Canon   Software Starter Guide For Version 21

Canon

Software Starter Guide

(For the Canon Digital Camera Solution Disk Version 21)

You must install the software bundled on the Canon Digital Camera Solution Disk before connecting the camera to the computer.

1 **Install the software.**

2 **Connect the camera to the computer.**

Windows ➡ p. 10
Macintosh ➡ p. 49

- **This guide explains how to install the software programs and briefly introduces their functions and operating procedures.**
- **Please read the software license agreement in this guide before using the software. By using the software, you agree to be bound by the terms of the agreement.**

Exif Print

DPOF ™

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The precautions noted within this guide are intended to instruct you in the safe and correct use of the products and to prevent injuries or damage to yourself, other persons and property. Please read and ensure that you understand them before proceeding to other sections of the guide.

⚠**Warnings**	This symbol indicates topics that could lead to death or serious injury if ignored or handled incorrectly.

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ArcSoft Customer Support

North America

46601 Fremont Blvd., Fremont, CA 94538
Tel: (510) 440-9901 (Mon. - Fri., 8:30 AM - 5:30 PM PST)
E-mail: support@arcsoft.com

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Table of contents

Using the PDF Manuals

The following PDF-format manuals (hereafter PDF manuals) are provided to explain the features and procedures for using ZoomBrowser EX and ImageBrowser.
• ZoomBrowser EX Software User Guide (Windows)
• ImageBrowser Software User Guide (Macintosh)

> Adobe Reader or Adobe Acrobat Reader must be installed to read the aforementioned PDF manuals. If one of these applications is not already installed on your computer, download it from the following website.
> http://www.adobe.com/products/acrobat/readstep2.html

Viewing PDF Manuals
Viewing Manuals Downloaded from a Website
These PDF-format manuals are available on the Canon website. Use your browser program to download these manuals from the following URL:
http://web.canon.jp/Imaging/information-e.html

Read This First

This chapter explains what you can accomplish using the camera with the software contained on the Canon Digital Camera Solution Disk.
It also lists the computer system configurations required to use the software.

About this Guide
- The explanations in this guide are based on Windows XP and Mac OS X v10.3. If you are using another version of these operating systems, the actual screen contents and procedures may vary slightly from those shown.
- The following terms are used in this guide.
  Mac OS X is used for Mac OS X (v10.1.5-v10.3)
  Memory card is used for CF cards, SD cards and PC cards.

It's so Simple! Make Prints Right at Home Like a Pro

Shoot the images
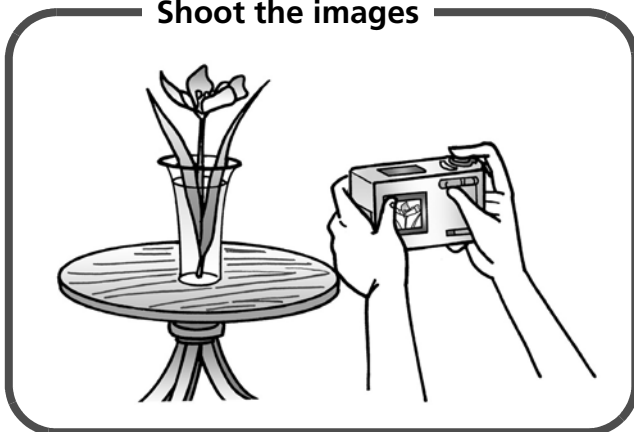
See your *Camera User Guide* for shooting instructions.

Windows (p. 10)
Macintosh (p. 49)
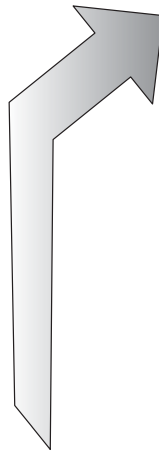
Install the software on the computer
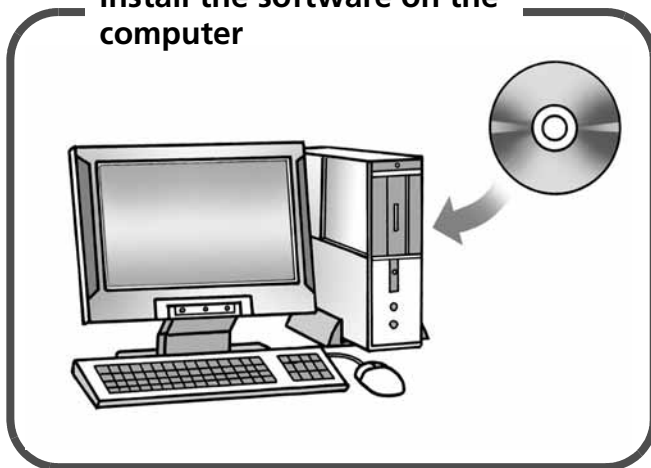
Just install the software once at the beginning.

Connect the camera to the computer

(p. 97)

Download images to the computer

Print the images
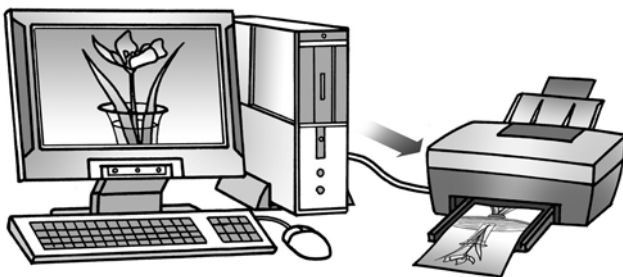
Unbounded Possibilities with Entertaining Software

Print a Variety of Layouts

Print with the diverse layouts available in PhotoRecord (Windows) and ImageBrowser (Macintosh). The examples shown are from PhotoRecord (Windows).

Make your own photo album of precious moments.
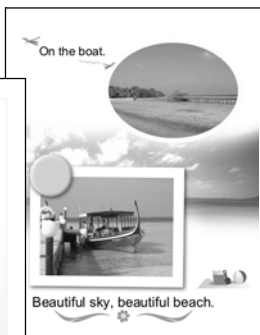
Confirm all your images in one glance with index (contact sheet) printing.

Stitch a Panorama Together

Create a panoramic image from a series of images with PhotoStitch.

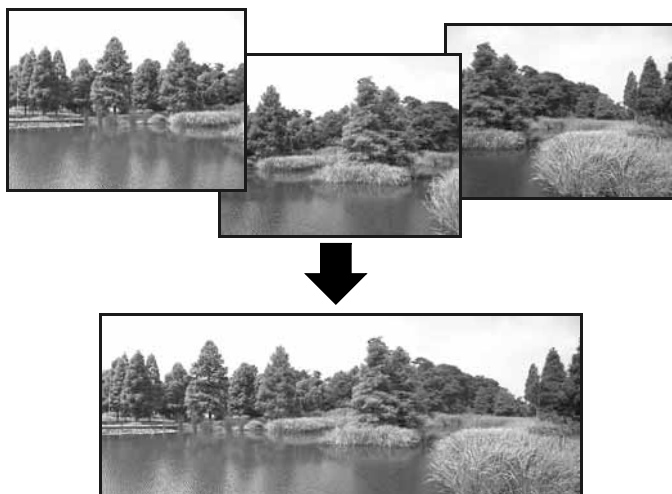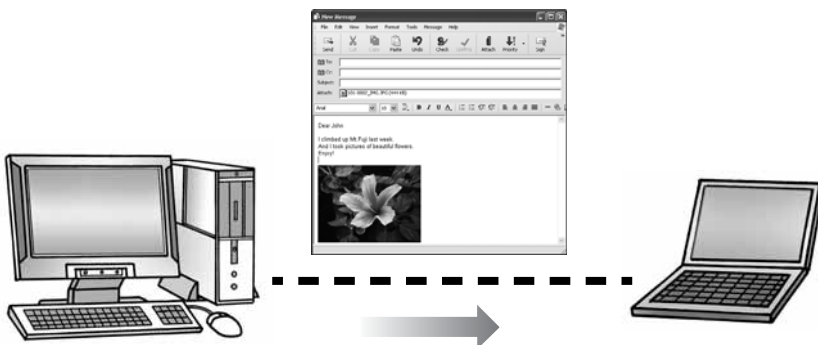## Send an Image as an E-mail Attachment

Attach an image to an e-mail message by starting your mail software from within
ZoomBrowser EX (Windows) or ImageBrowser (Macintosh).

Operate the Camera Shutter from the Computer

Release the camera's shutter from the computer with ZoomBrowser EX (Windows) or
ImageBrowser (Macintosh). The recorded image is saved directly to your computer.
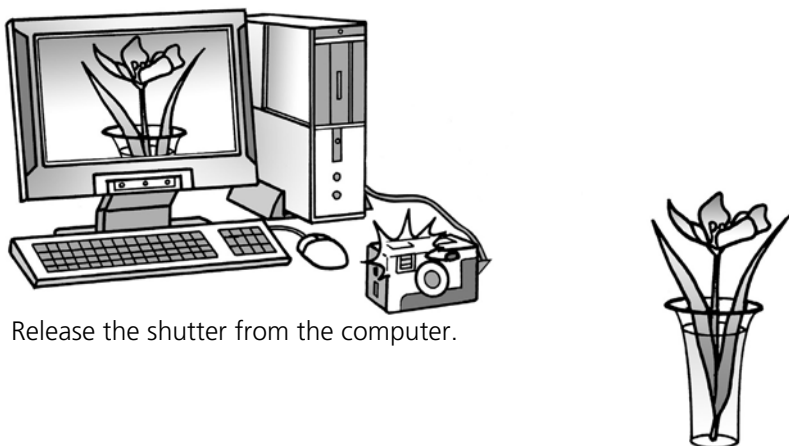
Release the shutter from the computer.

Edit a Movie

You can create and edit movies: link movies and stills that have been downloaded to your
computer, add background music, superimpose titles and other text, and apply various effects
to the movies.

Convert a RAW Format Image

RAW images are extremely high-quality images that are free of the resolution loss associated
with compression processing. However, since RAW images are created with a special image
format, it is necessary to convert them to standard image file formats, such as TIFF or JPEG. You
can make fine adjustments to the image quality and coloration when they are converted.

System Requirements

Please install the software on a computer meeting the following minimum requirements.

- • A CD-ROM drive is required to install the software.
- • All procedures performed with a connection to a USB 2.0 compliant board are not guaranteed.
- • A sound card is required to play movie file audio tracks under Windows.
- • With Windows, QuickTime 6.5 is required to play or edit movies or to save images merged with PhotoStitch in the QuickTime VR format. QuickTime is included on the Canon Digital Camera Solution Disk.
- • Macintosh software cannot be used on disks formatted in the UFS (Unix File System) format.

Windows

OS	Windows 98 Second Edition (SE) Windows Me Windows 2000 Service Pack 4 Windows XP (including Service Pack 1)
Computer Model	The above OS should be pre-installed on computers with built-in USB ports.
CPU	Pentium 500 MHz or higher processor
RAM	Windows 98 SE/Windows Me: 128 MB or more Windows 2000/Windows XP: 256 MB or more
Interface	USB

Free Hard Disk Space	• Canon Utilities
	  - ZoomBrowser EX: 250 MB or more
	    (Including the PhotoRecord printing program)
	  - PhotoStitch: 40 MB or more
	• Canon Camera TWAIN Driver: 25 MB or more
	• Canon Camera WIA Driver: 25 MB or more

Display	1,024 x 768 pixels/High Color (16 bit) or better

Macintosh

OS	Mac OS X (v10.1.5-v10.3)
Computer Model	The above OS should be pre-installed on computers with built-in USB ports.
CPU	PowerPC G3/G4/G5
RAM	256 MB or more
Interface	USB
Free Hard Disk Space	• Canon Utilities - ImageBrowser: 200 MB or more - PhotoStitch: 40 MB or more
Display	1,024 x 768 pixels/32,000 Colors or better

Using the Software on the Windows Platform – Preparations

This chapter explains the basic procedures for installing the software and connecting the camera to a computer. Read this material before you connect the camera to the computer.

Installing the Software and USB Driver

Start by installing the software from the Canon Digital Camera Solution Disk.

- You must install the software before you connect the camera to the computer.
- Users of Windows XP and Windows 2000 must first log in as an Administrator (computer system administrator) to install programs.

Items to Prepare
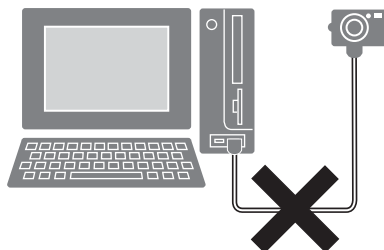
- Your camera and computer
- Canon Digital Camera Solution Disk
- Interface cable supplied with the camera

Installation Procedures

**1**   **Confirm that the camera is NOT connected to the computer.**
If it is, disconnect the cable. The software cannot be properly installed if the camera is connected to the computer at the start.

2   **Close any programs that are running.**

3 Place the Canon Digital Camera Solution Disk in the computer's CD-ROM drive.

If the installer panel does not appear automatically, use the following procedures.
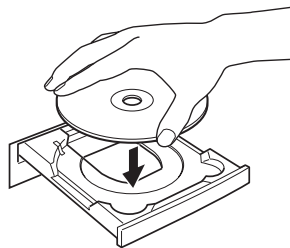
How to Display the Installer Panel
Use the following procedures to display the installer panel if it does not appear automatically.

Windows XP
1. Select [My Computer] from the [Start] menu.
2. Right-click the CD-ROM icon and select [Open].
3. Double-click the [Setup.exe] 🎇 icon.

Windows 2000, Windows Me, Windows 98 SE
1. Double-click the [My Computer] icon on the desktop.
2. Right-click the CD-ROM icon and select [Open].
3. Double-click the [Setup.exe] 🎇 icon.

Some computers may not display the [.exe] file name extension as shown above.

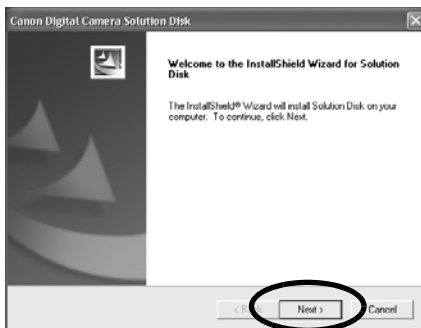**4** Click the Digital Camera Software [Install] button.
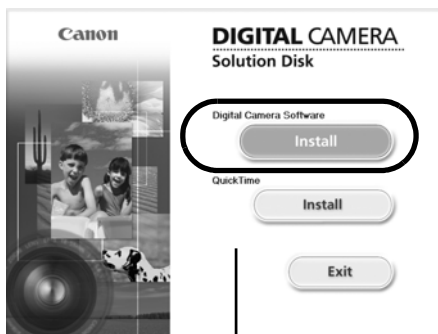
Installer Panel

Follow any instructions to restart your computer, if they appear. If the following window appears, continue with the installation.

5 Click [Next].

6 Select [Easy Installation] as the setup type and click [Next].

Select [Custom Installation] to select programs individually for installation.
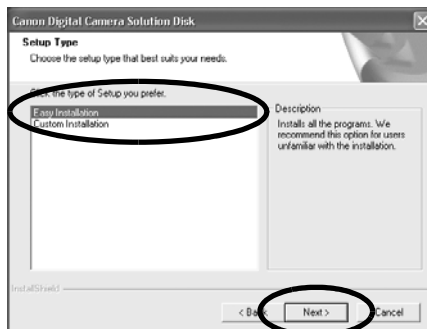
> **When [Custom Installation] is Selected**
> The USB driver (the software for connecting) is required when the camera is connected to the computer with an interface cable. Ensure that you select a USB driver from below (the appropriate one for your operating system).
> •Windows 2000/Windows 98 SE: Canon Camera TWAIN Driver
> •Windows Me: Canon Camera WIA Driver
> With Windows XP, the USB driver supplied with the Windows operating system is used so there is no need to install a USB driver.

7 Click [Yes] if you agree to all of the terms of the software license agreement.

8 Review the installation settings and click [Next].
Follow the onscreen instructions to proceed.

The items displayed here differ according to the software installed.

9 When the installation is over, select [Yes, I want to restart my computer now.] and click [Finish].
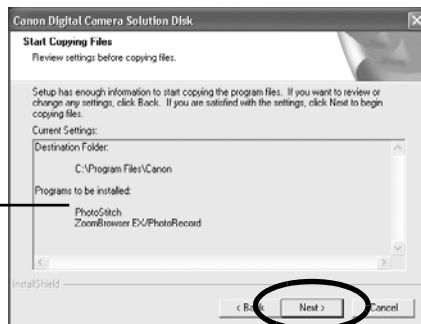
At this stage, do NOT remove the Solution Disk from the CD-ROM drive yet.
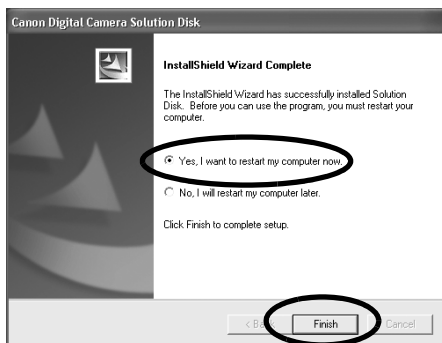
Users of Windows XP and Windows 2000 must log in as an Administrator (computer system administrator) after restarting to carry out the subsequent procedures.

