The UPX-C200 utility software allows you to load photographs from a camera, select an appropriate layout for them, and then print them.

This document explains how to use the UPX-C200 utility software.

**Operation Steps** ................................................................. (page 2)
A description of the steps involved, from connecting the necessary equipment through printing.

**Setup** .................................................................................. (page 3)
An description of the connection and installation.

**Basic Operation** .................................................................. (page 6)
An description of the basic utility software operations, from loading photographs through printing.

**Advanced Features** ............................................................. (page 13)
An description of the various advanced features of this software.

**Miscellaneous** .................................................................... (page 33)
An description of how to install the camera device driver.
Connection
Connect the camera and printer(s) to the computer. Have the camera and printer(s) user's guides handy, and the software utility CD-ROM, which contains documentation.

Installation
Install the required device drivers and software.

Selection of the Photographs and Layout
Select the photographs to be printed, as well as their layout and sizes.

Printing
System Requirements

Your system must meet the following requirements to use the UPX-C200 utility software.

**Operating system**

**CPU**
Pentium II, 400 MHz or more

**Memory**
64 MB or more (128 MB recommended)

**Interface**
2 or more USB ports

**Display**
24-bit color, 800 × 600-pixel resolution or higher

**Note**
NEC PC-98, NEC PC-98 series-compatible, and Macintosh computers are not compatible with the UPX-C200 utility software.

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Connecting the Camera and Printer to Your Computer

Use generic USB and/or SCSI cables to connect the camera and printer(s) to your computer. Also, you can use a generic USB hub and/or SCSI cables to connect several printers to your computer and print photographs from the selected printer.

Note
When connecting a computer using a USB cable, depending on the type of computer, normal operation may not be obtained. In such a case, use a generic USB hub.

💡 Hint
You can simultaneously connect up to three UP-DX100 and two UP-DR100 to your computer.
Installation

Install the device drivers necessary to use this software and the utility software.

**Note**
When installing the device driver and/or utility software on Windows XP or Windows 2000 computers, make sure to log on to your computer with administrator access privileges.

**Installing the Camera Device Driver**

See “Installing the Camera Device Driver” (page 33) when performing the installation.

**Installing the Printer Device Driver**

*With the UP-DX100*
Refer to the printer driver installation guide in the \Printer\Document folder on the UPX-C200 CD-ROM when performing the installation.

*With the UP-DR100*
Refer to the UP-DR100 documentation when performing the installation.

**Installing the UPX-C200 Utility Software**

**Note**
Before installing a new version of the UPX-C200, make sure that you remove any older versions from your computer.

1. **Insert the UPX-C200 CD-ROM into the CD-ROM drive of your computer.**

2. **Double-click “setup.exe” in the Utility folder on the CD-ROM.**
   - The UPX-C200 utility software installation wizard starts.

3. **Follow the instructions on the screen to install the UPX-C200 utility software.**
Starting the Utility Software

Note
Verify the following before you proceed. For details about the various handling procedures, refer to the appropriate documentation.

• Make sure that the camera’s USB Class setting is “ORIGINAL”.
• The camera and printer are correctly connected to your computer.
• The camera, printer, and computer are all on.
• The printer contains paper.

1 Turn on the computer.
Windows starts.

2 On the “Start” menu, point to “All Programs” (or “Programs”, depending on your operating system), “Sony UPX-C200”, and then click “UPX-C200 Utility”.
The UPX-C200 utility software starts and the Sony UPX-C200 window appears.

Closing the Utility Software
To close the utility software, simply click Exit.
The Sony UPX-C200 window contains the following two areas.

**Thumbnail Display**
Photographs loaded to the utility software are displayed here as thumbnails. Use this area to load photographs, select the photographs that you want to print, as well as save and delete loaded photographs.

**Layout Display**
The photographs selected in the thumbnail display are laid out here. You can change the layout and colors of the photographs in the layout display.
Printing

This section explains how to load photographs from your camera, select photographs and their layout, and print them.

1. On the “Option” menu, click “Printer Select”.

![Printer Select dialog box]

The “Printer Select” dialog box appears.

2. Select a printer.

   ① Select the desired type of printer, “UP-DX100” or “UP-DR100”.
   
   ② If there is more than one printer connected to your computer, select the appropriate printer on the list.

   ③ Click “OK”.

Hint

The remainder of the printing procedure is similar whether you select a UP-DX100 or a UP-DR100. We have used the UP-DX100 to illustrate.

3. On the “Option” menu, click “Size Unit”, and then select the units that you want to use, “mm” (millimeters) or “inch” (inches).

![Size Unit selection]

Note

By default, the utility software uses millimeters.
4 Click the “Camera” tab.

