet will be displayed. Double-click the listing for the Nikon D1X (or D1 or D1H) that appears under "Other Devices" or "Miscellaneous Devices."

### Step 3

The NIKON D1X (or D1 or D1H) Properties dialog will be displayed. Open the General tab and click **Reinstall Driver**.

| System Properties   |   | ? × |
|---|---|-----|
| General Device Manager Hard   | ware Profiles Performance<br>System:<br>Microsoft Windows 98<br>Second Edition<br>4.10.2222 A |     |
| B-S Mouse<br>B B Network adapters<br>C Other devices<br>- ♀ NIKON D1X |   |     |

| NIKON D1X Properties  |
|---|
| General Driver  |
|   |
| Device type: Other devices                                    |
| Manufacturer: None specified.                                 |
| Hardware version: Not available                               |
| Device status   |
| reinstall the drivers for this device, click Reinstall Driver |
|   |
| Device usage  |
| Disable in this hardware profile                              |
| Exists in all hardware profiles                               |
| OK Cancel   |

### Step 4

The Update Device Driver Wizard will be displayed; click **Next**.



The dialog shown at right will be displayed. Select "Search for a better driver than the one your device is using now. (Recommended)" and click **Next**.

| Update Device Driver V | √izard                          |
|------------------------|---------------------------------|
|                        | What do you want Windows to do? |
|                        | < Back Next > Cancel            |

### Step 6

The dialog shown at right will be displayed. Holding down the shift key to prevent the Select Language dialog from opening automatically, insert the Nikon Capture 4 CD into the CD-ROM drive. Select **CD-ROM drive** and click **Next**.

### The Select Language Dialog

If the Select Language dialog appears when the CD is inserted, click the **Quit** button to close the dialog.

### Step 7

A dialog will be displayed stating that Windows has found the drivers for "Nikon Digital Camera D1 Series"; click **Next**.

### No Driver Found

If the message, "Windows was unable to find a suitable driver for this device," is displayed, this may indicate that the Nikon Capture 4 CD was not correctly inserted in the CD-ROM drive or that the correct search location was not specified. Click **Back** to return to the dialog shown in Step 6, where you can confirm that the correct location has been specified.



| Update Device Driver Wizar                         |  |
|--|--|
| Vi<br>de<br>de<br>de<br>de<br>de<br>de<br>de<br>de | Idows driver file search for the device:<br>(ikon Digital Camera D1 Series<br>Idows is now ready to install the best driver for this<br>ice. Click Back to select a different driver, or click Next<br>soliton of driver:<br>D:\NIKONDXINF |
|  | < Back Next > Cancel   |

The dialog shown at right will be displayed; click **Finish**.



### Step 9

Confirm that "This device is working properly" appears under "Device status" in the General Tab of the Nikon Digital Camera D1 Series Properties dialog. Click **Close**.

| likon Dig | ital Cam              | iera D1 S             | eries Prop        | perties | ? : |
|-----------|-----------------------|-----------------------|-------------------|---------|-----|
| General   | Driver                |                       |                   |         |     |
|           | Nikon E               | )igital Came          | era D1 Serie      | 25      |     |
| Device    | type:                 | Nikon 13              | 94 Protoco        | Device  |     |
| Hardwa    | cturer:<br>re versior | NiKon Lo<br>Not avail | rporation<br>able |         |     |
| Devic     | e status-             |                       | 3010              |         |     |
| This      | device is             | working pr            | operlu            |         |     |
| <u> </u>  | device is             | -working pr           | openy.            |         |     |
|           |                       |                       |                   |         |     |
|           |                       |                       |                   |         |     |
|           |                       |                       |                   |         |     |
|           |                       |                       |                   |         |     |
| Davia     |                       |                       |                   |         |     |
|           | e usaye<br>Ticable in | this hardw            | are profile       |         |     |
|           |                       |                       | are prome         |         |     |
|           | anists in a           | ii naidwale           | promes            |         |     |
|           |                       |                       |                   |         |     |
|           |                       |                       |                   |         |     |