10 Remove the disk from the CD-ROM drive when your normal desktop screen appears after restarting.

This concludes the software installation.

Continue by connecting the camera to the computer so that the USB driver can be utilized.
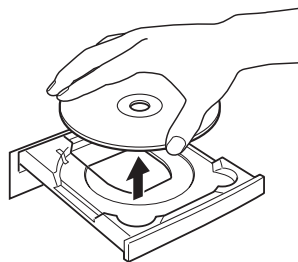
If you installed a USB driver, so far the required files have only been copied to your computer. You must now connect the camera to the computer with the interface cable to complete the installation and prepare the driver for use.

See *Uninstalling the Software* (p. 84) to delete the installed programs.

11 Attach the camera to the computer with the interface cable and set the camera to the correct mode for connecting.
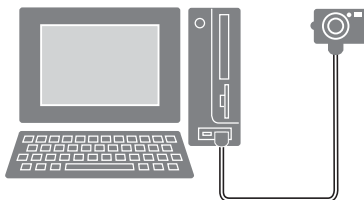
Procedures for attaching the camera to the computer and placing the camera in the correct mode for connecting vary between camera models. See *Information about Your Camera* (p. 96).

If the Digital Signature Not Found window appears, click [Yes].

The USB driver will automatically finish installing onto the computer when you attach the camera and open a connection.
Dialogs similar to the following will appear during this process (first time the camera is connected to a computer only).

Windows XP
The dialog on the right will appear after a few moments.

Windows 2000/Windows Me/Windows 98 SE
Restart the computer according to the instructions if you are prompted to do so by a message.

A dialog allowing you to set the default settings will display after installation. See *Using the Software on the Windows Platform — The Basics* (p. 15) for the subsequent procedures.

- See *USB driver installation not proceeding well* in the *Troubleshooting* section (p. 88) if you are having problems installing the USB driver.
- See *Uninstalling the USB Driver* (p. 85) to delete the USB driver installed with these procedures.
- See *If You Were Using ZoomBrowser EX Version 2 or 3* (p. 95) if you were previously using either version.

This concludes the software and USB driver installation and the procedures for connecting the camera to the computer.
You may now download camera images to the computer (p. 15).

Using the Software on the Windows Platform – The Basics

This chapter explains the procedures for using ZoomBrowser EX to download the camera's images to the computer and print them.
Read this chapter after completing the preparations in the *Using the Software on the Windows Platform – Preparations* section.

Downloading Images to the Computer

Begin by downloading the images to your computer. The downloading procedure is slightly different according to whether you are using a camera to computer connection (see below) or a memory card reader (p. 19).

> You can also display an index of the camera or memory card images to check them before downloading or download them selectively. For instructions, see *Checking Images before Downloading* (p. 34).

Camera to Computer Connection

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL Terminal. Prepare the camera for communication with the computer.

> Procedures for attaching the camera to the computer and placing it in the correct mode for connecting vary between camera models. See *Information about Your Camera* (p. 96).

The Camera Control Window will appear.
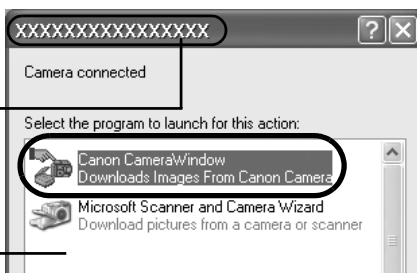
Camera Control Window

First Time Camera is Connected to a Computer
Set the following settings the first time you connect the camera to the computer. These procedures are not required from the second connection onward.

Select [Canon CameraWindow] when a dialog (Events dialog) similar to that on the right displays and click [OK].

> Your camera model name or "Canon Camera" will appear here.

> Different programs may display according to your computer setup.

xxxxxxxxxxxxxxx

Camera connected

Select the program to launch for this action:

Canon CameraWindow
Downloads Images From Canon Camera

Microsoft Scanner and Camera Wizard
Download pictures from a camera or scanner

> If this Events dialog does not appear, click the [Start] menu and select [Programs] or [All Programs], followed by [Canon Utilities], [Camera Window] and [Camera Window].

2 Download the images.

Download the images using the camera or the computer. By default, the downloaded images are saved into the [My Pictures] folder.
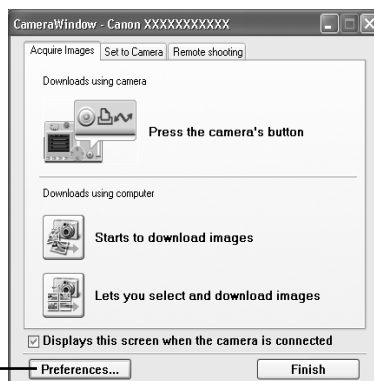
CameraWindow - Canon XXXXXXXXXX

Acquire Images | Set to Camera | Remote shooting

Downloads using camera

Press the camera's button

Downloads using computer

Starts to download images

Lets you select and download images

☑ Displays this screen when the camera is connected

Preferences...   Finish

You can adjust the settings, such as the type of image downloaded and the destination folder, by clicking [Preferences].

Using the Camera to Download Images (Direct Transfer Function)

> • If the conditions are right for the Direct Transfer function, the Direct Transfer settings menu will appear in the LCD monitor. In addition, the ⎙∿ (Print/Share) button will light if your camera is equipped with one.
> • See the *Camera User Guide* for instructions regarding Direct Transfer settings and procedures.

Set the Direct Transfer settings on the camera and press the ⎙∿ (Print/Share) button or the [SET] button.

```
Direct Transfer
 ⎙ All Images...
 ⎙ New Images...
 ☑ DPOF Trans. Images...
 ⎙ Select & Transfer...
 ⬚ Wallpaper...
```

Using the Computer to Download Images

Click [Starts to download images].

```
CameraWindow - Canon XXXXXXXXXX          [ _ ][ □ ][ × ]
Acquire Images | Set to Camera | Remote shooting
Downloads using camera
  [⎙∿]   Press the camera's button

Downloads using computer
  [icon]  Starts to download images

  [icon]  Lets you select and download images

☑ Displays this screen when the camera is connected
[ Preferences... ]                      [ Finish ]
```
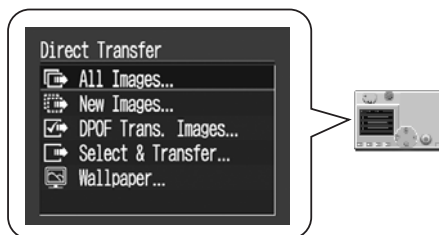
> • By default, all the images that have yet to be downloaded will download.
> • To download images that have had their transfer settings set with the camera, click [Preferences] and select [Images whose transfer settings were specified with the camera] as the image type to be downloaded.

The downloaded images will be saved into folders according to their shooting date.

By default, when downloading is complete, the thumbnails (tiny versions) of the downloaded images display in ZoomBrowser EX's Main Window.

Thumbnail

Shows the folder where the images are saved.
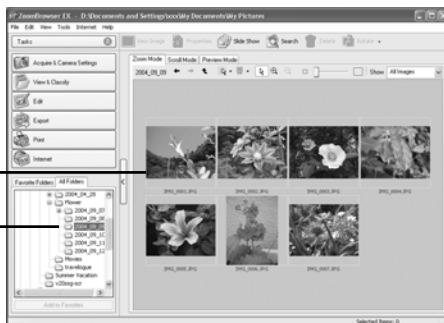
Next, print out the images (p. 21).

Memory Card Connection

1 Insert the memory card into the reader.

Use a separately sold card adapter (PCMCIA adapter) if required.
See the manual for the memory card for its connection and handling instructions.
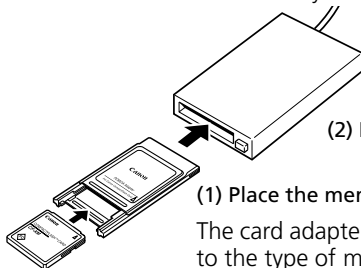
(2) Insert the loaded adapter into the slot.

(1) Place the memory card in an adapter if required.

The card adapter and memory card shape may vary according
to the type of memory card your camera utilizes.

2 Select [View/Download Images using
Canon CameraWindow] when the
dialog to the right appears and click
[OK].

The Camera Control Window will display.

If the dialog above fails to appear, click the [Start] menu and select
[Programs] or [All Programs], followed by [Canon Utilities], [Camera
Window] and [Camera Window], and proceed to Step 3.

3 Click [Starts to download images].
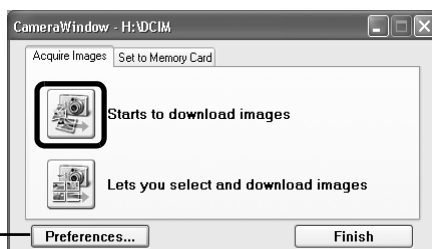
You can adjust the settings, such as the type
of image downloaded and the destination
folder, by clicking [Preferences].

> • By default, all the images that have yet to be downloaded will
>   download to the [My Pictures] folder.
> • To download images that have had their transfer settings set with the
>   camera, click [Preferences] and select [Images whose transfer settings
>   were specified with the camera] as the image type to be downloaded.
> • See *Memory Card Folder Structure* (p. 87) for information about
>   memory card folder structures and file names.

The downloaded images are saved into folders according to the shooting date.

By default, when the download is complete, the thumbnails (tiny versions) of the downloaded images display in ZoomBrowser EX's main window.

Next, print out the images (p. 21).

Printing Images

This section explains the basic procedures for using PhotoRecord, a printing utility program. See the program's [Help] menu for more details.

- • Movies cannot be printed.
- • With images shot by Exif 2.2 (called Exif Print) compatible cameras, shooting information such as the shooting settings and mode can be included with the images. This data is then used to correct the images to obtain better prints.
- • PhotoRecord automatically carries out image correction (by default) both with images shot with Exif 2.2 compatible cameras and other images, yielding high-quality prints.

1 Click [Print] in the Main Window, followed by [Layout Print].
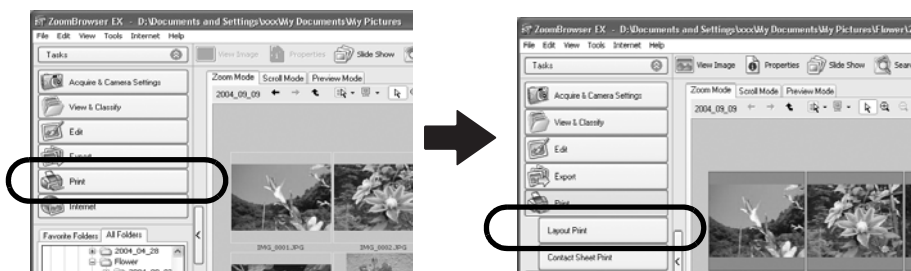
2 Click [1. Select Images] and select images.

The background of the selected image(s) will turn blue.
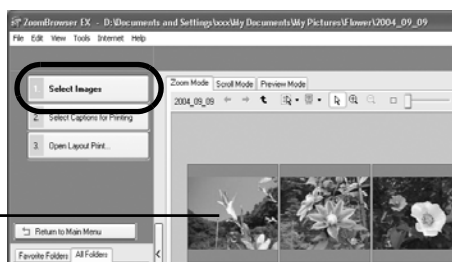
3 Click [2. Select Captions for Printing] and place a check mark beside the type of information that will be printed with the images.

If you select [Date and Time], for example, you can print the images with their shooting dates and times included.
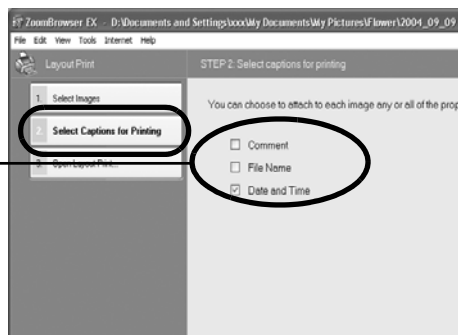
You can add a comment to an image in the Properties Window (p. 31).

4 Click [3. Open Layout Print].
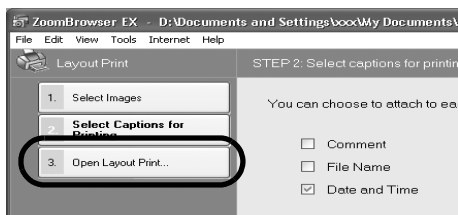
PhotoRecord will start, displaying the selected image and the information selected in Step 3 in the Album window. In addition, the steps that will take you through the printing process will display on the left side. Follow the steps in order to proceed.

Album Window
The selected images display here.

The printing procedures display here.

From this point onward, the procedures vary according to whether you select Full Page Print (prints one image per page) or Layout and Print (prints an arrangement of images on each page).

Full Page Print

This option prints one image per page.

1 Click [2 Select Printer & Album Type].
Once you have chosen a printer, select
[One Photo Per Page] or [One Photo Per
Sheet] in the Album Type category.
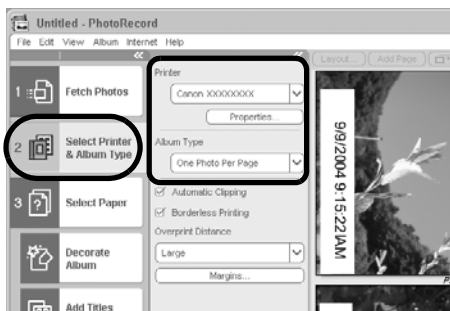
2 Click [3 Select Paper] and select the
paper size and orientation.
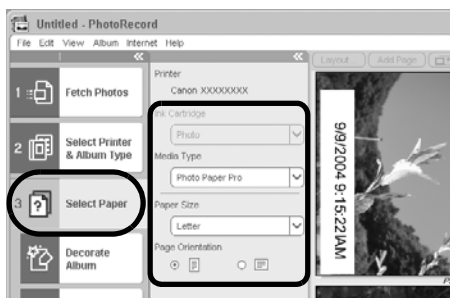
3 Click [4 Print], confirm the number of
copies and other printing settings, and
click [Print].

This will start printing.
To close PhotoRecord after printing is complete, click ⊠. Click [Yes] to save the album or [No]
to close it without saving. The ZoomBrowser EX window will reappear when the save
procedure is complete.

Layout and Print

This option prints multiple images on a single page as in a photo album.

1 Click [2 Select Printer & Album Type]. Once you have chosen a printer, select [Free Form] in the Album type category.
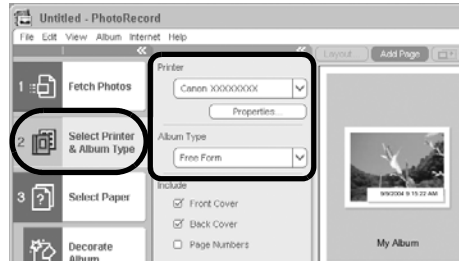
2 Click [3 Select Paper] and select the paper size and orientation.
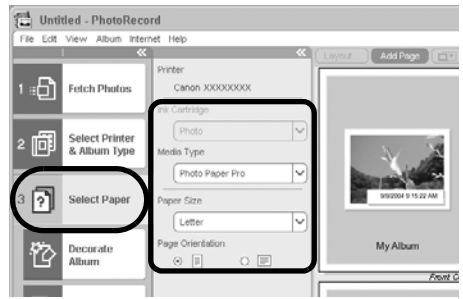
3 Click [Decorate Album] and change the design of the image background and border as desired.

Click the [Themes], [Backgrounds], [Photo Frames], [Text Frames] or [Clipart] button to switch between selections.

Perform the procedures according to the instructions beside the ⚠ symbol.

> • The [Themes] category provides consistent designs for use throughout an entire album.
> • You can also click [Add Titles & Captions] to add text as a title or caption.

4 Click [4 Print], confirm the number of copies and other printing settings, and click [Print].
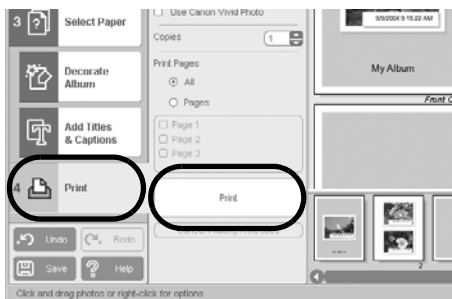
This will start printing.

To close PhotoRecord after printing is complete, click ✕. Click [Yes] to save the album or [No] to close it without saving. The ZoomBrowser EX window will reappear when the save procedure is complete.