5 Click ![Load from Camera](image). The photographs are loaded from the camera and appear in the thumbnail display.
6 In the thumbnail display, click the photographs to be printed.
   The photographs that you click appear in the layout display.

   ![Thumbnail display with selected photographs]

   **Note**
   The layout in the example above and the layout on your screen may be different. Do not worry, you can change the layout later.

   **Hints**
   • It is possible to select multiple photographs. For example, it is possible to select and print only the necessary photographs from a collection of class photographs.
   • Click **All Select** to select all the photographs in the thumbnail display. **All Select** then becomes **All Deselect**.
   • Click a selected photograph to clear the selection. If you want to deselect all the selected photographs at once, click **All Deselect**.

7 Select the paper size.
   The available paper sizes depend on the printer selected in the “Printer Select” dialog box. Select a paper size that matches the paper size in the selected printer.
   **UP-DX100**: UPC-X34, UPC-X45, or UPC-X46
   **UP-DR100**: UPC-R35A, UPC-R46A, UPC-R57A, or UPC-R68A

   **Note**
   Before printing, make sure that the paper selected here and the appropriate ink ribbon are set in the printer.
Hint

If you select “UPC-R57A” or “UPC-R68A” as the paper size, photographs are invariably printed using full bleed printing.

8 Choose a layout.

① In the layout display, click [Photo Size]. The “Photo Size” dialog box appears.

Note

If you are using a UP-DR100 and select “UPC-R57A” or “UPC-R68A” as the paper size, you cannot click [Photo Size] and choose a layout.

② Click the desired layout. A frame appears around the selected layout.

③ Click “OK”. The “Photo Size” dialog box closes and the selected layout appears in the layout display.

Hint

The example above is that of six copies of the same photograph on one sheet. You can just as easily lay out several different photographs or photographs of different sizes on one sheet. For details, see “Changing the Layout” (page 19).
9 Specify the number of copies.
Use the arrow buttons to specify the number of desired copies in the “Copies” box. You can specify between 1 and 9 copies.

10 Click PRINT.
The selected photographs are printed.

**Note**
If the paper and ink ribbon matching the paper size selected in step 7 are not set in the printer an error message appears. Make sure that they are set in the printer before clicking PRINT.
Advanced Features

This section explains the various advanced features of this software. The use of the features described here are similar whether you use a UP-DX100 or UP-DR100. We have used the UP-DX100 to illustrate.

Saving photographs to your computer

Changing the colors and color tone of photographs

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### Saving Photographs on Your Computer

You can save photographs loaded from the camera on your computer. By saving photographs on your computer, you can load them to the utility software whenever necessary.

1. Click the “Camera” tab.
2. In the thumbnail display, click the photograph that you want to save on your computer.
   The selected photograph appears in the layout display.
3. **Click** [Save to PC](#) at the bottom of the screen.
   A dialog box allowing you to specify the name of the file appears.
In the dialog box, specify the location where you want to save the photograph.
When files are loaded to the utility software, they are automatically assigned a name of the “date_sequential number.jpg” format.
Example: 20030515_0001.jpg

You can only change the date segment of the file name. When you change the file name, only use alphanumeric characters.

Note
You cannot use any of the following characters in file names:
/ : * ? " < > |

Click “OK”.
The dialog box closes and the photograph is saved in the specified location.

Loading Photographs from Your Computer

Load photographs saved on your computer as follows.

Note
You cannot load photographs taken with cameras other than the UPX-C200. Saving photographs to your computer and processing them (even photographs taken with the UPX-C200) prevents you from loading them to the utility software.

1 Click the “PC” tab.

2 In the thumbnail display, click Load from PC  .
A dialog box allowing you to select the location of your photographs appears.

3 Select the location of your photographs and click “OK”.
The photographs in the selected folder are loaded to the utility software and displayed in the thumbnail display.

Note
The images loaded with the procedure above cannot be moved to a different folder or overwritten.
Deleting Photographs

1 In the thumbnail display, click the photographs that you want to delete. The selected photographs appear in the layout display.

2 Click at the bottom of the screen. A confirmation dialog box appears.

3 Click “OK”. The selected photographs are deleted.

Note
Deleted photographs cannot be restored.

Hint
You can use to protect photographs from being deleted. For details, see “Protecting Photographs From Deletion” (page 16).
Protecting Photographs From Deletion

By protecting photographs, you can avoid accidentally deleting them.

1. In the thumbnail display, click the photographs that you want to protect.
   The selected photographs appear in the layout display.

2. Click the button at the bottom of the screen.
   A shortcut menu appears.

ON
OFF
3 Click “ON”.
The selected photographs are protected. A mark is displayed on each protected photograph.