### Step 10

Click **Close** to close the System Properties window.

| System Properties |                    |                            | ?×             |
|-------------------|--------------------|----------------------------|----------------|
| General Device M  | anager Hardware    | Profiles Performa          | ince           |
|                   |                    |                            |                |
| View devices I    | by type C Vi       | iew devices by <u>c</u> on | nection        |
| Computer          |                    |                            | <b>_</b>       |
| ⊞ 🥪 1394 Bus      | Controller         |                            |                |
|                   |                    |                            |                |
| Disk unve         | tanters            |                            |                |
| Eloppy di         | sk controllers     |                            |                |
| 🕀 🚭 Hard disk     | controllers        |                            |                |
| 😟 🎯 Keyboard      |                    |                            |                |
| 🕀 🥥 Modem         |                    |                            |                |
| H B Monitors      |                    |                            |                |
| Mouse Network     | adapters           |                            |                |
| i⊟ - S⊋ Nikon 13  | 34 Protocol Device |                            |                |
| Nikor             | Digital Camera D1  | Series                     |                |
| 🕀 🔷 😥 🕀 🗄         | socket             |                            |                |
| E Ports (CO       | M & LPT)           |                            | -              |
| I the set Canada  |                    | ··-"                       |                |
| Properties        | Refresh            | R <u>e</u> move            | Pri <u>n</u> t |
|                   |                    |                            |                |
|                   |                    | Close                      | e Cancel       |

### Updating the Drivers for the D1—Windows 98 Second Edition (SE)

If you are already using the D1 with Nikon View DX or Nikon Capture, you will need to update the camera driver.

### Step 1

Click the **My Computer** icon on the desktop with the right mouse button and select **Properties** from the menu that appears. The System Properties dialog will be displayed; click the Device Manager tab.

### Step 2

The Device Manager sheet will be displayed. Under the entry "Nikon 1394 Device," doubleclick "Nikon Digital Camera D1."

### Step 3

The Nikon Digital Camera D1 Series Properties dialog will be displayed. Open the Driver tab and click **Update Driver...**.

| System Properties  | ?×      |
|--|---------|
| System:<br>Microsoft Windows 98<br>Second Erblins  |         |
| Mouse     Mixon 1394 Device     Nikon Digital Camera D1  |         |
| Nikon Digital Camera D1 Series Properties  | ? ×     |
| Provider: Nikon Corporation<br>Date: 2-27-2001   |         |
| To view details about the driver files loaded for this device, click<br>Driver file Details. To update the driver files for this device, click<br>Update Driver. |         |
| Driver File Details  |         |
| OK Cance   | <u></u> |

### Step 4

The Update Device Driver Wizard will be displayed; click **Next**.



The dialog shown at right will be displayed. Select "Search for a better driver than the one your device is using now. (Recommended)" and click **Next**.

## Update Device Driver Wizard

|        | What do you want Windows to do?  |
|--------|--|
|        | Search for a better driver than the one your device is using now. (Recommended)                  |
|        | Display a list of all the drivers in a specific location, so you can select the driver you want. |
| જી_ર≎ા |  |
|        |  |
|        |  |
|        | < <u>B</u> ack Next > Cancel   |

### Step 6

The dialog shown at right will be displayed. Holding down the shift key to prevent the Select Language dialog from opening automatically, insert the Nikon Capture 4 CD into the CD-ROM drive. Select **CD-ROM drive** and click **Next**.

### The Select Language Dialog

If the Select Language dialog appears when the CD is inserted, click the **Quit** button to close the dialog.

### Step 7

A dialog will be displayed stating that Windows has found the drivers for "Nikon Digital Camera D1 Series." Click **Next**.