> There are numerous varieties of albums. Select one to suit your purposes. Please note that the available album types may vary slightly according to the printer in use.
>
> | Album Type | Description |
> |---|---|
> | One Photo Per Page | Prints one image on each sheet of paper. |
> | One Photo Per Sheet | |
> | Free Form | Allows images to be freely positioned on the page and printed. |
> | Contact Sheet | Prints thumbnails of the images and their shooting data (Exif data*). |
> | Fixed Size Photo | Allows image heights and widths to be specified and prints. |
> | Mosaic | Lines up the specified number of images and prints. |
> | Perforated Paper | Prints on perforated paper. |
> | 8-Sticker Label | Prints on 8-label sheets. |
>
> * The shooting information displayed in ZoomBrowser EX and the Exif data that can be printed using PhotoRecord differ slightly.

This chapter explained the ZoomBrowser EX basics. Once you have mastered them, try the advanced techniques.

Using the Software on the Windows Platform ─ Advanced Techniques (p. 26).

> • A PDF-format manual for ZoomBrowser EX is also available. It provides further information about the program's features and procedures. See *Using the PDF Manuals* (p. 2).

Using the Software on the Windows Platform – Advanced Techniques

This chapter explains various ZoomBrowser EX features.
Proceed to this chapter once you have mastered the basic ZoomBrowser EX procedures in the *Using the Software on the Windows Platform – The Basics* chapter.

The ZoomBrowser EX Windows

This section describes the principal ZoomBrowser EX windows: the Main Window, Viewer Window and Properties Window.

Main Window

This window is for displaying and organizing images downloaded to the computer.

Task Area (p. 27)   Function Buttons (p. 29)

Display Mode (p. 28)

Display Control Panel (p. 29)

Folders Area (p. 27)

Switches between showing and hiding the Task Area and Folders Area.

Browser Area (p. 27)
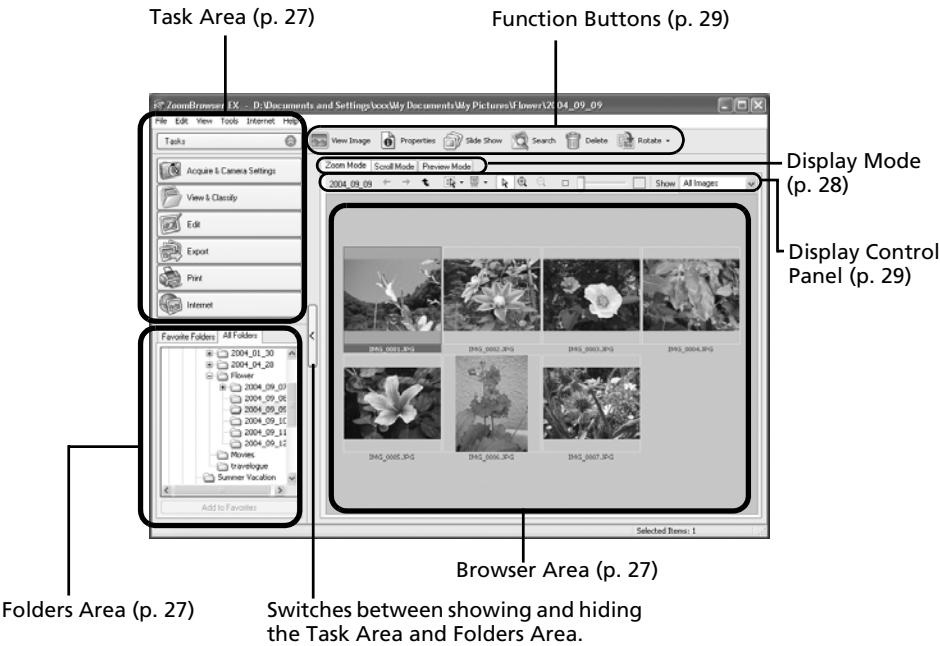
Task Area

• ZoomBrowser EX's tasks are arranged here like an index.
• Click a Task button to carry out the desired task.
These features are described in *ZoomBrowser EX Features* (p. 32)

Folders Area

• Use this area to select folders. The images in the selected folder display in the Browser Area. If you select a network drive in advance with Windows Explorer, you can display network folders, but you cannot add, change or delete those folders in the Browser Area.
• If you selected Favorite Folders, only the folders registered in advance as Favorite Folders will display. You are recommended to register a folder that you use frequently as one of the Favorite Folders. If you selected All Folders, all the folders will display.

Methods for Registering a Favorite Folder
• If "Favorite Folders" is displayed: click [Add] and select a folder.
• If "All Folders" is displayed: select a folder and click [Add to Favorites].

Browser Area

• The images in the folder selected in the Folders Area will display here. The display style will vary according to your Display Mode selection.

Methods for Selecting Images in the Browser Area
• Selecting a single image: click on an image.
• Selecting multiple images: click on the first image and then hold the [Ctrl] key down while clicking on additional images.
• Selecting consecutive images: click on the first image and then hold the [Shift] key down while clicking on the last image.

• You can sort the image order in the Browser Area by file name, shooting date or other characteristics by clicking the [Tools] menu and selecting [View] and [Sort by].
• The following icons will display around images according to their attributes.

　　Images shot with the camera's Stitch Assist mode

RAW RAW images

　　Movies

　　Images with sound memo attachments

　　Protected images

　　Images shot with the camera's AEB function

Display Mode

• Selects the display style for the Browser Area.

Zoom Mode

Displays all the images in a folder as thumbnail images. This mode is convenient for searching for images since many can be displayed at once.

If additional folders are nested within a folder, their images are displayed as thumbnails as well.
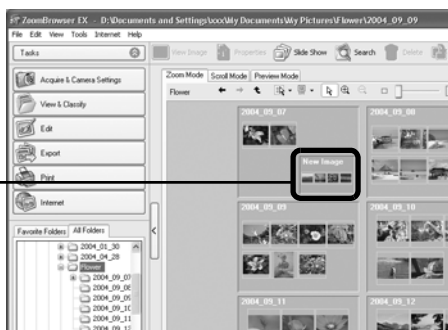
Scroll Mode

This mode is convenient for checking the images in multiple folders at once. If the displayed folder is at the highest level, then all thumbnails in the lower-level folders also display. You can change the folder level (folder depth) by clicking the [Tools] menu and selecting [Preferences].

The images within nested folders also display.
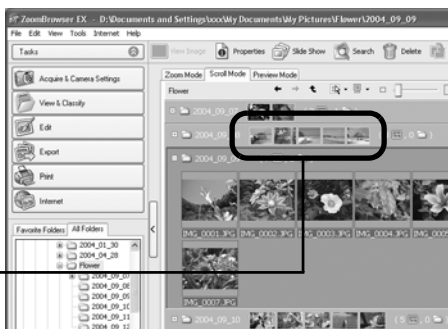
Preview Mode

This mode displays the image at a larger size as well as the image information.

Positioning the mouse pointer over a thumbnail causes the image to display at a higher magnification. You can turn off this function by clicking the [Tools] menu, selecting [Preferences] and removing the check mark from the [Show mouse over windows] option.

Display Control Panel

• This panel adjusts the display settings for the Browser Area.

Selection Menu
Use this to select or deselect all the images in the Browser Area.

Display Size
Changes the size of the thumbnail in the Browser Area.

Show/Hide Image Information Menu
Use this to display or hide image information beneath the thumbnails, such as the file name, shooting date or Star Rating.

Filter Images
This feature filters your images by their Star Ratings, displaying only those images in the Browser Area. One of three Star Ratings can be assigned to an image in the Viewer Window, the Properties Window, or in the information column in the Preview Mode.

Function Buttons

• These buttons are available for executing various functions.

View Image Button
Displays the selected image in the Viewer Window.

Slide Show Button
Starts a slide show of the selected images.

Rotate Button
Rotates the selected image.

Properties Button
Displays information about the selected image in the Properties Window.

Search Button
Searches for images using such criteria as the Star Rating, modification date, shooting date, comments or keywords.

Delete Button
Deletes selected images or folders.
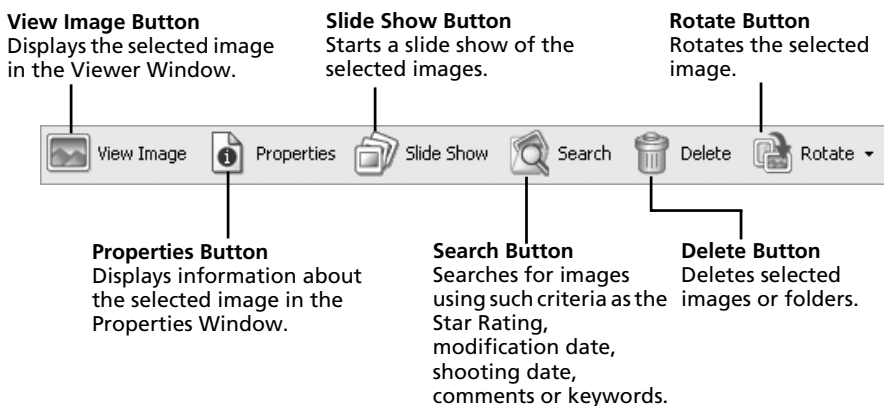
Viewer Window

Double-click an image in the Browser Area to display it in the Viewer Window.

Edit Menu
You can use this menu for red-eye reduction, color correction and cropping. You can also use it to start up other programs for editing.

Split Screen Button
Displays multiple images at once.
This is handy for comparing images.

Synchronize Button
Synchronizes the display settings when multiple images are displayed.

Star Rating
Sets the Star Rating for an image.

Image Selector Button
Switches between images.

Sets the image display size to the size in the Viewer Window.

Full Screen Button
Displays the image in the full screen mode. Click the image or press any key on the keyboard to restore the normal display mode.

Zoom
Changes the image zoom setting.

Properties Window

The Properties Window displays when you select an image in the Browser Area and click the Properties button. The Properties Window does not display in the Preview Mode.

Shows or hides categories.

Star Rating
Sets the Star Rating for an image.

Plays a sound memo attached to on image.

Protect
Prevents an image from being overwritten or deleted.

Comment
You can type a comment here.

Keywords
Sets the keywords used in searches.

Histogram
A graph of the highlights and shadows distribution in an image.

Shooting Information
Displays detailed information about the shooting settings when the image was captured, such as the shutter speed or exposure setting. The camera model will determine what information is displayed.
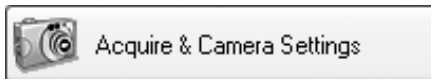
Image Selector Buttons
Switches between images.

ZoomBrowser EX Features

This section briefly introduces the Task Area functions.

Acquire & Camera Settings

Opens the Camera Control Window, which lets you perform the following operations.

Acquire Images
Downloads images from the camera/memory card (p. 15, 19).

Set to Camera
Sets camera settings, such as the My Camera settings (p. 45), or Slide Show/DPOF settings. It also uploads images from the computer to the camera/memory card.

Remote Shooting
Allows you to operate the camera shutter from the computer (p. 41).

View & Classify

View as a Slide Show
Starts a slide show of the images selected in the Browser Area.

Rename Multiple Files
Changes the file names of the selected images in a single pass.

Classify into Folder
Classifies images and saves them into a specified folder.

Search
Performs image searches using criteria such as the Star Rating, modification date, shooting date, comments or keywords. Star Ratings, comments and keywords can be set in the image information column in the Preview Mode or in the Properties Window.

Edit

Edit Image
Allows you to perform image editing, such as cropping, color correction and red-eye reduction. You can also use it to start other image editing programs.
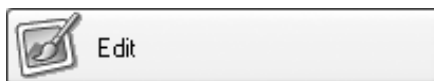
Stitch Photos
Merges multiple images and creates a single large panoramic image (p. 44).

Edit Movie
Edits movies or still images strung together. You can add text as titles, or background music, and apply various effects (p. 37).

Process RAW Images

Converts RAW format images into the TIFF or JPEG formats. You can adjust the image brightness, contrast and color balance among other attributes during conversion (p. 38).

Export

Export Still Images

Allows you to change the image size or file format and save a new image file.

Export Movies

Allows you to change the movie size or file format and export the file.

Export Shooting Properties

Allows you to select the necessary data from the shooting information and export it as a text file.

Export as a Screen Saver

Exports the image as a screen saver file.

Export as a Wallpaper

Exports the image as a wallpaper file.
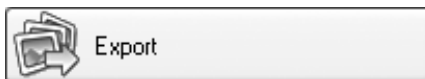
Backup to CD

Copies images to a CD-R/RW disk for backup.

> The Backup to CD function can only be used on computers satisfying the following requirements.
> • Windows XP is preinstalled
> • A CD-R/RW drive is included as standard equipment

Print

Layout Print

Allows you to arrange the selected images in an attractive layout and print them (p. 21).
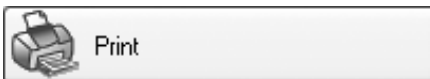
Contact Sheet Print

Prints the selected images as a contact sheet (index).

Internet

Email Images

Converts the selected images to the appropriate size for transmission by e-mail. You can also use it to automatically start an e-mail program after conversion.
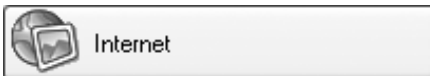
> • To return to the previous screen after selecting a task, click [Return to Main Menu] at the bottom of the task screen.
> • Various Help functions are available in ZoomBrowser EX. Click the [Help] menu, [?] button or [Help] button to display topics about operational procedures or the functions available.

Checking Images before Downloading

You can display camera or memory card images in the Camera Browser Window to view them before downloading.

1 Perform Step 1 in the *Camera to Computer Connection* section (p. 15) or steps 1-2 in the *Memory Card Connection* section (p. 19).
The Camera Control Window will display.

2 Click [Lets you select and download images].

The images in the camera or memory card will display in the Camera Browser Window as thumbnails (tiny images).

Camera Browser Window

Thumbnail
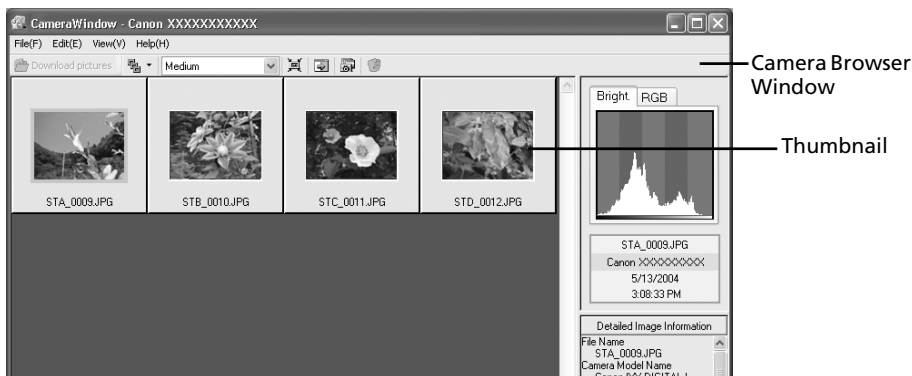
3 Select images to download.
To select multiple images, click on the first image and then hold the [Ctrl] key down while clicking on successive images.

4 Click [Download pictures].
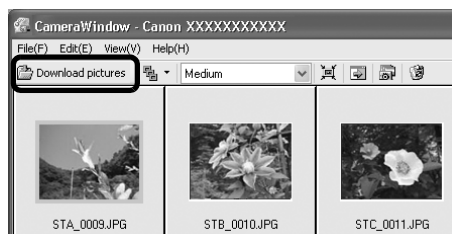
5 Confirm the destination folder and click [Starts Download].

Specify the file name for saved images. ———

Specify the destination folder for the images.
You can change the destination folder by clicking [Browse] and selecting a new destination.

Select [Create subfolder] to create a new folder within the one specified above, and select a naming option.
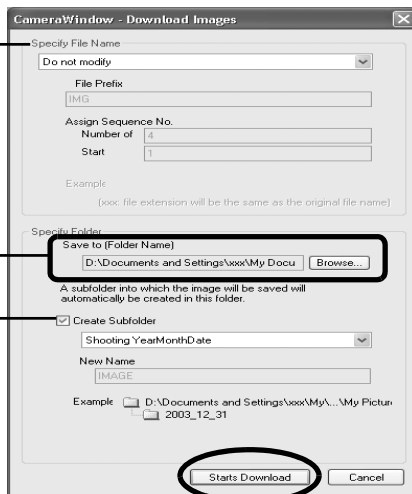
The thumbnails of the downloaded images will display in the Main Window of ZoomBrowser EX when downloading is complete.

> You can also download images to the computer by dragging images displayed in the Camera Browser Window and dropping them onto the Browser Area or Folders Area in ZoomBrowser EX.

Other Methods of Downloading Images to the Computer
There is no need to install ZoomBrowser EX with either method.