Hints
• You can also use protection as a means of marking photographs once they are printed. This makes it easy to keep track of photographs being printed when you print the same photographs more than once.
• Photographs protected in the camera are also protected when loaded to the utility software and are displayed as such in the thumbnail display.

Removing the Protection

1 In the thumbnail display, click the photographs from which you want to remove the protection.
The selected photographs appear in the layout display.

2 Click at the bottom of the screen and click “OFF” on the shortcut menu.
The protection is removed.
Changing the Color Mode

By changing the color mode, you can print color or black-and-white photographs.

**Use “Color Mode” in the layout display.**
The option selected for “Color Mode” affects all the photographs in the layout display. When you select “All Color” all the photographs are color, whereas when you select “All B/W” all the photographs are black and white.

### Changing the Color Mode of Individual Photographs

Changes made with the options under “Color Mode” are applied to all the photographs. If you want to change the color mode of individual photographs in the layout, proceed as follows.

**In the layout display, click the photographs that you want to change.**
Color photographs become black and white, and vice versa.

**Note**
When you change the paper size and/or layout, or you select a different printer after changing the color mode of individual photographs, the color mode changes are ignored. All the photographs revert to the setting under “Color Mode”.

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**Advanced Features**

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Changing the Layout

Generally, the same photograph is laid out several times on a single sheet, but you can just as easily lay out different photographs on one sheet or even lay out photographs of different sizes. This is very convenient as it allows you to print only the necessary photographs in the appropriate size.

Laying Out Several Photographs on a Single Page

1 In the thumbnail display, click the photographs to be printed. The selected photographs appear in the layout display.

2 Select the “Mix” check box and specify the number of selected photographs per page in the “Photo Qty” box. Use the arrow buttons to specify the desired number in the “Photo Qty” box. You can specify between 1 and 9 photographs per page.

Note
When you are printing photographs of different sizes on one sheet, the “Mix” check box is shaded, preventing you from selecting it. To make the “Mix” check box available, click [Photo Size], select a layout on the “Same Size” tab of the “Photo Size” dialog box, and then click “OK”.

3 Select the paper size. The available paper sizes depend on the printer selected in the “Printer Select” dialog box. Select a paper size that matches the paper size in the selected printer.

**UP-DX100**: UPC-X34, UPC-X45, or UPC-X46
**UP-DR100**: UPC-R35A, UPC-R46A, UPC-R57A, or UPC-R68A
4 In the layout display, click **Photo Size**.
The “Photo Size” dialog box appears.

**Note**

If you are using a UP-DR100 and select “UPC-R57A” or “UPC-R68A” as the paper size, you cannot click **Photo Size** and choose a layout.

5 In the “Photo Size” dialog box, select the desired layout.

1 Click the desired layout.
   A frame appears around the selected layout.

2 Click “OK”.
   The “Photo Size” dialog box closes and the selected layout appears in the layout display.
The “Photo Size” dialog box closes and the selected layout appears in the layout display.

Laying Out Photographs of Different Sizes on a Single Page

1 In the thumbnail display, click the photographs to be printed. The selected photographs appear in the layout display.

   **Note**
   If the “Mix” check box is selected, make sure that you clear it.

2 Select the paper size. The available paper sizes depend on the printer selected in the “Printer Select” dialog box. Select a paper size that matches the paper size in the selected printer.
   - **UP-DX100**: UPC-X34, UPC-X45, or UPC-X46
   - **UP-DR100**: UPC-R35A, UPC-R46A, UPC-R57A, or UPC-R68A
3 In the layout display, click **Photo Size**. The “Photo Size” dialog box appears.

**Note**
If you are using a UP-DR100 and select “UPC-R57A” or “UPC-R68A” as the paper size, you cannot click **Photo Size** and choose a layout.

4 In the “Photo Size” dialog box, select the desired layout.

① Click the “Different Size” tab.
② Click the desired layout. A frame appears around the selected layout.
③ Click “OK”. 

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The “Photo Size” dialog box closes and the selected layout appears in the layout display.

Changing the Color Tone and Picture Quality

You can change the color tone and picture quality of photographs. You can save color tone and picture quality adjustment values as files. When you want to apply the same changes to other photographs, you need only use these files.

1 In the thumbnail display, double-click the photograph for which you want to change the color tone and/or picture quality.

The “Color tone Adjustment” dialog box appears.
2 Click one of the thumbnails in the upper-left corner of the dialog box to select the color tone and picture quality color mode.
You can change the color tone and picture quality of photographs. When printing color photographs, click the “Color” thumbnail to adjust their properties. When printing black-and-white photographs, click the “B/W” thumbnail to adjust their properties.