### No Driver Found

If the message, "Windows was unable to find a suitable driver for this device," is displayed, this may indicate that the Nikon Capture 4 CD was not correctly inserted in the CD-ROM drive or that the correct search location was not specified. Click **Back** to return to the dialog shown in Step 6 where you can confirm that the correct location has been specified.



| Jpdate Device Driver Wizard |                   |  |  |  |
|-----------------------------|-------------------|--|--|--|
|                             | ) i findouro drir |  |  |  |

| Windows driver file search for the device:  |
|---|
| Nikon Digital Camera D1 Series  |
| Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.<br>Location of drive:<br>O:NIKONDX.INF |
| < Back (Next>) Cancel   |

The dialog shown at right will be displayed; click **Finish**.

### Restart

If a message is displayed prompting you to restart Windows, click **Restart**.



### Step 9

Confirm that "This device is working properly" appears under "Device status" in the General Tab of the Nikon Digital Camera D1 Series Properties dialog. Click **Close**.

| likon Digit | al Cam    | era D1 Ser    | ies Prop  | erties |   | ?>     |
|-------------|-----------|---------------|-----------|--------|---|--------|
| (General)   | Driver    |               |           |        |   |        |
|             | Nikon D   | igital Camera | D1 Serie  | s      |   |        |
| Device ty   | pe:       | Nikon 1394    | Protocol  | Device |   |        |
| Manufac     | turer:    | Nikon Corp    | oration   |        |   |        |
| Hardware    | e version | : Not availat | le        |        |   |        |
| Device      | status    |               | 7         |        |   |        |
| This c      | levice is | working prop  | perly.    |        |   |        |
|             |           |               |           |        |   |        |
|             |           |               |           |        |   |        |
|             |           |               |           |        |   |        |
|             |           |               |           |        |   |        |
|             |           |               |           |        |   |        |
| Device      | usage -   |               |           |        |   |        |
| ΓD          | sable in  | this hardwar  | e profile |        |   |        |
|             | ists in a | l hardware p  | ofiles    |        |   |        |
|             |           |               |           |        |   |        |
|             | _         |               |           |        | 0 |        |
|             |           |               | U         | Close  |   | Cancel |

### Step 10

Click **Close** to close the System Properties window.

| System Properties                                     |
|---|
| General Device Manager Hardware Profiles Performance  |
| View devices by type     O View devices by connection |
|   |
| Properties Refresh Remove Print                       |
| Close Cancel  |

### Troubleshooting

• If "1394 Bus Controller" is not displayed in the Device Manager, if the IEEE 1394 board or card is listed under "Other Devices" or "Miscellaneous Devices," or if the listing for the IEEE 1394 board or card is preceded by a red or yellow warning icon...

...the computer does not recognize the IEEE 1394 board or card. Refer to the documentation provided with your computer or IEEE 1394 board or card for information on registering the board or card with the system.

• If "1394 Bus Controller" is listed in the Device Manager but the entry for the Nikon D1X (or D1 or D1H) does not appear...

... check the following

- Is the camera on?
- Is the battery fully charged? If you are using an AC adapter (available separately), is it properly connected?
- Is the mode dial set to "PC"?
- Is the IEEE 1394 cable properly connected?

## Macintosh

This section explains how to install and uninstall Nikon Capture 4, and how to connect your camera and insert the camera memory card in a card reader or PC card slot.

## **Installing Nikon Capture 4 on a Macintosh**

Before installing Nikon Capture 4, make sure that your computer meets the following system requirements.