* Windows XP (Installation of USB Driver Not Required)
Your camera uses a standard image transfer protocol called Picture Transfer Protocol (PTP). With PTP and Windows XP, all you need do is connect the camera to the computer with an interface cable to easily download images using the Scanners and Cameras Wizard or other procedures. However, there are some inconveniences and limitations to this downloading method. See the *For Windows® XP and Mac OS X Users* leaflet for details.

* Windows Me (with the USB driver installed)
Easily download images using the Scanners and Cameras Wizard or Windows Explorer. All you need do is connect the camera to the computer with an interface cable.

See the Windows Help system for information about the Scanners and Cameras Wizard and Windows Explorer.

Replaying Movies

Installation Procedures for QuickTime
QuickTime is required to play and edit movies. To install QuickTime, please follow these procedures.

1. Place the Canon Digital Camera Solution Disk in the CD-ROM drive.
   If the installer panel fails to appear automatically, display it using the procedures in the *How to Display the Installer Panel* section (p. 11).

2. Click the QuickTime [Install] button.

   Follow the onscreen instructions to proceed with the installation.

1   Double-click an image with a movie icon in ZoomBrowser EX's Browser Area.

2   Click the ▶ (Play) button in the Viewer Window.
   Windows Media Player or QuickTime Player will start.

3   Click the ⊙ (Play) button in Windows Media Player or QuickTime Player.
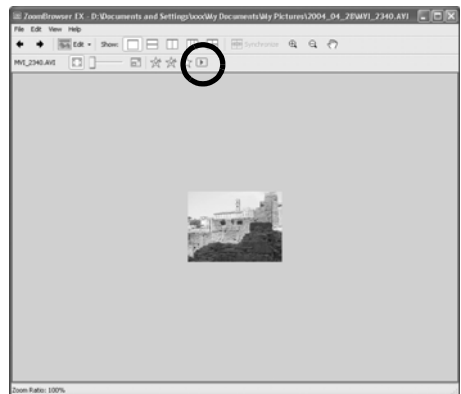
Do not double-click a movie file (.AVI extension) in the Windows Explorer to play it. That will start Windows Media Player, which may not support this file type. To replay movies, start QuickTime Player through the [Start] menu and open the file using the QuickTime Player [File] menu.

Editing Movies

You can create and edit movies: link movies and stills that have been downloaded to your computer, add background music, superimpose titles and other text, and apply various effects to the movies.

> • QuickTime is required to play and edit movies. Use the *Installation Procedures for QuickTime* section (p. 36) to install it.
> • Movies are saved as AVI files in the Motion JPEG (MPEG) format.

1 Click [Edit] in ZoomBrowser EX's Main Window, followed by [Edit Movie].

2 Click [1. Add Images] and select the image (movie or still) you wish to edit.
You can select multiple movies or stills.

3 Follow the steps at the left of the window to edit the movie and save it.

Follow these steps to proceed.

Click this button for detailed operational instructions.
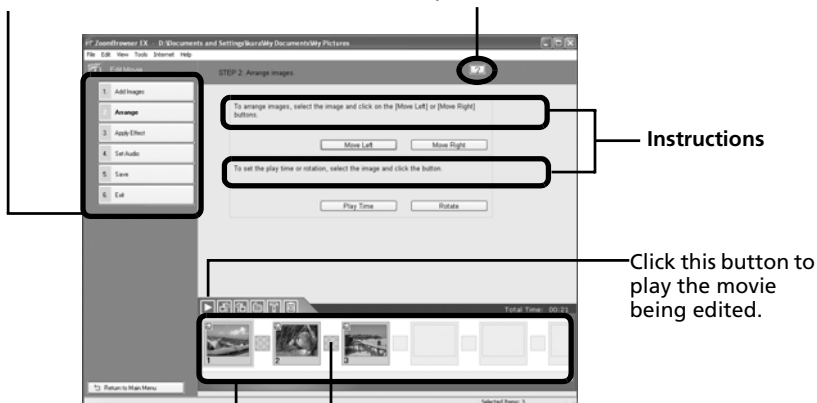
Instructions

Click this button to play the movie being edited.

Storyboard Area
Displays thumbnails of the selected images.
Links images in order from left to right.

Transition Effects Box
Appears between adjacent images and displays the symbols of the transition effects linking images.

Converting RAW Images

RAW images are extremely high-quality images that are not subject to any deterioration due to compression processing. However, they cannot be opened by many image editing programs because they are recorded in a special file format. A process called conversion is required to change them to a standard file format (TIFF or JPEG).

> • See *Information about Your Camera* (p. 96) to determine whether your camera model supports this function.
> • See the *Camera User Guide* for information about the camera settings for shooting RAW images.

Procedures for Converting RAW Images

1 Select a RAW image in ZoomBrowser EX's Browser Area.

2 Click [Edit], followed by [Process RAW Images].

The Main Window, the Navigator window and the Image Quality Adjustment Window will display.

Use the buttons here to switch between images and display modes, rotate images, and set the conversion parameters.

Thumbnail
Check Mark

Main Window

> If the navigator window does not display, click the [View] menu and select [Show Navigator].

3 Adjust the image quality as required in the Image Quality Adjustment Window.

This window is explained in the *Functions of the Image Quality Adjustment Window* section (p. 39).

4 Click the [2. Save] tab, set the file format and destination, and then click [Save].

Select [All Images] or [Checked Images] (images checked in the main window) to apply the common conversion settings.

Select a file format

Set the file destination

You can also change the file name

This will convert the image.

5 Click the [3. Exit] tab and click [OK].

Functions of the Image Quality Adjustment Window

The following adjustments can be made in the Image Quality Adjustment Window. The available settings may vary depending on the camera used.

Tone Curve Tab
You can set the levels for the RGB channels separately or together.

Advanced Adjustments Tab
You can set the settings for adaptive noise control and the color space for the output.

If you cannot set the desired setting with the slider on the left, directly enter the setting here.

This section adjusts the white balance according to the light source and color temperature.

This section adjusts the digital exposure compensation, photo effect, contrast, sharpness, and saturation.

The effect of the settings above can be viewed immediately if you place a check mark here.

Applies the settings to the displayed image

Restores all settings to the settings stored in the camera at the time of shooting.

You can change the coloration of the image to your preferred settings when you convert a RAW image. You can also select preset color schemes, such as Positive Film. Furthermore, you can add your own color schemes (My Color) to apply to other RAW images when they are being converted. See the PDF manual for ZoomBrowser EX for more information (p. 2).

Operating the Shutter Remotely

You can record still images by using a computer to control the shutter of a connected camera. This is particularly useful for checking images on the larger display of the computer as you record them and for high volume photography without worrying about filling the camera's memory card.

Preparing for Remote Shooting

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal and place the camera in the correct mode for connecting.

> • Methods for connecting the camera to the computer and placing it in the correct mode for connecting vary between models. Some cameras need to be in Playback mode when connected to the computer, please refer to the *Information about Your Camera* section (p. 96).
> • Perform the settings described in *First Time Camera is Connected to a Computer* (p. 16) the first time you connect the camera to the computer.

The Camera Control Window will display.

2 Open the lens cover or remove the lens cap on models equipped with them. Proceed to the next step if your model does not have one.

3 Click the [Remote shooting] tab.
4 Click [Starts Remote Shooting].

5 Select a destination for the captured images and click [OK].

RemoteCapture Task Window

The RemoteCapture Task window has the following features.

Shows/Hides the viewfinder or detailed settings area.

Size and Resolution Selector
Selects the size and resolution at which images are captured.

Rotation Settings
Sets the rotation parameters for images after they are captured.

You can add comments to images by placing a check mark here and typing text in the boxes below.

Release Button
Releases the shutter.

Slide this to zoom the camera in or out.

Viewfinder Display
Click the [Start/Stop Viewfinder] button while a connection to the camera is open to display the image appearing in the camera's viewfinder.

Start/Stop Viewfinder Button
Starts or stops the viewfinder display.

Refresh Button
Resets the exposure, focus and white balance.

Set the basic camera settings here.

• The settings available in the RemoteCapture Task window vary between camera models.
• RemoteCapture Task locks the exposure and focus settings for the subject matter in the Viewfinder section. If the lighting or distance to the subject changes, click to reset these settings.

Remote Shooting

⚠️ Ensure that you turn off your computer's standby mode before you begin remote shooting. The device performance cannot be guaranteed if the computer enters the standby mode.

1 Click 🔳 and check the subject in the viewfinder.

2 Change the image size or resolution, the rotation settings and the settings at the bottom of the window as required.

If you intend to hold the camera vertically to photograph a subject, you can save the image to the computer with the correct orientation if you set the rotation settings in advance.

> 📝 If your camera is equipped with the Auto Rotate function and you set it to On, the image will automatically be rotated and appear in the correct viewing orientation in the RemoteCapture Task window.

3 Click the [Release] button.

> 📝 • You can release the shutter by pressing the camera's shutter button or the keyboard's space key.
> • Other than the shutter button, the camera's buttons and switches, including the zoom, cannot be operated while the camera is being controlled with the Remote Shooting function.
> • You may notice that the interval between the shutter release and activation is slightly longer for remote shooting than when the camera is used independently.

Merging Panoramic Images - PhotoStitch

You can create a wide panoramic image by merging several images. It is easier to merge images if they are shot with the camera's Stitch Assist mode because PhotoStitch can automatically detect the image order and orientation.

Images Shot in Stitch Assist Mode

A sequence of images shot in Stitch Assist mode is saved into a single folder when it is downloaded from the camera. In addition, the symbol below displays by the image in the Browser Area.

Symbol displayed by images shot in Stitch Assist mode.

- See the *Camera User Guide* for information about shooting in Stitch Assist mode.
- Images shot in Stitch Assist mode with a wide converter, teleconverter or close-up lens cannot be merged accurately.

Starting PhotoStitch

1 Click [Edit] in the ZoomBrowser EX's Main Window and click [Stitch Photos].

2 Click [1. Select Images] and select several images in the Browser Area.

3 Click [2. Open PhotoStitch].

Instructions

4 Merge the images following the instructions in the guidance panel at the top of the PhotoStitch window.

Enjoy Customizing Your Camera with the My Camera Settings

The start-up image, start-up sound, shutter sound, operation sound, and self-timer sound are called the My Camera settings. You can add your favorite images and sounds from your computer to the My Camera settings. This topic explains how to upload the My Camera settings saved onto your computer to the camera and vice versa.

Displaying the My Camera Window

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal and place the camera in the correct mode for connecting.

> • Procedures for attaching the camera to the computer and placing it in the correct mode for connecting vary between camera models. See *Information about Your Camera* section (p. 96).
> • Perform the settings described in *First Time Camera is Connected to a Computer* (p. 16) the first time you connect the camera to the computer.

The Camera Control Window will display.

2 Click the [Set to Camera] tab.

3 Click [Set My Camera].

The My Camera Window Features

ZoomBrowser EX already contains several pre-recorded My Camera settings. You can check these items with the My Camera window.

Tabs
Click here to switch between adjusting the settings individually or in themed sets.

Play Button
Plays the audio from the settings file in the camera.

Displays the settings in the camera.

Displays the list of settings files saved onto the computer.

Add File Button
Adds the settings file to the list.

Play Button
Plays the audio from the selected settings file.

Delete Button
Deletes a settings file from the camera.

Save to Camera Button
Saves a computer settings file onto the camera.

Delete Button
Deletes a settings file from the computer.

Save to PC Button
Saves a camera settings file onto the computer.

Create a My Camera Sound Button
Starts My Camera Sound Maker (p. 48).
Not available when My Camera Window is opened from the Camera Control Window.

> You can add new data to the My Camera window. See *Adding New Data to the My Camera Window* (p. 47).

Saving the My Camera Settings to the Camera

> • My Camera settings can be selected and saved in either of two ways to the camera: individually or in theme sets.
> • The "Animal" theme, for example, features an animal in the start-up image and animal calls in each of the sound files. The names of the prepared files for the various My Camera settings themes all begin with the same root name. The start-up image and sound files in the "Animal" theme, for example, all begin with "Animal~".

> Do not detach the interface cable, turn the camera power off or disconnect the camera from the computer while the My Camera settings are being saved to the camera or the settings from the camera are being saved to the computer.

1 Select the [Setup as a theme] tab in the My Camera window.
   To set the start-up image or sound individually, click the [Set individually] tab and select it.

2 Select the settings file you wish to save to the camera from the My Computer list.

3 Select the setting from the Camera list that you would like to change and click [Save to Camera].
   This concludes the process of saving the My Camera settings to the camera.
   The Camera list setting will change to the selected file. If a setting for this category has previously been saved to the camera, it will be overwritten.

   Repeat steps 1-3 as required.
   To use this data on the camera, change the start-up image and sound settings on the camera itself. Please see the *Camera User Guide* for these instructions.

Saving the Camera's My Camera Settings to the Computer

1 Select the [Setup as a theme] tab in the My Camera window.
   To set the start-up image or sound individually, click the [Set individually] tab and select it.

2 Select the settings files from the Camera list that you wish to save to the computer.

3 Click [Save to PC].

4 Add a name to the settings file you are saving and click [OK].
   This concludes the process of saving the My Camera settings to the computer.
   Repeat steps 1-4 as required.

Adding New Data to the My Camera Window

Create a new image or sound file and add it to the My Camera window.

Create an Original Start-up Image File and then Add It

Start by using an image editing program to create the image file that will become the start-up image and save it to the computer. Create the file in the JPEG format at a size of (w) 320 x (h) 240 pixels.

1 Open the My Camera window, click the [Set individually] tab, select [Start-up Image] from the "Data Type" category and click the [Add File] button.
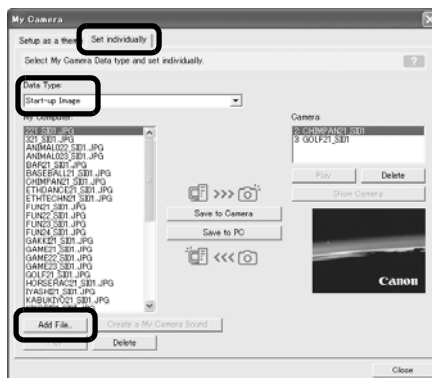
2 Select the file you created and click [Open].

This concludes the process for adding new data.
You can save the newly created data to the camera using the procedures described in the *Saving the My Camera Settings to the Camera* section (p. 46).

Create an Original Sound File and then Add It

It is easy to create a sound file using My Camera Sound Maker.
QuickTime is required to play the recorded sound.

1 Click the [Edit] menu in the ZoomBrowser EX Main Window and select [Manage My Camera].

The My Camera window will display.

2 Select the [Set individually] tab in the My Camera window and click the [Create a My Camera Sound] button.

The My Camera Sound Maker program will start.

3 Create a file following the instructions in the guidance panel.

Instructions

4 Click once you have saved the sound file to close My Camera Sound Maker.

This concludes the process of adding a sound file as a My Camera settings file to the computer.
You can add the file to the camera with the procedures described in the *Saving the My Camera Settings to the Camera* section (p. 46).

> • Record the sound as an 11.025 kHz or 8.000 kHz, 8 bit, mono sound in the WAV format.
> • The following chart shows standard time lengths for My Camera Sounds.

Type	Duration in Seconds	
	11.025 kHz	8.000 kHz
Start-Up Sound	1.0 sec. or less	1.3 sec. or less
Shutter Sound	0.3 sec. or less	0.4 sec. or less
Operation Sound	0.3 sec. or less	0.4 sec. or less
Self-Timer Sound	2.0 sec. or less	2.0 sec. or less

Using the Software on the Macintosh Platform – Preparations

This chapter explains the basic procedures for installing the software. Read this material before you connect the camera to the computer for the first time.

Installing the Software

Start by installing the software from the Canon Digital Camera Solution Disk.

Items to Prepare

• Your camera and computer
• Canon Digital Camera Solution Disk
• Interface cable supplied with the camera

Installation Procedures

1 Close any programs that are running.

2 Place the Canon Digital Camera Solution Disk in the computer's CD-ROM drive.

3 Double-click the [Canon Digital Camera Installer] icon

 in the CD-ROM window.
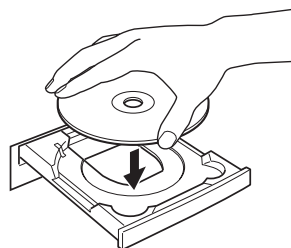
4 Click the Digital Camera Software [Install] button.

Installer Panel

5 Select [Easy Installation] and click [Next].

Select [Custom Installation] to select programs individually for installation.
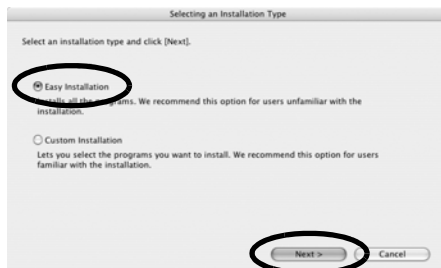
6 Click [Agree] if you agree to all of the terms of the software license agreement.