3 Adjust the color tone and picture quality.

Adjusting the Color Tone
In the “Color” area, click the appropriate thumbnail to adjust the color tone.

**Note**
If you click “B/W” in step 3, you cannot modify the color tone of the photograph.

- **Adjustment thumbnail (+)**
  Clicking one of these deepens the target color tone. For example, if you click “Red +”, the red in the photograph becomes deeper.

- **Status display**
  The results of your changes can be previewed here, allowing you greater control over your changes.

- **Adjustment thumbnail (−)**
  Clicking one of these lightens the target color tone. For example, if you click “Red −”, the red in the photograph becomes lighter.
Adjusting the Picture Quality
In the “Sharpness/Gamma/Light/Dark” area, click the appropriate thumbnail to adjust the picture quality.

**A** Adjustment thumbnail (+)
Clicking one of these deepens the target setting. For example, if you click “Sharp +”, the photograph becomes sharper.

**B** Status display
The results of your changes can be previewed here, allowing you greater control over your changes.

**C** Adjustment thumbnail (–)
Clicking one of these lightens the color. For example, if you click “Sharp –”, the photograph becomes fuzzier.

**Hints**
- When you click , the changes are applied to all the photographs loaded to the utility software.
- When you click , all the changes made to the photograph are ignored and settings returned to their default values.

Saving Changes to a File
Perform the following if you want to save the changes made in the “Color tone Adjustment” dialog box in a file. Color and black-and-white changes are saved in a common file.

1. **Click** . A dialog box where you can specify the name of the file appears.

2. **In the dialog box**, specify the location where you want to save the file.
3 Enter the file name and click “OK”.
The dialog box closes and the changes are saved to the file.

**Note**
You cannot use any of the following characters in file names:
\ / : * ? " < > |

💡 **Hint**
The file name extension is “.caj”.

### Loading a File

1 **Click** ![Load](image)
   A dialog box where you can specify the file name appears.

2 **In the dialog box, specify the location of the file.**

3 **Click the file that you want to load and click “OK”.**
The dialog box closes and the contents of the file are applied to the photograph.

### Applying Changes to Your Photographs
Click “OK” to close the “Color tone Adjustment” dialog box. The changes to the color tone and picture quality are applied to the thumbnail and layout displays.

💡 **Hint**
When you modify the black-and-white picture quality in the “Color tone Adjustment” dialog box and click “OK” to close it, the changes are not applied to the thumbnail and layout displays. Instead, ![Icon](image) appears in the thumbnail display to indicate picture quality adjustments.
Printing Dates or Text

You can print the capture date of each photograph or print annotations on photographs.

1. **Click Date.**

   ![Image of Date dialog box]

   The “Date” dialog box appears.

2. **Select the “Date” check box.**
   
   You can then make settings in the dialog box.
3 Select the desired option, and then configure it.
You can select any of the following.
“Capture date”: select this option if you want to print the capture date of your photographs.
“PC date”: select this option if you want to print the date currently set on your computer.
“Text”: select this option if you want to annotate your photographs.

Configure the selected option as follows.

When you select “Capture date” or “PC date”
Click \( \square \) and select the desired date format from the list. The box under the list allows you to preview the result of your selection.
You can also change the color of the date text by selecting the desired “Text Color” option.

\(^*\) Hint
When you select “Capture date”, the respective capture dates of all the photographs appear in the layout display and are printed accordingly. The date that appears here is given as an example of the date format and is the date of the first photograph selected in the thumbnail display (upper left).
When you select “Text”
Type the desired annotation in the text box below. You can also change the color of the date text by selecting the desired “Text Color” option.

💡 Hint
Text annotations can have a length of up to 12 alphanumeric characters.

4 Click “OK”.
The specified date or text appears on the photographs in the layout display.

Date display

Text display

2003/05/15
Birthday
Displaying Photograph Information

You can verify the information about photographs loaded to the utility software.

**Right-click the photograph about which you want information.**
Right-click and hold the desired photograph in the thumbnail display. While the right mouse button is depressed, information about the photograph is displayed.

💡 **Hint**
The information that appears here is the same as that of the camera (PROPERTY).

![Image showing photograph information]

>Selecting a Printer

1 On the “Option” menu, click “Printer Select”.

![Image showing printer selection dialog box]

The “Printer Select” dialog box appears.
2 Select a printer.

1 Select the desired type of printer, “UP-DX100” or “UP-DR100”.
2 If there is more than one printer connected to your computer, select the appropriate printer on the list.
3 Click “OK”.