| OS                                    |               | Mac OS 9.0.4–9.2.2*, Mac OS X (version 10.1.5 or later)   |  |  |
|---------------------------------------|---------------|---|--|--|
| Model                                 |               | Built-in USB or FireWire port required  |  |  |
| RAM                                   |               | <ul> <li>Mac OS X: 256 MB (768 MB or more recommended)</li> <li>Mac OS 9: memory allocation of 64 MB or more to Nikon Capture 4 Camera<br/>Control, 512 MB or more to Nikon Capture 4 Editor</li> </ul> |  |  |
| Hard-disk                             | space         | 200 MB required for installation  |  |  |
| Video<br>resolution                   |               | 800×600 pixels or more with 16-bit color (High Color/thousands of colors). 24-<br>bit color (True Color/millions of colors) recommended.  |  |  |
|                                       | Fire<br>Wire⁺ | Built-in FireWire interface required for connection to D1, D1x, and D1 $_{\rm H}$   |  |  |
| Interface                             | USB**         | <ul> <li>Built-in USB interface</li> <li>RATOC REX-PCIU3U USB interface board (USB 2.0; for use only with D2-series under Mac OS X)</li> </ul>  |  |  |
| Supported cameras<br>(Camera Control) |               | D2-series, D1-series, D100 <sup>++</sup> , D70s, D70, and D50   |  |  |
| Other                                 |               | <ul> <li>CD-ROM drive required for installation.</li> <li>Internet connection required for some options.</li> </ul>   |  |  |

\* With CarbonLib version 1.6 or later.

† The camera may not function as expected when connected to an FireWire hub.

\*\* The camera may not function as expected when connected to a USB hub or keyboard.

++ Camera firmware version 2.00 or later.

### Before installing Nikon Capture 4

Before installing Nikon Capture 4:

- Uninstall any earlier versions of Nikon Capture.
- Nikon Capture 4 version 4.3 can be used with either PictureProject or the latest version of Nikon View. For information on the latest Nikon software, visit the websites listed on page 2 of the *Nikon Capture 4 User's Manual.*

• Exit all applications, including any virus-checking software that may be running.

### Before Starting Nikon Capture 4 Camera Control (D2-series/D100/D70s/D70/D50 Only)

If you are using a D2-series, D100, D70s, D70 or D50 digital camera, set the USB option in the camera setup menu to PTP before starting Nikon Capture 4 Camera Control.

### 🖉 Mac OS X

The administrator password is required when installing Nikon Capture 4 under Mac OS X.
Start the computer and insert the Nikon Capture 4 installer CD in a CD-ROM drive. Doubleclick the **Nikon Capture 4** CD-ROM icon on the desktop, then double-click the **Welcome** icon. Depending on the country of purchase, a "Select Region" dialog may be displayed. Select a region and click **Next**. A language-selection dialog will be displayed; select a language and click **Next**. The "Install Center" window will be displayed. The Install Center window contains the following tabs. To interrupt installation and close the Install Center window, click **Quit**.



#### Macintosh

# Installing Software

If you are installing software from the Software tab, you can begin installation simply by clicking the **Install** button. If you are installing software from the Custom Install tab, you have to go through two steps: selecting the software and installing the software.

#### Step 1: Select software

Select the programs you want to install from the list in the Custom Install tab.

### Nikon Capture 4

Check this option to install Nikon Capture 4.





Software tab

Custom Install tab

#### Step 2: Install software

To begin installation, click **Install**. If more than one item is selected in the Custom Install tab, software will be installed in the order listed.

# 🖉 Product Key

If prompted to supply a product key when starting Nikon Capture 4 Editor or Nikon Capture 4 Camera Control, enter the product key supplied on the Nikon Capture 4 CD case.

#### 2.1—Install Nikon Capture 4

If you opted to install Nikon Capture 4, it will be installed first.

### 2.1.1—Start the installer

Installation of Nikon Capture 4 opens with the dialog shown below.



Click **Continue...** to start the installer.