7 Review the installation settings and click [Next].
Follow the onscreen instructions to proceed.
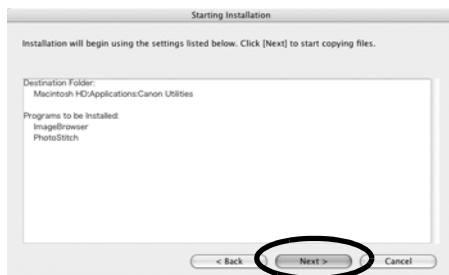
8 When the installation is over, click [OK].

9 Click [Exit] in the installer panel and remove the disk from the CD-ROM drive.
This concludes the software installation.
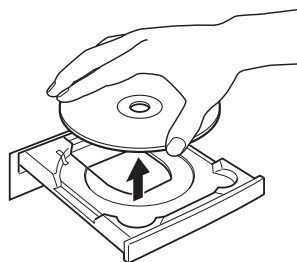
> See *Uninstalling the Software* (p. 86) to delete the software installed with these procedures.

Using the Software on the Macintosh Platform – The Basics

This chapter explains the procedures for using ImageBrowser to download the camera's images to the computer and print them.
Read this chapter after completing the preparations in the *Using the Software on the Macintosh Platform – Preparations* section.

Downloading Images to the Computer

Begin by downloading the images to your computer. The downloading procedure is slightly different according to whether you are using a camera to computer connection (see below) or a memory card reader (p. 53).

> You may not be able to download the camera images if there are more than approximately 1000 images in the camera. Use a memory card reader to download in that case.

> You can also display an index of the camera or memory card images to check them before downloading or download them selectively. For instructions, see *Checking Images before Downloading* (p. 66).

Camera to Computer Connection

Set the ImageBrowser auto start settings before you connect the camera to the computer for the first time. This step is not required from the second connection onward.


ImageBrowser Auto Start Settings – OS X (v10.2/v10.3)

1. Start Image Capture, click the [Image Capture] menu and select [Preferences].
2. In the next menu, click the [When a camera is connected, open:] list box and select [Other].

The window will appear slightly different in v10.2.

3. Select [CameraWindow] in the program selection window.
   CameraWindow is generally installed into the folder opened by selecting the [Applications], [Canon Utilities] and [CameraWindow] folders.
4. Click [OK] and then close Image Capture.

ImageBrowser Auto Start Settings – OS X (v10.1)
1. Start Image Capture and select [Other] from the Hot Plug Action list box.
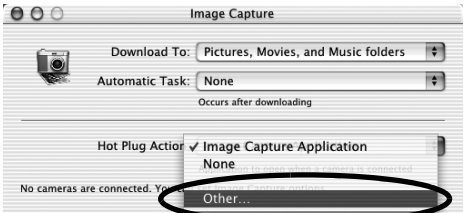
2. Select [CameraWindow] in the program selection window.
   CameraWindow is generally installed into the folder opened by selecting the
   [Applications], [Canon Utilities] and [CameraWindow] folders.
3. Close Image Capture.

1 Attach the supplied interface cable to the computer's USB port and the camera's
DIGITAL Terminal. Prepare the camera for communication with the computer.

> Procedures for attaching the camera to the computer and placing it in
> the correct mode for connecting vary between camera models. See
> *Information about Your Camera* (p. 96).

The Camera Control Window will appear.
Double-click the [Canon CameraWindow] icon on the desktop if it does not appear.

2 Click [Starts to download images].
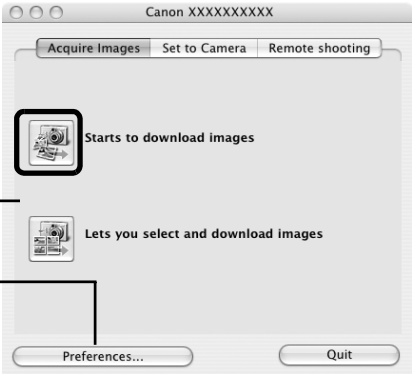
Camera Control Window

You can set the type of image to download
and the destination folder by clicking
[Preferences].

The downloaded images will be saved into folders according to their shooting date.

> • By default, all the images that have yet to be downloaded will
>   download to the [Pictures] folder.
> • To download images that have had their transfer settings set with the
>   camera, click [Preferences] and select [Images whose transfer settings
>   were specified with the camera] as the image type to be downloaded.

By default, when the download is complete, the thumbnails (tiny versions) of the downloaded images display in ImageBrowser's Browser Window.

Thumbnail

Continue by printing out an image (p. 55).

Memory Card Connection

Set the ImageBrowser auto start settings before you connect a memory card to a computer for the first time (p. 51).
This step is not required from the second connection onward.

1 Insert the memory card into the reader.
Use a separately sold card adapter (PCMCIA adapter) if required.
See the manual for the memory card reader for details on how to connect and use the reader.
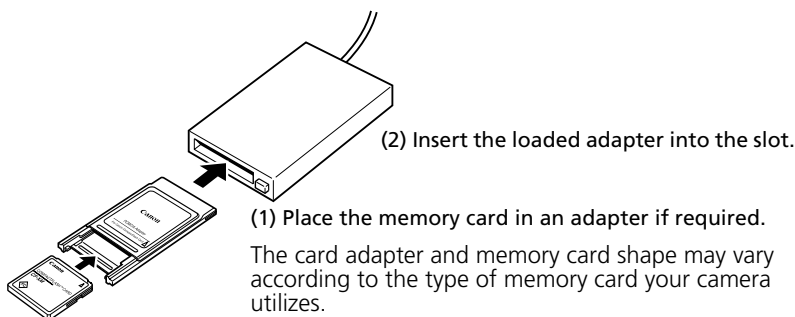
(2) Insert the loaded adapter into the slot.

(1) Place the memory card in an adapter if required.

The card adapter and memory card shape may vary according to the type of memory card your camera utilizes.

The Camera Control Window will appear.
Double-click the [Canon CameraWindow] icon on the desktop if it does not appear.

2 Click [Starts to download images].

You can set the type of image to download
and the destination folder by clicking
[Preferences].

The downloaded images will be saved into folders according to their shooting date.

> • By default, all the images that have yet to be downloaded will
>   download to the [Pictures] folder.
> • To download images that have had their transfer settings set with the
>   camera, click [Preferences] and select [Images whose transfer settings
>   were specified with the camera] as the type of image for downloading.
> • See *Memory Card Folder Structure* (p. 87) for information about
>   memory card folder structures and file names.

By default, when the download is complete, the thumbnails (tiny versions) of the
downloaded images will display in ImageBrowser's Browser Window when downloading
is complete.

Continue by printing out an image (p. 55).

Printing Images

Printing

1 Select the images to print.

Clicking on an image selects it and displays a blue frame around it. To select multiple images, hold down the [shift] or [⌘] (command) key while clicking on images.

A blue frame displays around selected images.

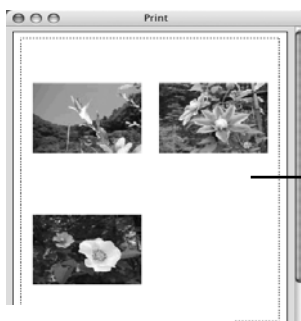Movie images cannot be printed.

2 Click the [Print] button and select [Layout printing] from the displayed menu.

This displays the Layout Options dialog and the Print window.
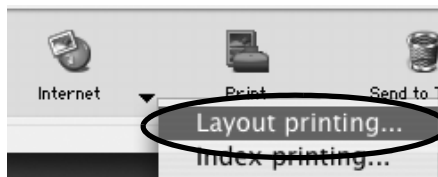
Layout Options dialog

Print window

From this point onward, the procedures vary according to whether you select Full Page Print (prints one image per page) or Layout and Print (prints an arrangement of images on each page).

Full Page Print

This option prints one image per page.

1 Select [Tiled photo printing] in the Layout Options dialog and click [Next].

2 Once you have set the paper size and other settings, select [1 (1 x 1)] in the No. of images category and click [OK].

3 Click the [Print] button in the Print window.
This will display the Print dialog.

4 Click [Print] to start printing.

Layout and Print

This option prints multiple images on a single page as in a photo album.

1 Select [Custom layout printing] in the Layout Options dialog and click [Next].

2 Select settings, such as the paper size, and click [OK].

3 As required, change the layout and add text in the Print window.
See *Print Window Features* (p. 57) for the procedures for changing layouts and adding text.

4 Click the [Print] button in the Print window.
This will display the Print dialog.

5 Click [Print] to start printing.

> • You can print the image thumbnail and shooting information by selecting [Index printing] in the Layout Options dialog.
> • Images shot with Exif 2.2-compliant cameras (Exif Print) incorporate information about the shooting settings, such as the camera modes and settings. Better prints can be made by using this information to correct the image. To set this function, click the [ImageBrowser] menu and select [Preferences]. Select [Print] from the list box at the upper left of the Preferences window and select the desired settings in the "Image Correction Settings" category.

Print Window Features

When the [Custom layout printing] option is selected in the Layout Options window, you can freely change the size and position of the images for printing.

Change the Image Size
Drag the border to resize the image.

Add Captions to Images
Click the image and then the [Edit] menu and select [Edit Caption].

Change the default number of images printed per page.

Vertically and horizontally lines up images in the window.

Rotate the selected image.

Edit the Page Title
Open the [Edit] menu and select [Edit Header].

Change the Layout
Drag the images to change the layout.

Add Text
Open the [Edit] menu and select [Add Text].

Displays the Layout Options window.

Displays the Print dialog.

Flowers
Red Flower
Beautiful Flower!
Flowers

RE-LAYOUT ROTATE IMAGES PER PAGE LAYOUT OPTIONS PRINT

To print the shooting date, shooting time or the file name as the caption, click the [ImageBrowser] menu and select [Preferences]. Select [Print] from the list box at the upper left of the Preferences window and place check marks besides the desired items in the "Items to Print in Caption" category.

This chapter explained the ImageBrowser basics.

Once you have mastered them, try the advanced techniques.
Using the Software on the Macintosh Platform – Advanced Techniques (p. 58).

A PDF-format manual for ImageBrowser is also available. It provides further information about the program's features and procedures. See *Using the PDF Manuals* (p. 2).

Using the Software on the Macintosh Platform – Advanced Techniques

This chapter explains various ImageBrowser features.
Proceed to this chapter once you have mastered the basic ImageBrowser procedures in the *Using the Software on the Macintosh Platform – The Basics* chapter.

The ImageBrowser Windows

This section describes the principal ImageBrowser windows: the Browser Window, Viewer Window and File Information Window.

Browser Window

This window is for displaying and organizing images downloaded to the computer.

Browser Area (p. 59) Display Mode (p. 60)

Explorer Panel (p. 59) Display Control Panel (p. 61)

Control Panel (p. 61)
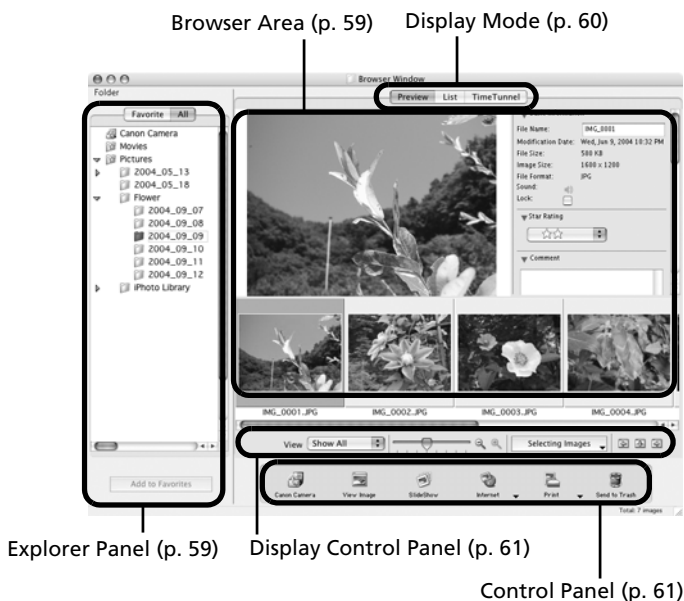
Explorer Panel

• Use this area to select folders. The images in the selected folder display in the Browser Area.
• If you selected Favorite Folders, only the folders registered in advance as Favorite Folders will display. You are recommended to register a folder that you use frequently as one of the Favorite Folders. If you selected All Folders, all the folders will display.

Methods for Registering a Favorite Folder
• If "Favorite Folders" is displayed: click [Add] and select a folder.
• If "All Folders" is displayed: select a folder and click [Add to Favorites].

Browser Area

• The images in the folder selected in the Explorer Panel will display here.
The display style will vary according to your Display Mode selection.

Methods for Selecting Images in the Browser Area
• Selecting a single image: click on an image.
• Selecting multiple images: click on the first image and then hold the [shift] or [⌘] (command) key down while clicking on additional images.
• Selecting consecutive images: click on the first image and then hold the [shift] and [option] keys down while clicking on the last image.

• The following types of icon will display around images according to their attributes.

    Images shot with the camera's Stitch Assist mode

RAW RAW images

    Movies

    Images with sound memo attachments

    Protected images

    Images shot with the camera's AEB function

Display Mode

• Selects the display style for the Browser Area.
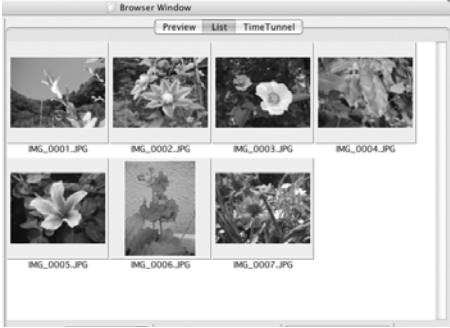
Preview
This mode displays the image at a larger size as well as the image information.
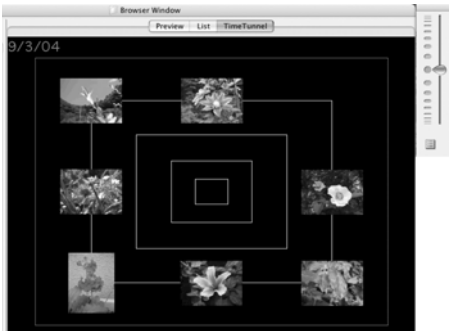

List
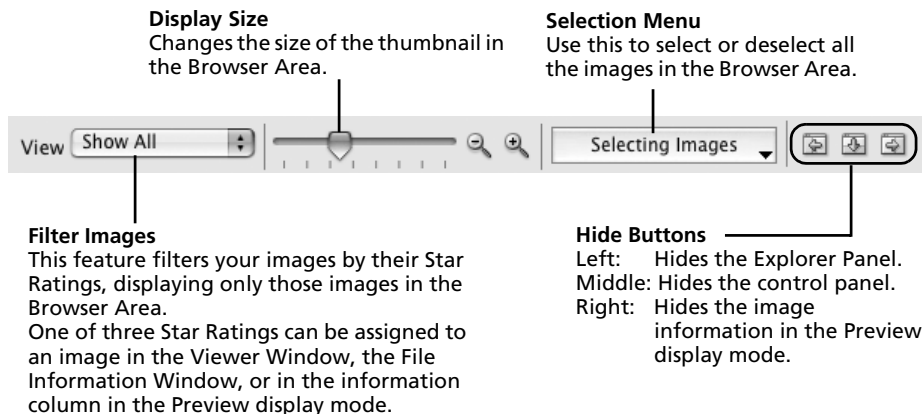Displays the images in the folder selected in the Explorer Panel section in rows and columns.

TimeTunnel
Displays images in chronological order in a simulated time tunnel. You can move along a timeline from the past to the present using the slider that appears at the window's right.

Display Control Panel

• This panel adjusts the display settings for the Browser Area.

Display Size
Changes the size of the thumbnail in the Browser Area.

Selection Menu
Use this to select or deselect all the images in the Browser Area.

View **Show All** ⬍ | ⊖ ⊕ | **Selecting Images** ▾ | ⬅ ⬇ ➡

Filter Images
This feature filters your images by their Star Ratings, displaying only those images in the Browser Area.
One of three Star Ratings can be assigned to an image in the Viewer Window, the File Information Window, or in the information column in the Preview display mode.

Hide Buttons
Left: Hides the Explorer Panel.
Middle: Hides the control panel.
Right: Hides the image information in the Preview display mode.

Control Panel

• The control panel contains buttons for executing various functions.

Canon Camera   View Image   SlideShow   Internet ▾   Print ▾   Send to Trash
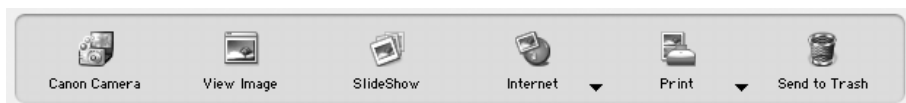
The functions displayed here are explained in the *Control Panel Features* section (p. 64).