Formatting the Camera

It is possible to reinitialize (format) the camera when there is too much unnecessary data in the camera, for example.

**Note**

Performing this operation deletes all the data contained by the camera, including protected photographs.

1 On the “Option” menu, click “Camera Format”.

   ![Camera Format Menu](image1)

   A confirmation dialog box appears.

2 Click “OK” to proceed.

   ![Confirmation Dialog Box](image2)

   The camera is formatted.
Selecting the Utility Software Units

On the "Option" menu, click "Size Unit", and then select the units that you want to use, “mm” (millimeters) or “inch” (inches).

Note

By default, the utility software uses millimeters.
Installing the Camera Device Driver

To be able to load photographs to the utility software and then print them, you must first install the camera device driver with the CD-ROM supplied with the UPX-C200. The installation procedure varies depending on operating systems. Make sure that you install the device driver according to the procedure suited to your operating system.

**Windows 98 SE**

1. Set the camera USB class to “ORIGINAL”.
   For details about how to make this setting, refer to “Selecting the USB Class” in the Operating Instructions (Basic Operations).

2. Connect the camera to your computer.

3. Turn on the camera.

4. Turn on your computer.
   Windows starts, and then the Add New Hardware wizard starts.

5. Click “Next”.

![Add New Hardware Wizard](image)
6 Select “Search for the best driver for your device (Recommended).”, and then click “Next”.

7 Insert the UPX-C200 CD-ROM into the CD-ROM of your computer.

8 Select the “Specify a location” check box, and then type “X:\camera\Win98Me\Driver” (where "X" is the letter of your CD-ROM drive) as illustrated below, and then click “Next”.

Select this option.

Select the check box and type the appropriate information (in this example, the CD-ROM drive is “H”).
9 Click “Next”.

![Add New Hardware Wizard](image)

October was ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.

Location of driver:

`C:\CAMERA\WIN98\DRIVER\USBUPX-E`

10 Click “Finish”.

![Add New Hardware Wizard](image)

Windows has finished installing the software that your new hardware device requires.

This completes the installation of the camera device driver.
1 Set the camera USB class to “ORIGINAL”. For details about how to make this setting, refer to “Selecting the USB Class” in the Operating Instructions (Basic Operations).

2 Connect the camera to your computer.

3 Turn on the camera.

4 Turn on your computer. Windows starts, and then the Add New Hardware wizard starts.

5 Select “Specify the location of the driver (Advanced)”, and then click “Next”.

6 Insert the UPX-C200 CD-ROM into the CD-ROM of your computer.
7 Select the “Specify a location” check box, and then type “X:\camera\Win98Me\Driver” (where “X” is the letter of your CD-ROM drive) as illustrated below, and then click “Next”.

8 Click “Next”.

Select the check box and type the appropriate information (in this example, the CD-ROM drive is “H”).
9 Click “Finish”.

This completes the installation of the camera device driver.

Windows 2000

1 Set the camera USB class to “ORIGINAL”.
   For details about how to make this setting, refer to “Selecting the USB Class” in the Operating Instructions (Basic Operations).

2 Connect the camera to your computer.

3 Turn on the camera.

4 Turn on your computer.
   Windows starts, and then the Found New Hardware wizard starts.

5 Click “Next”.

6 Select “Search for a suitable driver for my device (recommended)”, and then click “Next”.

7 Insert the UPX-C200 CD-ROM into the CD-ROM of your computer.

8 Select the “Specify a location” check box, and then click “Next”.

Select this option.

Select this check box.
9 Type “X:\camera\Win2X\Driver” (where “X” is the letter of your CD-ROM drive) as illustrated below, and then click “OK”.

10 Click “Next”.

11 Click “Finish”.

This completes the installation of the camera device driver.
Windows XP

1 Set the camera USB class to “ORIGINAL”.
   For details about how to make this setting, refer to “Selecting the USB Class” in the Operating Instructions (Basic Operations).

2 Connect the camera to your computer.

3 Turn on the camera.

4 Turn on your computer.
   Windows starts, and then the Found New Hardware wizard starts.

5 Select “Install from a list or specific location (Advanced)”, and then click “Next”.

6 Insert the UPX-C200 CD-ROM into the CD-ROM of your computer.

7 Select “Search for the best driver in these locations.”, select the “Include this location in the search” check box, type “X:\camera\Win2X\Driver” (where “X” is the letter of your CD-ROM drive) as illustrated below, and then click “Next”.

Select this option.

Select the check box and type the appropriate information (in this example, the CD-ROM drive is “G”).
8 Click “Continue Anyway”.

9 Click “Finish”.

This completes the installation of the camera device driver.