#### 2.1.2—Accept the license agreement

The license agreement will be displayed. After making sure that you have read and understood the contents of the agreement, click **Accept** to continue installation.

| License   |   |
|---|---|
| Nikon Corporation   | m |
| License Agreement   | н |
| This Nikon License Agreement ("Agreement") is a legal agreement between you (either an individual<br>or single entity) and Nikon Corporation ("Nikon") setting forth the terms and conditions for your use<br>of the Nikon software accompanying this Agreement which includes computer software and may<br>include associated media, printed materials, and "online" or electronic documentation ("SOFTWARE").<br>By installing or downloading the SOFTWARE you indicate your acceptance of this Agreement and are<br>agreeing to be bound by the terms of this Agreement. If you do not agree to the terms of this<br>Agreement, you are not authorized to install, download or use the SOFTWARE.<br>This license is not a sale of the SOFTWARE and you do not become the owner of the SOFTWARE<br>through your install, download or use. Nikon and/or Nikon's licensor retain ownership of the<br>SOFTWARE and all copies thereof, and reserves all rights not expressly granted to you under this<br>Agreement. This Agreement constitutes the complete and exclusive agreement, oral or written,<br>between us or any associated company of our srelating to the SOFTWARE. | U |
| 1. GRANT OF LICENSE   | H |
| Nikon grant you a nonexclusive license ("LICENSE") which allows you to:<br>a) Use the SOFTWARE only on any single computer. You must obtain a supplementary license from<br>Nikon before using the SOFTWARE in connection with systems, multiple central processing unit,   | 4 |
| Print Save As Decline Accept  | ) |

The ReadMe file will then be displayed. Take a few moments to view this file, which may contain important information that could not be included in the manual.

After viewing the ReadMe file, click **Continue...**.

#### Installing Nikon Capture 4 under Mac OS X

The administrator password is required when installing Nikon Capture 4 under Mac OS X.

| res that you type |
|-------------------|
|                   |
|                   |
|                   |
| Cancel OK         |
| 0                 |

| 2.1.3—Choose Easy Install   |  |
|---|--|
| Choose <b>Easy Install</b> from the pull-down                         | Nikon Capture Installer  |
| menu in the top left corner of the Nikon<br>Capture Installer dialog. | Easy Install  Click the "Install" button to install -Nikon Capture Editor -Nikon Capture Control -Nikon NEF Plugin |
|   | Install Location Quit Rems will be installed on the disk "Machintosh HD" Install                                   |
| 2 1 4—Confirm the install destination                                 |  |
| The disk and folder to which Nikon Canture 4                          | Nikon Capture Installer  |
| will be installed are listed under "Install Lo-                       | Focu Install   |
| cation."  | Click the "Install" button to install<br>- Nikon Capture Editor<br>- Nikon NEF Plugin                              |
|   | Install Location     Quit     Items will be installed on the disk "Machintosh HD"     Install                      |
| 2 1 5—Start the installer   |  |
| Click <b>Install</b> in the Nikon Canture Installer di-               | Nikon Capture Installer  |
| alog to begin installation of Nikon Canture 4                         | Fasy Install   |
| A progress meter will be displayed during installation.               | Click the "Install" button to install<br>-Nikon Capture Editor<br>-Nikon Capture Control<br>-Nikon PP Plugin       |

# Earlier Versions of Nikon Capture

Before you can install Nikon Capture 4, you must uninstall any earlier versions of Nikon Capture.

Install Location

will be installed on the disk "Machintosh HD"

# Create Aliases (Mac OS 9 Only)

After you click Install in the Nikon Capture Installer dialog, a dialog will be displayed asking whether you wish to create aliases for Nikon Capture 4 Editor and Nikon Capture 4 Camera Control on the desktop. Click **Yes** to create these aliases, or **No** to exit without creating aliases.

| Make Alias                                    |   |  |
|---|---|--|
| Nikon Capture Editor<br>Nikon Capture Control | Ш |  |
| Do you want to create alias for this          | • |  |
| application on your Desktop?                  |   |  |
| NO Yes  | J |  |

Quit

Install

#### 2.1.6— Selecting a Plug-ins Folder (Mac OS 9)

If multiple copies of Photoshop are installed, a selection dialog will be displayed. Choose a destination for the Nikon NEF plug-in from the listed copies of Photoshop and click **Continue**.