Viewer Window

Double-click an image in the Browser Area to display it in the Viewer Window.

Zoom
Changes the image zoom setting.

Star Ratings Menu
Sets the Star Rating for an image.

Image Selector Button
Switches between images.

Save Button
Saves the edited image.

Full Screen Button
Displays the image in the full screen mode. Click the image or press any key on the keyboard to restore the normal display mode.

Edit Menu
Allows cropping and color correction.
You can also use it to start up other programs for editing.
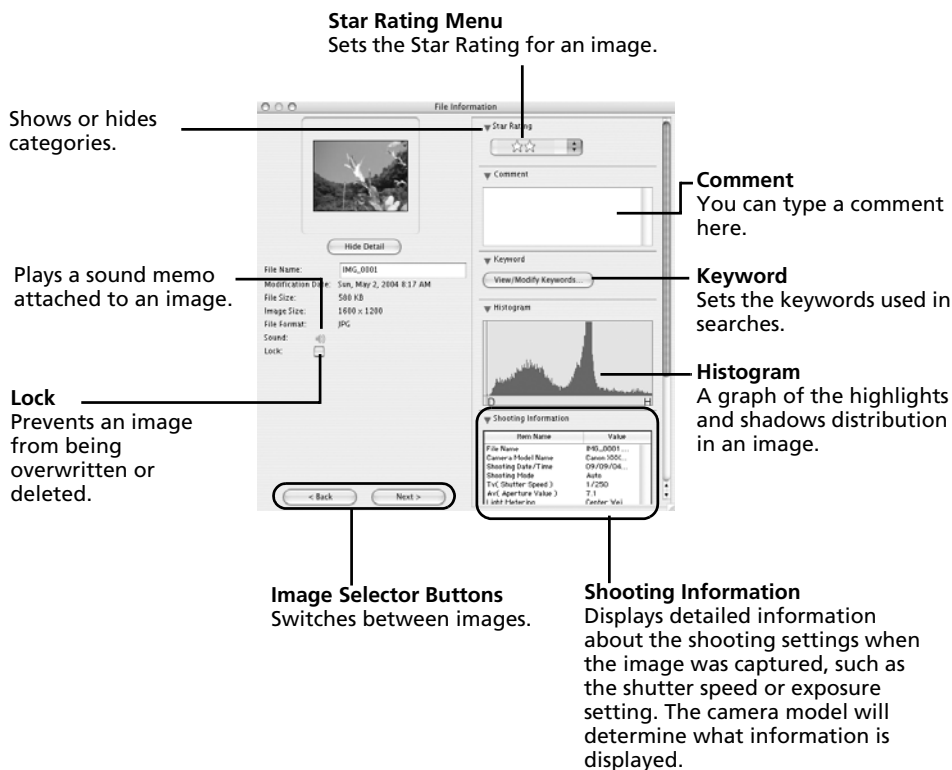
Synchronize Button
Synchronizes the display settings when multiple images are displayed.

Number of Displays Menu
Displays multiple images at once. This is handy for comparing images.

File Information Window

The File Information Window displays when you select an image in the Browser Area, click the [File] menu and select [Get Info]. The File Information Window does not display in the Preview display mode.

Star Rating Menu
Sets the Star Rating for an image.

Shows or hides categories.

Comment
You can type a comment here.

Plays a sound memo attached to an image.

Keyword
Sets the keywords used in searches.

Histogram
A graph of the highlights and shadows distribution in an image.

Lock
Prevents an image from being overwritten or deleted.

Image Selector Buttons
Switches between images.

Shooting Information
Displays detailed information about the shooting settings when the image was captured, such as the shutter speed or exposure setting. The camera model will determine what information is displayed.

ImageBrowser Features

This section provides a brief introduction to ImageBrowser features.

Control Panel Features

Canon Camera

Opens the Camera Control Window, which lets you perform the following operations.

Acquire Images
Downloads images from the camera/memory card (p. 51, 53).

Set to Camera
Sets camera settings, such as the My Camera settings (p. 76), or Slide Show/DPOF settings. It also uploads images from the computer to the camera/memory card.

Remote Shooting
Allows you to operate the camera shutter from the computer (p. 72).

View Images
Displays the selected image in the Viewer Window.

SlideShow
Starts a slide show of the selected images. Click the [View] menu and select [Slide Show Options] to set the slide show settings.

Internet
Create Images for Email
Converts the selected images to the appropriate size for transmission by e-mail. You can also use it to automatically start an e-mail program after conversion.

Print
Layout Printing
Allows you to arrange the selected images in an attractive layout and print them (p. 55).

Index Printing
Prints the selected images as an index.

Send to Trash
Sends the selected images or folders to the Trash.

Functions Selected from Menus

Search Images: [File] menu, [Search]

Searches images by criteria such as Star Rating, dates, keywords, comments.

Export Images: [File] menu, [Export Images]

- Edit and Save: allows you to change the file format or size and export the file.
- Export Shooting Properties: allows you to export the shooting properties as a text file.
- Export as a Screensaver: Exports the image as a screen saver file.
- Export an Image as Wallpaper: Exports the image as a wallpaper file.

Organize Images: [File] menu, [Organize Image]

- Sort Images: sorts images according to criteria such as the shooting date and time or Star Rating and saves them into a specified folder.
- Rename: changes the files names of multiple images in a single pass.

Convert RAW Images: [File] menu, [RAW image processing]

Converts RAW format images into the TIFF or JPEG formats. You can adjust the image brightness, contrast and color balance among other attributes during conversion (p. 70).

Merge Panoramas: [Edit] menu, [PhotoStitch]

Merges multiple images and creates a single large panoramic image (p. 75).

Edit Movies: [Edit] menu, [Movie Edit]

Edits movies or still images strung together. You can add titles or background music and apply various effects (p. 69).

Display Settings: [View] menu, [View Settings]

Hides or shows image information beneath the thumbnail, such as the file name or the shooting date and time.

Sort Images: [View] menu, [Sort]

Arranges image order in the Browser Area according to criteria such as the filename, file modification date, file size or shooting date.

Checking Images before Downloading

You can display camera or memory card images in the Camera Browser Window to view them before downloading.

1 Perform Step 1 in the *Camera to Computer Connection* section (p. 51) or steps 1-2 in the *Memory Card Connection* section (p. 53).
The Camera Control Window will display.

2 Click [Lets you select and download images].

The images in the camera or memory card will display in the Camera Browser Window as thumbnails (tiny images).

Camera Browser Window

Thumbnail
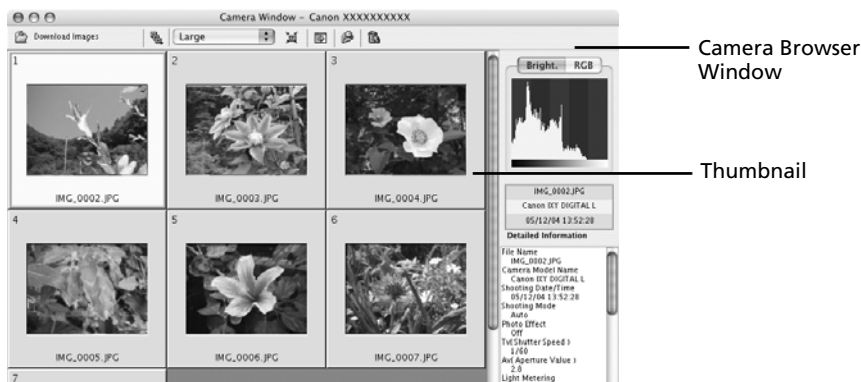
3 Select images to download.
To select multiple images, click on the first image and then hold down the [shift] or [⌘] (command) key while clicking on successive images.
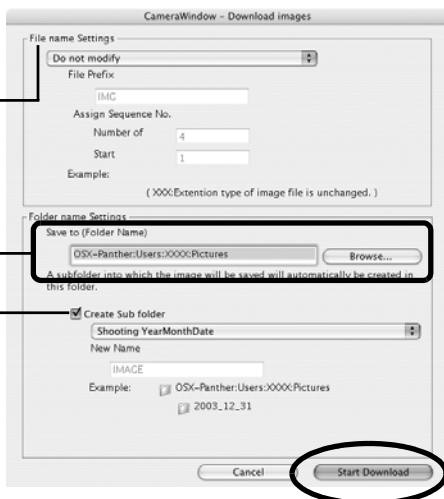
4   Click [Download images].
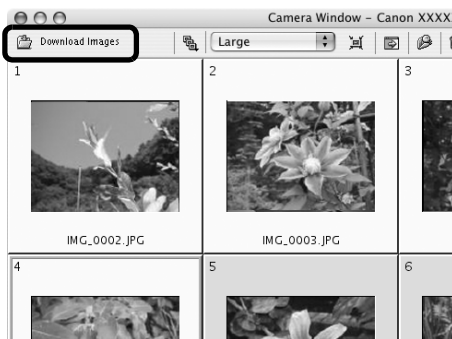
5   Confirm the destination folder and click [Start Download].

Specify the file name for saved images.

Specify the destination folder for the images.
You can change the destination folder by clicking [Browse] and selecting a new destination.

Select [Create subfolder] to create a new folder within the one specified above, and select a naming option.

The thumbnails of the downloaded images will display in the Browser Window of ImageBrowser when downloading is complete.

You can also download images to the computer by dragging images displayed in the Camera Browser Window and dropping them onto the Browser Area or Explorer Panel in ImageBrowser.

Other Downloading Methods
Your digital camera employs a standard image transfer protocol called Picture Transfer Protocol (PTP). With PTP, you can use the programs supplied as standard software with Mac OS X, such as iPhoto or Image Capture, to download images simply by connecting the camera to the computer with the interface cable. (ImageBrowser does not need to be installed.) However, there are some inconveniences and limitations to this downloading method. See the leaflet entitled *For Windows® XP and Mac OS X Users* for details.

Replaying Movies

1 Double-click an image with a movie icon in ImageBrowser's Browser Area.
The movie will appear in the Viewer Window.

Movie icon
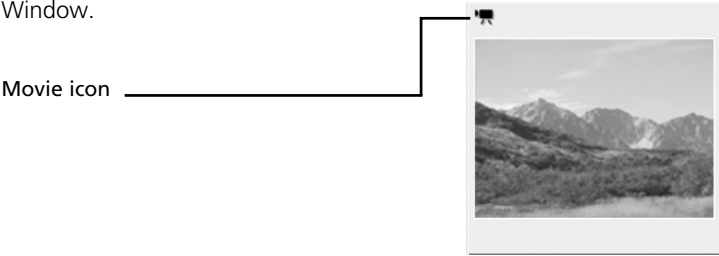
2 Click the [Play] ▶ button.

Editing Movies

You can create and edit movies: link movies and stills that have been downloaded to your computer, add background music, superimpose titles and other text, and apply various effects to the movies.

1 Select the image(s) to edit in ImageBrowser's Browser Area (movies or stills).
You can select multiple movies or stills.

2 Click the [Edit] menu and select [Movie Edit].

3 Follow the steps displayed in the middle of the window to edit the movie and save it.

Follow these steps to proceed.
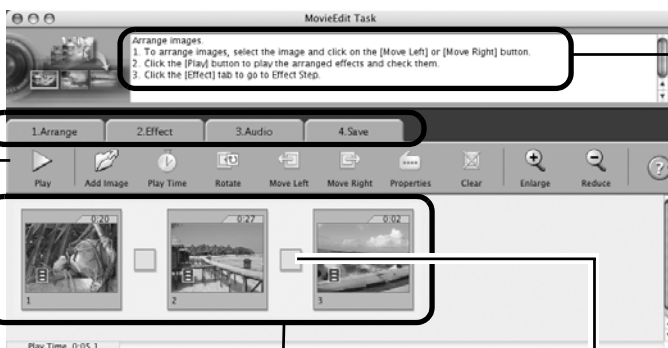
Instructions

Click this button for detailed operational instructions.

Click this button to play the movie being edited.

Storyboard Area
Displays thumbnails of the selected images.
Links images in order from left to right.

Transition Effect Box
Appears between adjacent images and displays the symbols of the transition effects linking images.

Converting RAW Images

RAW images are extremely high-quality images that are not subject to any deterioration due to compression processing. Since they are recorded with a special file format, they cannot be opened by many image editing programs. It is necessary to convert them to standard image file formats, such as TIFF or JPEG.

> • See *Information about Your Camera* (p. 96) to determine whether your camera model supports this function.
> • See the *Camera User Guide* for information about the camera settings for shooting RAW images.

Procedures for Converting RAW Images

1 Select a RAW image in ImageBrowser's Browser Area.

2 Click the [File] menu and select [RAW Image Processing].

The main window, the Navigator window and the Image Quality Adjustment Window will display.

Main Window

Use the buttons here to switch between images and display modes, rotate images, and set the conversion parameters.

Thumbnail

Check Mark
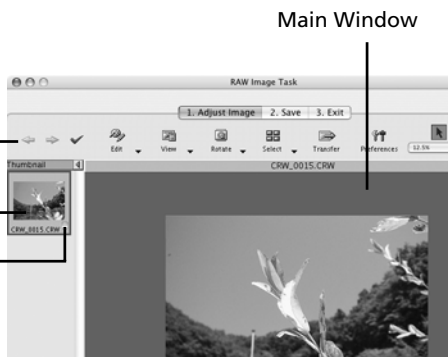
> If the navigator window does not display, click the [View] menu and select [Show Navigator].

3 Adjust the image quality as required in the Image Quality Adjustment Window.

This window is explained in the *Functions of the Image Quality Adjustment Window* section.

4 Click the [2. Save] tab, set the file format and destination, and then click [Save].
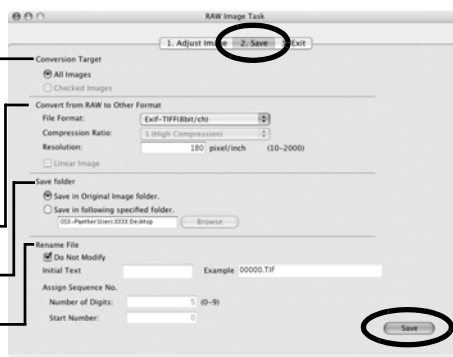
Select [All Images] or [Checked Images] (images checked in the main window) to apply the common conversion settings.

Select a file format

Set the file destination

You can also change the file name

This will convert the image.

5 Click the [3. Exit] tab and click [OK].

## Functions of the Image Quality Adjustment Window

The following adjustments can be made in the Image Quality Adjustment Window. The available settings may vary depending on the camera used.

This section adjusts the white balance according to the light source and color temperature.

This section adjusts the digital exposure compensation, photo effect, contrast, sharpness, and saturation.

The effect of the settings above can be viewed immediately if you place a check mark here.

Restores all settings to the settings stored in the camera at the time of shooting.
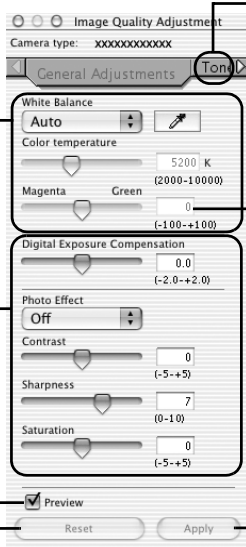
Tone Curve Tab
You can set the levels for the RGB channels separately or together.

Advanced Adjustments Tab
You can set the settings for adaptive noise control and the color space for the output. Click the arrow to display the tab.

If you cannot set the desired setting with the slider on the left, directly enter the setting here.

Applies the settings to the displayed image

You can change the coloration of the image to your preferred settings when you convert a RAW image. You can also select preset color schemes, such as Positive Film. Furthermore, you can add your own color schemes (My Color) to apply to other RAW images when they are being converted. See the PDF manual for ImageBrowser for more information (p. 2).

Operating the Shutter Remotely

You can record still images by using a computer to control the shutter of a connected camera. This is particularly useful for checking images on the larger display of the computer as you record them and for high volume photography without worrying about filling the camera's memory card.

Preparing for Remote Shooting

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal and place the camera in the correct mode for connecting.

> • Procedures for attaching the camera to the computer and placing it in the correct mode for connecting vary between camera models. See *Information about Your Camera* (p. 96).
> • Perform the settings described in *ImageBrowser Auto Start Settings* (p. 51) the first time you connect the camera to the computer.
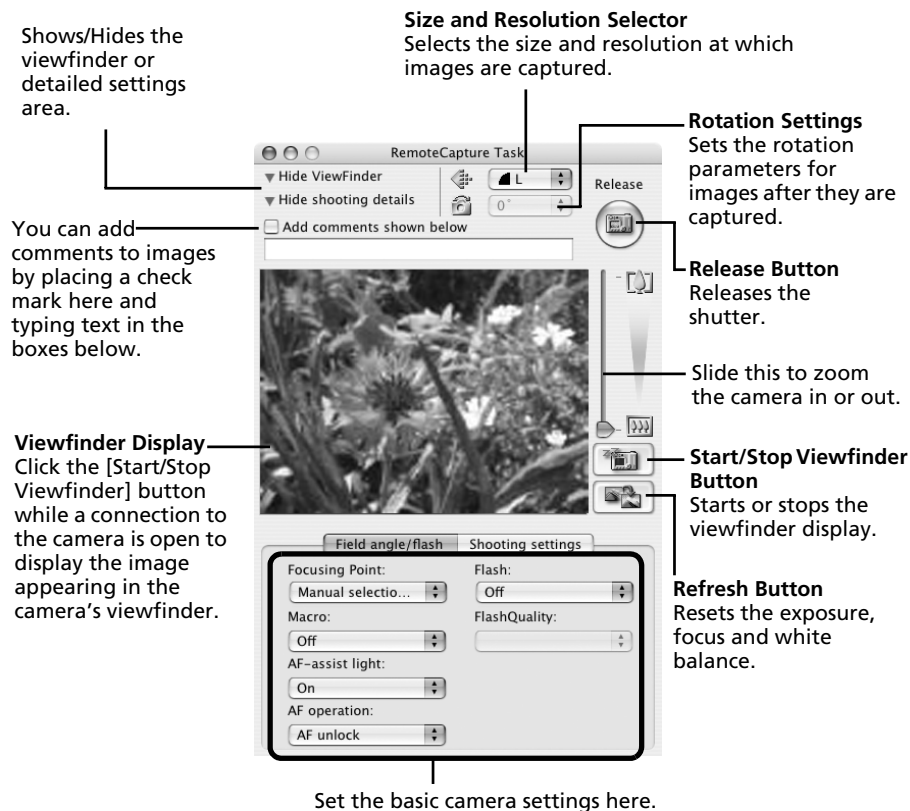
The Camera Control Window will display.

2 Open the lens cover or remove the lens cap on models equipped with them. Proceed to the next step if your model does not have one.

3 Click the [Remote shooting] tab.

4 Click [Starts Remote Shooting].

5 Select a destination for the captured images and click [Choose].

RemoteCapture Task Window

The RemoteCapture Task window has the following features.

Shows/Hides the viewfinder or detailed settings area.

Size and Resolution Selector
Selects the size and resolution at which images are captured.

Rotation Settings
Sets the rotation parameters for images after they are captured.

You can add comments to images by placing a check mark here and typing text in the boxes below.

Release Button
Releases the shutter.

Slide this to zoom the camera in or out.

Viewfinder Display
Click the [Start/Stop Viewfinder] button while a connection to the camera is open to display the image appearing in the camera's viewfinder.

Start/Stop Viewfinder Button
Starts or stops the viewfinder display.

Refresh Button
Resets the exposure, focus and white balance.

Set the basic camera settings here.

- The settings available in the RemoteCapture Task window vary between camera models.
- RemoteCapture Task locks the exposure and focus settings for the subject matter in the Viewfinder section. If the lighting or distance to the subject changes, click to reset these settings.

Remote Shooting

⚠️ Ensure that you turn off your computer's sleep mode before you begin remote shooting. The device performance cannot be guaranteed if the computer enters the sleep mode.

1 Click 📷 and check the subject in the viewfinder.

2 Change the image size or resolution, the rotation settings and the settings at the bottom of the window as required.

If you intend to hold the camera vertically to photograph a subject, you can save the image to the computer with the correct orientation if you set the rotation settings in advance.

> If your camera is equipped with the Auto Rotate function and you set it to On, the image will automatically be rotated and appear in the correct viewing orientation in the RemoteCapture Task window.

3 Click the [Release] button.

> • You can release the shutter by pressing the camera's shutter button or the keyboard's space key.
> • Other than the shutter button, the camera's buttons and switches, including the zoom, cannot be operated while the camera is being controlled with the Remote Shooting function.
> • You may notice that the interval between the shutter release and activation is slightly longer for remote shooting than when the camera is used independently.

Merging Panoramic Images - PhotoStitch

You can create a wide panoramic image by merging several images. It is easier to merge images if they are shot with the camera's Stitch Assist mode because PhotoStitch can automatically detect the image order and orientation.

Images Shot in Stitch Assist Mode

A sequence of images shot in Stitch Assist mode is saved into a single folder when it is downloaded from the camera. In addition, the symbol below displays by the image in the Browser Area.

Symbol displayed by images shot in Stitch Assist mode.

> • See the *Camera User Guide* for information about shooting in Stitch Assist mode.
> • Images shot in Stitch Assist mode with a wide converter, teleconverter or close-up lens cannot be merged accurately.

Starting PhotoStitch

1 Select a series of images in the ImageBrowser's Browser Area.

2 Click the [Edit] menu and select [PhotoStitch].

Instructions

3 Merge the images following the instructions in the guidance panel at the top of the PhotoStitch window.

Enjoy Customizing Your Camera with the My Camera Settings

The start-up image, start-up sound, shutter sound, operation sound, and self-timer sound are called the My Camera settings. You can add your favorite images and sounds from your computer to the My Camera settings. This topic explains how to upload the My Camera settings saved onto your computer to the camera and vice versa.

Displaying the My Camera Window

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal and place the camera in the correct mode for connecting.

> • Procedures for attaching the camera to the computer and placing it in the correct mode for connecting vary between camera models. See *Information about Your Camera* section (p. 96).
> • Perform the settings described in *ImageBrowser Auto Start Settings* (p. 51) the first time you connect the camera to the computer.

The Camera Control Window will display.

2 Click the [Set to Camera] tab.


```
○ ○ ○              Canon XXXXXXXXXX
    Acquire Images    Set to Camera    Remote shooting

    [icon]  Set My Camera

    [icon]  Set Slide Show/DPOF

    [icon]  Confirms/changes camera settings

    [icon]  Uploads images to the camera

    ( Preferences... )              ( Quit )
```

3 Click [Set My Camera].

The My Camera Window

ImageBrowser already contains several pre-recorded My Camera settings items. You can check these items with the My Camera window.

Type
Select the settings type.

Displays the list of settings files saved onto the computer.

Save to Camera
Save to Computer

Play Button
Plays the audio from the settings file in the camera.

Displays the settings in the camera.

Add Button
Adds the settings file to the list.

Delete Button
Deletes a settings file from the camera.

Play Button
Plays the audio from the selected settings file.

Send to Trash Button
Deletes a settings file from the computer.

Save to Camera Button
Click here to save the settings onto the camera.
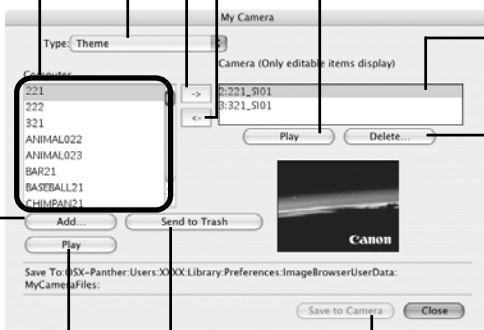
You can add new files as My Camera settings to the My Camera window. See *Adding New Data to the My Camera Window* (p. 79).

Saving the My Camera Settings to the Camera

> • My Camera settings can be selected and saved in either of two ways to the camera: individually or in theme sets.
> • The "Animal" theme, for example, features an animal in the start-up image and animal calls in each of the sound files. The names of the prepared files for the various My Camera settings themes all begin with the same root name. The start-up image and sound files in the "Animal" theme, for example, all begin with "Animal~".

> Do not detach the interface cable, turn the camera power off or disconnect the camera from the computer while the My Camera settings are being saved to the camera or the settings from the camera are being saved to the computer.

1 Select the type of setting in the Type list box that you wish to save to the camera.

2 Select the setting from the Computer list that you would like to add.

3 Select the setting in the Camera list that you would like to change and click the `->` button.

The Camera list setting will change to the selected file. If a setting for this category has previously been saved to the camera, it will be overwritten.
Repeat steps 1-3 as required.

4 Click the [Save to Camera] button.

This concludes the process of saving the My Camera settings to the camera.
To use this data on the camera, change the start-up image and sound settings on the camera itself. Please see the *Camera User Guide* for these instructions.

Saving the Camera's My Camera Settings to the Computer

1 Select the type of setting you wish to save to the computer from the Type list box.

2 Select the setting in the Camera list that you wish to save to the computer.

3 Click the `<-` button.

4 Input a file name to the selected setting and click the [OK] button.

This concludes the process of saving the My Camera settings to the computer.
Repeat steps 1-4 as required.

Adding New Data to the My Camera Window

Create a new image or sound file and add it to the My Camera window.

Create an Original Start-up Image File and then Add It

Start by using an image editing program to create the image file that will become the start-up image and save it to the computer. Create the file in the JPEG format at a size of (w) 320 x (h) 240 pixels.

1 Open the My Camera window, select [Start-up Image] from the Type list box.

2 Click the [Add] button.

3 Select the file you created and click [Open].

This concludes the process for adding new data.

You can save the newly created data to the camera using the procedures described in the *Saving the My Camera Settings to the Camera* section (p. 78).
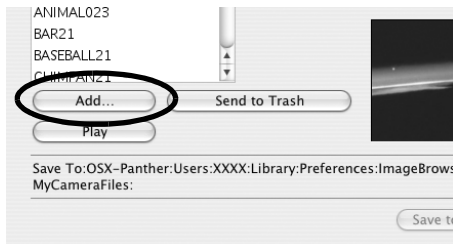
Add an Original Sound File

Use a program such as ArcSoft VideoImpression to change the file format to the WAV format after you have copied the sound file. Then proceed with the steps as described in *Create an Original Start-up Image File and then Add It*.

> • Record the sound as an 11.025 kHz or 8.000 kHz, 8 bit, mono sound in the WAV format.
> • The following chart shows standard time lengths for My Camera Sounds.

Type	Duration in Seconds	
	11.025 kHz	8.000 kHz
Start-Up Sound	1.0 sec. or less	1.3 sec. or less
Shutter Sound	0.3 sec. or less	0.4 sec. or less
Operation Sound	0.3 sec. or less	0.4 sec. or less
Self-Timer Sound	2.0 sec. or less	2.0 sec. or less

Appendices

This chapter introduces the CD-ROMs supplied with your camera and the procedures for installing the programs. It also explains how to uninstall the programs.
Read the *Troubleshooting* section in this chapter if you experience a problem using the programs.

About the CD-ROMs Supplied with the Solution Disk

Apart from the Canon Digital Camera Solution Disk, additional CD-ROMs containing image editing programs may be supplied with your camera. This topic explains the program features and installation procedures for the programs on these CD-ROMs.

> The CD-ROMs supplied with the cameras differ by model. See *Information about Your Camera* (p. 96).

ArcSoft Camera Suite 2.1 CD-ROM

This CD-ROM contains the following programs. A [●] symbol indicates it is supported, a [━] symbol that it is not.

Program	Compatible Operating System					
	Windows				Macintosh	
	98	Me	2000	XP	OS 9	OS X
ArcSoft PhotoStudio	●	●	●	●	●	●
ArcSoft VideoImpression	●*	●	●	●	●	●

The free hard disk space required to install ArcSoft Camera Suite 2.1 is 250 MB or more on a Windows system and 500 MB or more on a Macintosh system.
* Compatible with Windows 98 SE (Second Edition) only.

What Can Be Accomplished with ArcSoft Camera Suite 2.1

Special Effects and Image Editing for Various Purposes

•ArcSoft PhotoStudio

This program can be used to correct image color or brightness, apply special effects, and edit and print images. ArcSoft PhotoStudio is a high-performance, yet easy-to-use photo editing program from ArcSoft, Inc.

Programs for Editing Stills and Movies

•ArcSoft VideoImpression

This program provides simple procedures for compiling a movie from multiple movie clips or stills and for editing out unwanted frames from movies.

Installing ArcSoft Camera Suite 2.1

Windows

1 Close all programs that are running.

2 Place the ArcSoft Camera Suite CD-ROM in the drive.

Follow the onscreen messages to install PhotoStudio and VideoImpression.
If they do not display automatically, click the Windows [Start] menu, select [My Computer] and double-click the [ARCSOFT] icon or right-click it and select [Open], and double-click

the [Setup.exe] icon ![icon].
Windows 2000, Windows Me and Windows 98 users should double-click the [My Computer] icon on the desktop, double-click the [ARCSOFT] icon or right-click it and

select [Open], and double-click the [Setup.exe] icon ![icon].

Macintosh

•Installing ArcSoft PhotoStudio

1 Close all programs that are running.

2 Place the ArcSoft Camera Suite CD-ROM in the drive.

3 Open the CD-ROM window and double-click the [Installers], [English] and

[PhotoStudio Installer] icons ![icon].

Follow the onscreen messages to proceed with the installation.

4 Click [OK] when the message stating that the installation is complete appears.
Continue by installing ArcSoft VideoImpression.

•Installing ArcSoft VideoImpression

1 In the CD-ROM window, double-click the [Installers], [English] and

[VideoImpression 1.6 Installer] icons ![icon].

Follow the onscreen messages to proceed with the installation.

2 Click [OK] when the message stating the installation is complete appears.

3 Restart the computer after the installation is complete.

ArcSoft Camera Suite 1.3 CD-ROM

This CD-ROM contains the following programs. A [●] symbol indicates it is supported, a [—] symbol that it is not.

Program	Compatible Operating System					
	Windows				Macintosh	
	98	Me	2000	XP	OS 9	OS X
ArcSoft PhotoImpression	●*	●	●	●	●	●
ArcSoft VideoImpression	●*	●	●	●	●	●

The free hard disk space required to install ArcSoft Camera Suite 1.3 is 700 MB or more on a Windows system and 500 MB or more on a Macintosh system.
* Compatible with Windows 98 SE (Second Edition) only.

What Can Be Accomplished with ArcSoft Camera Suite 1.3
Special Effects and Image Editing for Various Purposes

•ArcSoft PhotoImpression
This program can be used to apply special effects, and edit and print images in simple steps. It can also be used to create postcards and calendars.

Programs for Editing Stills and Movies

•ArcSoft VideoImpression
This program provides simple procedures for compiling a movie from multiple movie clips or stills and for editing out unwanted frames from movies.

Installing ArcSoft Camera Suite 1.3
Windows

1 Close all programs that are running.
2 Place the ArcSoft Camera Suite CD-ROM in the drive.

Follow the onscreen messages to install PhotoImpression and VideoImpression.
If they do not display automatically, click the Windows [Start] menu, select [My Computer] and double-click the [ARCSOFT] icon or right-click it and select [Open], and double-click the [Setup.exe] icon 🖳.
Windows 2000, Windows Me and Windows 98 users should double-click the [My Computer] icon on the desktop, double-click the [ARCSOFT] icon or right-click it and select [Open], and double-click the [Setup.exe] icon 🖳.

Macintosh
•Installing ArcSoft PhotoImpression

1 Close all programs that are running.
2 Place the ArcSoft Camera Suite CD-ROM in the drive.

3 Open the CD-ROM window and double-click the [Installers], [English] and

[PhotoImpression Installer] icons .

Follow the onscreen messages to proceed with the installation.

4 Click [OK] when the message stating that the installation is complete appears.
Continue by installing ArcSoft VideoImpression.

•Installing ArcSoft VideoImpression
1 In the CD-ROM window, double-click the [Installers], [English] and

[VideoImpression 1.6 Installer] icons .

Follow the onscreen messages to proceed with the installation.

2 Click [OK] when the message stating that the installation is complete appears.
3 Restart the computer after the installation is complete.

Starting the ArcSoft Camera Suite Software

The Arcsoft Camera Suite software can be started from ZoomBrowser EX (Windows) or ImageBrowser (Macintosh).

ZoomBrowser EX
1 Click [Edit] in the task area of the Main Window, followed by [Edit Image].
2 Click [1. Select Images] and select an image to edit.
3 Click [2. Select Editing Tool] and select [Edit with external image editor].
4 Select a program from the list and click [3. Finish].

> If you cannot select the ArcSoft Camera Suite, register the program using the following procedures.
> 1. Select select [Edit with external image editor] as in Step 3 above and click [Manage List].
> 2. Click [Add] and select the ArcSoft Camera Suite.

ImageBrowser
1 After selecting an image to edit, click the [Edit] menu and select a program to start.

> To start ArcSoft VideoImpression, use the following procedures.
> 1. Click the [ImageBrowser] menu and select [Preferences]. Select [Browser Window] from the list box at the upper left of the Preferences window, and register VideoImpression by clicking [Add] in the "Register Application" category. This step is only required the first time.
> 2. Select an image to edit, click the [Edit] menu and select [Start Application], followed by [VideoImpression].

Manual for the ArcSoft Camera Suite

See inside the [Manuals] folder on each CD-ROM for the manuals.