#### 2.1.7—Personalize your copy of Nikon Capture 4

Enter your name and company (if applicable) to personalize your copy of Nikon Capture 4.

Clicking **OK** will display a confirmation dialog; if the information you entered is correct, click **Yes** to proceed to the next step. To change the information you entered, click **No**.

| lease type your name and con | npany in the spaces provided. |
|------------------------------|-------------------------------|
| Name :                       | ]                             |
| Company :                    |                               |

2.1.8—Choose default color management settings To use the color-space profile embedded in images opened in Nikon Capture 4, choose (A) Use the color space of the file to be opened as the working color space for Nikon Capture 4. To choose a default RGB color-space profile for the working color space in Nikon Capture 4, choose (B) Always use the default RGB color space set below as the working color space for Nikon Capture 4. Click OK to put changes into effect and proceed to the next step.

| iys  |  |   |                                    |
|--|--|---|------------------------------------|
| 000  | About Color  | Management  |                                    |
| Configures settings for<br>Settings made here ca                           | or Nikon Capture 4 color n<br>an be changed in Preferenc                   | ianagement.<br>ces after installation.                        |                                    |
| Working Color Space  | Settings   |   |                                    |
| (A) Use the colo<br>Nikon Captu  | r space of the file to be op<br>re 4.                                      | ened as the working color sp                                  | ace for                            |
| O (B) Always use t<br>for Nikon Ca   | ne default RGB color space<br>pture 4.                                     | set below as the working co                                   | lor space                          |
| The default RGB color<br>the color space of the<br>color space when (B)    | space will be used as the<br>file to be opened is unkn<br>is selected.     | working color space when (A<br>own. It will be always used a  | ) is selected and<br>s the working |
| For Mac OS X, the def<br>Document Profiles pa                              | ault RGB color space is sel<br>nel : RGB Default.                          | ected in System Configuratio                                  | n : ColorSync :                    |
| For Mac OS 9, the def<br>Profiles for Document                             | ault RGB color space is sel<br>t : RGB Default.                            | ected in Control Panel : Colo                                 | rSync : Default                    |
| Press the "Open Color<br>display the RGB color                             | Sync Settings" button belo<br>spaces you can set with C                    | w to open the settings scree<br>olorSync.                     | n. The screen will                 |
| In addition to the colo<br>spaces installed in yo<br>press the "Color spac | or spaces recommended b<br>ur system. For informatio<br>e details" button. | / Nikon, the screen will show<br>n on the RGB color spaces Ni | all the color<br>kon recommends,   |
| Color spa  | ce details   | ColorSync   | settings                           |
| Color spa  |  | OK  | ( )                                |

When **(B)** Always use the default RGB color space set below as the working color space for Nikon Capture 4 is selected, the ColorSync settings button will be active. Click this button to display the ColorSync dialog. After opening the Default Profiles tab (Mac OS X) or opening the Profiles tab and selecting Default Profiles for Documents (Mac OS 9), choose the default working RGB color space from the RGB Default menu.

|                                    |  |                                   |                              |                      | ColorSync  |    |
|------------------------------------|--|-----------------------------------|------------------------------|----------------------|--|----|
| 000                                | Preferences  | 0                                 | Profiles                     | CMM                  | <i>i</i> ]   | 0  |
| Preferences Profile First Aid Prof | Files Devices Filters  |                                   | Use this pan<br>profiles for | el to spe<br>documer | cify profiles for standard devices or default<br>ts. |    |
|                                    | Default Profiles CMMs  |                                   | RGB Defa                     | Profile<br>ult:      | s for Documents 🔶                                    | •  |
| Use this panel t<br>be used when a | o specify default profiles for each<br>document does not contain emb | color space to<br>edded profiles. | CMYK Det                     | ault:                | Generic CMYK Profile                                 | \$ |
| RGB Default:                       | Generic RGB Profile  | •                                 | Gray Defa                    | ault:                | Generic Gray Profile                                 | \$ |
| CMYK Default:                      | Generic CMYK Profile   | :                                 | Lab Defa                     | ult:                 | Generic Lab Profile                                  | ÷  |
| Gray Default:                      | Generic Gray Profile   | •                                 |                              |                      |  |    |
|                                    |  |                                   |                              |                      |  |    |
|                                    |  |                                   | L                            |                      |  | _  |

Mac OS X

Mac OS 9

Clicking **Color space details** displays a description of the different color-space profiles. Use this explanation to help you choose a color-space profile.



The default output color-space profile can be changed at any time after installation in the Color Management tab of the Nikon Capture 4 Editor or Nikon Capture 4 Camera Control Preferences dialog.

2.1.9—Complete installation of Nikon Capture 4

The following dialog is displayed when installation of Nikon Capture 4 is complete. Click **Quit** to proceed to the next step.



#### Add to Dock (Mac OS X)

The dialog shown at right will be displayed when Nikon Capture 4 Editor and Nikon Capture 4 Camera Control are installed. Click **Yes** to add these components to the Dock, or **No** to exit without adding these components to the Dock.

| Add to Dock                                   |
|---|
| Nikon Capture Editor<br>Nikon Capture Control |
| Add above application to Dock.                |
| No Yes  |

2.2—Restart the computer Click **Restart** to restart the computer.



# **Connecting to a Computer**

Before connecting your camera to a Macintosh computer for the first time, make sure that you install Nikon Capture 4. After installing Nikon Capture 4, turn the camera on and connect it to the computer, or insert the memory card into a card reader or a PC card slot.

For more information about connecting your camera to a computer, see the documentation provided with your camera.

D1-Series (Firewire Interface)



D2-Series /D100/D70s/D70/D50 (USB Interface)



# V Use a Reliable Power Source

To ensure that data transfer is not interrupted, be sure that the battery is fully charged. If in doubt, charge the battery before use or use an AC adapter (available separately). If the battery is exhausted during transfer, transfer will be interrupted and data may be lost.

# Using a PC Card Slot

When inserted in a PC-card adapter (available separately), the camera memory card functions as a Type II PCMCIA ATA card, allowing images to be read from the card.

# Inserting a Memory Card

Remove the memory card from the camera and insert it in the adapter.



Insert the adapter into a PCMCIA TYPE II ATA card slot on your computer. For more information on inserting the adapter, see the documentation provided with your computer.



Depending on your computer's operating environment, you may need to install software, register the card adapter, or adjust OS settings when the adapter is inserted into the card slot. For more information, refer to the instruction manual for your operating system.

# Using a Card Reader

Images on the memory card can also be viewed using a card reader.

# Inserting a Memory Card

After removing the memory card from the camera, insert it in the card reader and connect the reader to the computer. See the documentation provided with the card reader for more information on connecting it to a computer.



# Uninstall

# Uninstalling Nikon Capture 4

This section describes how to uninstall the Macintosh versions of Nikon Capture 4.

# **Uninstalling Nikon Capture 4**

Insert the Nikon Capture 4 CD into a CD-ROM drive and start the Nikon Capture 4 installer as described on pages 72–73 of "Installing Nikon Capture 4 on a Macintosh."

2 Select **Uninstall** from the menu at the top left corner of the Nikon Capture Installer dialog.

| 000   | Nikon Capture Installer            |                   |
|---|------------------------------------|-------------------|
| Uninstall   | •                                  | Read Me           |
| Click the "Uninstall" butt<br>• Nikon Capture Editor<br>• Nikon Capture Control | on to uninstall                    |                   |
| Install Location  | d from the disk "Machintosh HD_En" | Quit<br>Uninstall |

 ${f 3}$  Click the **Uninstall** button at the bottom right corner of the Nikon Capture Installer dialog.

**4** Once Nikon Capture 4 has been removed from your system, the dialog shown below will be displayed. Click **ok**.





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