Uninstalling the Software

The procedures for uninstalling the software are only required when you wish to delete the programs from your computer or when reinstallation is required to fix corrupted files.

Uninstalling the Software (Windows)

Software Installed from the Canon Digital Camera Solution Disk

This explanation uses ZoomBrowser EX to demonstrate how to uninstall a program.

1 Click the Windows [Start] menu and select [Programs] or [All Programs], followed by [Canon Utilities], [ZoomBrowser EX] and [ZoomBrowser EX Uninstall].

The uninstall utility will start and remove ZoomBrowser EX.

> • You can remove other programs with the same procedures.
> • To uninstall CameraWindow, be sure to follow the following procedures.
>   1. Click the [Start] menu and select [Programs] or [All Programs], followed by [Canon Utilities], [CameraWindow], [PowerShot - IXY-IXUS - DV] and [CameraWindow Uninstall].
>   2. Click the [Start] menu and select [Programs] or [All Programs], followed by [Canon Utilities], [CameraWindow], [EOS Digital] and [CameraWindow Uninstall].
>   3. Click the [Start] menu and select [Programs] or [All Programs], followed by [Canon Utilities], [CameraWindow] and [CameraWindow Uninstall].
> • PhotoRecord can be uninstalled by clicking the Windows [Start] menu and selecting [Programs] or [All Programs], followed by [Canon PhotoRecord] and [PhotoRecord Uninstall].

Uninstalling the Other Supplied Programs

ArcSoft Camera Suite 2.1, ArcSoft Camera Suite 1.3

• Uninstall the program by clicking the [Start] menu and selecting [Control Panel] and [Add or Remove Programs].
• With Windows 2000/Me/98, uninstall the program by clicking the [Start] menu and selecting [Settings] followed by [Control Panel] and [Add/Remove Programs].

Uninstalling the USB Driver (Windows)

Uninstall the USB Driver using the following procedures if you are using Windows 2000, Windows Me or Windows 98 SE.

It is essential to note that you will not be able to download images if you uninstall the USB driver.

You do not need to uninstall the USB driver with Windows XP.

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL Terminal. Prepare the camera for communication with the computer.
For interface cable connection instructions, see *Information about Your Camera* (p. 96).

2 Click the [Finish] button if the Camera Control Window displays.

3 Click the [Start] menu and select [Settings], followed by [Control Panel].

4 Double-click the [Scanners and Cameras] icon or folder.
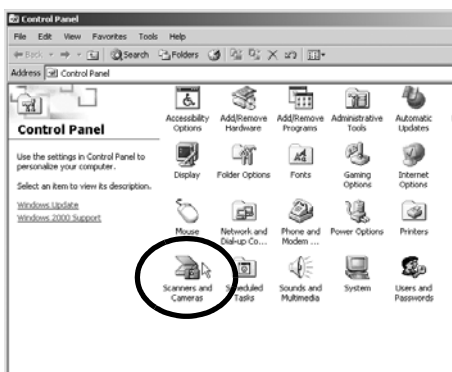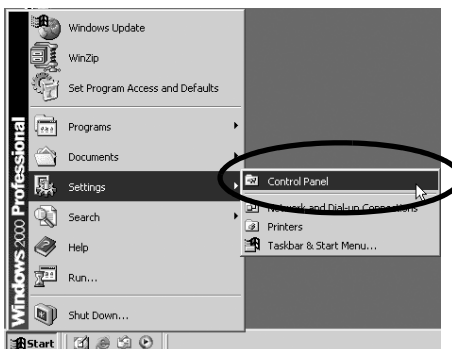
5 Delete your camera model name or [Canon Camera] in the [Scanners and Cameras Properties] dialog.

Windows Me users should delete their camera model or [Canon Camera] in the [Scanners and Cameras] folder.
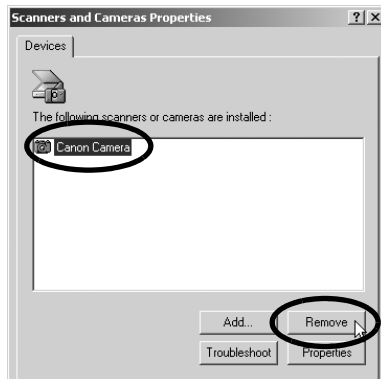
Windows 2000/Windows 98 SE
Select your camera model name or [Canon Camera] and click [Remove].

Windows Me
Select your camera model name or [Canon Camera], right-click the mouse and select [Delete].

If your camera model name does not appear here, see the *Camera not detected, Events dialog won't display or images will not download to the computer* (p. 89) of the *Troubleshooting* section.

6 Click the Windows [Start] menu and select [Programs] or [All Programs], followed by [Canon Utilities], [Camera TWAIN Driver x.x] and [Uninstall TWAIN Driver]. A version number appears in place of the "x.x".
  • Windows 2000, Windows 98 SE: Perform Step 6 with no substitutions.
  • Windows Me: Substitute the following for the underlined portions of Step 6.
    [Camera WIA Driver x.x], [Uninstall WIA Driver]

The uninstall process will start.

To connect the camera to the computer and download after this point, use the following procedures.
1. Reinstall the driver.
2. Connect the camera to the computer with the interface cable.
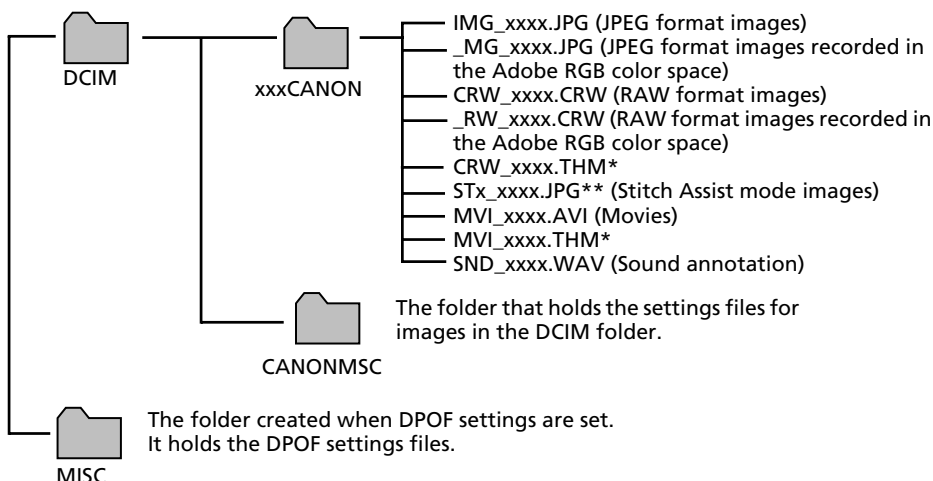
Uninstalling the Software (Macintosh)

Uninstall the programs by dragging the application's folder (the folder in which it was installed) into the Trash, and then empty the Trash.

Please be careful not to accidentally delete any folders with downloaded images that may be contained within the application folder.

Memory Card Folder Structure

The images on a memory card are placed in the [DCIM] folder in subfolders labeled [xxxCANON], where the "xxx" represents a number in the range 100 - 998.

DCIM

xxxCANON

IMG_xxxx.JPG (JPEG format images)
_MG_xxxx.JPG (JPEG format images recorded in the Adobe RGB color space)
CRW_xxxx.CRW (RAW format images)
_RW_xxxx.CRW (RAW format images recorded in the Adobe RGB color space)
CRW_xxxx.THM*
STx_xxxx.JPG** (Stitch Assist mode images)
MVI_xxxx.AVI (Movies)
MVI_xxxx.THM*
SND_xxxx.WAV (Sound annotation)

The folder that holds the settings files for images in the DCIM folder.

CANONMSC

The folder created when DPOF settings are set.
It holds the DPOF settings files.

MISC

- *Files with the THM extension are the thumbnail image files for the camera's index replay mode.
- The "xxxx" in file names represent four-digit numbers.
- **Each successive file shot in Stitch Assist mode is assigned a letter starting from "A," which is inserted as the third digit in the name. i.e. [STA_0001.JPG], [STB_0002.JPG], [STC_0003.JPG]...
- All folders except the "xxxCANON" folders contain image settings files. Do not open or delete them.

Troubleshooting

Please read this section if you encounter a problem using the software.

Start by Checking This

Investigate the following points first if you encounter a problem.

Does your computer satisfy the requirements listed in the *System Requirements* section (p. 8)?

Is the camera correctly connected to the computer?

See *Information about Your Camera* (p. 98) for the correct connection procedures. Also check to ensure that you are using the correct cable and that it is securely attached at both ends.

Is the camera set to the playback mode? (some models only)

Some models require the camera to be set to the playback mode to transfer data. See *Information about Your Camera* (p. 98) for details.

Is the battery sufficiently charged?

Check the battery charge if you are powering the camera with a battery. You are recommended to use a household power source (AC adapter) to power the camera when it is connected to a computer (if available for your camera model).

Problems

Try the suggested solutions to the common problems listed below.

USB driver installation not proceeding well (Windows)

Uninstall the driver (p. 85) before reinstalling it with the procedures in *Installing the Software and USB Driver* (p. 10).

Add New Hardware Wizard or New Hardware Found (Windows 2000) Wizard displays when the camera is connected to the computer with an interface cable.

Click [Cancel] to close the window. Temporarily disconnect the camera from the computer. Next, read *Start by Checking This* on the previous page and resolve the problem.

Images won't download into a TWAIN-compliant program (Camera and computer connected via interface cable (Windows 2000, Windows 98 SE)).

Click the [Finish] button in the Camera Control Window to close it.

Camera not detected, Events dialog won't display or images will not download to the computer (when camera is connected to the computer via an interface cable).

Cause 1:

There is a problem with one of the items in the *Start by Checking This* section (p. 88).

Solution:

Resolve the problem.

Cause 2:

The USB driver is not installed (Windows only).

Solution:

Install it with the procedures in *Installing the Software and USB Driver* (p. 10).

Cause 3:

The USB driver is not correctly installed (Windows only).

Solution:

Uninstall the driver (p. 85) before reinstalling it with the procedures in *Installing the Software and USB Driver* (p. 10).

Cause 4:

The camera may have been recognized as another device under the following circumstances (Windows only).
• The camera was connected to the computer before the USB driver was installed.
• The [Scanners and Cameras] icon or the [Scanners and Cameras] folder cannot be found in the [Control Panel] or the [Printers and Other Hardware] window.
• Your camera model name, [Canon Camera] or a camera icon does not display in the [Scanners and Cameras Properties] dialog or the [Scanners and Cameras] folder.

Solution 1:

Start with the following procedures.

Install the USB driver with the procedures in *Installing the Software and USB Driver* (p. 10). Then connect the camera to the computer with the interface cable and prepare it to transfer data. If the USB driver is already installed, uninstall it first and then reinstall it.

Solution 2:

If the problem is not resolved with the procedures in Solution 1, continue by implementing the following procedures. The specific steps are explained below.

1. Check to see if the camera is being recognized as an "other" device.
2. Delete the driver and the setup information files if it is being recognized as an "other" device.
3. Reinstall the driver.

This section explains the specific steps for each operating system.

Windows XP and Windows 2000

> Users of Windows XP and Windows 2000 must first log in as an Administrator (computer system administrator) to delete a driver.

Check to see if the camera is being recognized as an "other" device and delete the driver if it is.

1. **Windows XP:** Click the [Start] menu, followed by [Control Panel], [Performance and Maintenance] and [System].
   Windows 2000: Click the [Start] menu and select [Settings] and [Control Panel]. Double-click the [System] icon.
2. Click the [Hardware] tab, followed by [Device Manager].
3. Click the ⊞ symbol beside the [Other devices] and/or [Imaging devices] category. Your camera model name or [Canon Camera] will display in these categories if it is being recognized as an "other" device.
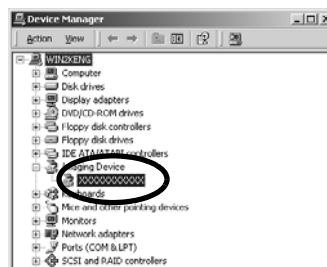
> There are other potential reasons for the problem if the "Other devices" or "Imaging devices" categories do not appear or your camera model name or [Canon Camera] does not appear. Proceed to Step 6, temporarily quit the procedures and investigate the other potential causes.

4. Select your camera model name or [Canon Camera], right-click and select [Delete].
5. Click [OK] in the confirmation dialog.
   Delete all instances of your camera model name or [Canon Camera] if it appears in one or more places in the [Other devices] or [Imaging devices] categories.
6. Close the System Properties window.

Step 7 and above are not required for Windows XP.

Delete the setup information files

7. Double-click the [My Computer] icon on the desktop, followed by the [C:] drive, [Winnt] folder and [Inf] folder.

If the [Inf] Folder Is Not Visible in the [Winnt] Folder
Use the following procedures to show all files and folders.

1. Open the [Winnt] folder.
2. Click the [Tools] menu and select [Folder Options].
3. Click the [View] tab.
4. In the [Files and Folders] category in the Advanced Settings section, set [Hidden files and folders] to [Show hidden files and folders]. Remove the check marks from [Hide file extensions for known file types] if it is present.
5. Click [OK] to close the dialog.

This will make the hidden files and folders visible.

---
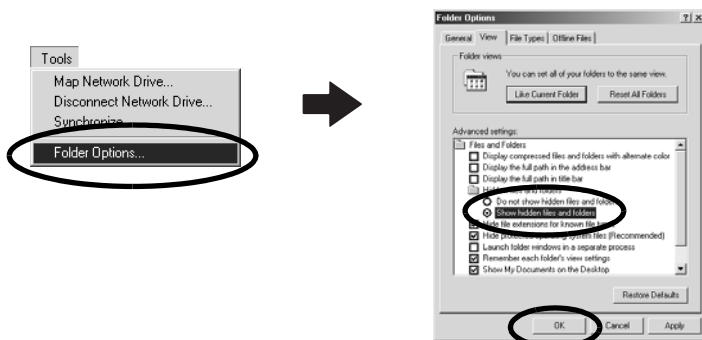
8. Look for files for Canon digital cameras that start with [CAP*].
   The "*" represents a number, such as 0 or 1.
   [CAP*] files come in pairs of [CAP*.inf] and [CAP*.pnf] files (For example, [CAP0.inf] and [CAP0.pnf]).

9. Double-click the [CAP*] files to check their contents.
Double-clicking an [CAP*.inf] file will open it in the Windows Notepad program. Look for [;****Canon Camera Driver Setup File****] in the first line. Note down the names of these files.

> ⚠ Several sets of [CAP*] files may be present in the [Inf] folder. Open up each file to confirm that it is an [CAP*] file for Canon digital cameras before you do anything with the file.

10. Delete the [CAP*] file set.
Delete the [CAP*.inf] and [CAP*.pnf] file for Canon digital cameras that you noted down in Step 9.

> ⚠ The Inf folder contains numerous files critical to the computer's operation. Be extremely careful to delete the correct files. If you delete the wrong files, you may be unable to restart Windows.

Reinstall the driver.

11. Reinstall the driver with the procedures in *Installing the Software and USB Driver* (p. 10).

Windows Me/Windows 98 SE
Check to see if the camera is being recognized as an "other" device and delete the driver if it is.

1. Click the [Start] menu and select [Settings], followed by [Control Panel]. Double-click the [System] icon.
This will display the System Properties window.
2. Click the [Device Manager] tab.
3. Click the ⊞ symbol beside the [Other devices] and/or [Imaging devices] category. Your camera model name or [Canon Camera] will display in these categories if it is being recognized as an "other" device.
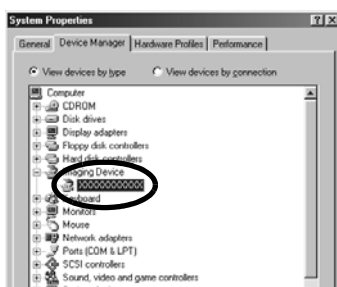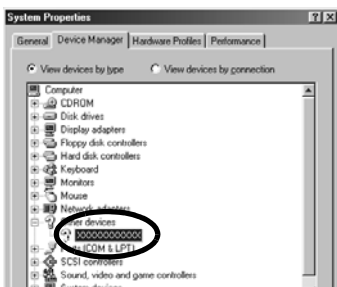
There are other potential reasons for the problem if the "Other devices" or "Imaging devices" categories do not appear or your camera model name or [Canon Camera] does not appear. Proceed to Step 6, temporarily quit the procedures and investigate the other potential causes.

4. Select your camera model name or [Canon Camera] and click [Remove].
5. Click [OK] in the confirmation dialog.
   Delete all instances of your camera model name or [Canon Camera] if it appears in one or more places in the [Other devices] or [Imaging devices] categories.
6. Click [OK] to close the System Properties window.

Delete the setup information files.

7. Double-click the [My Computer] icon on the desktop, followed by the [C:] drive, [Windows] folder and [Inf] folder.

If the [Inf] Folder Is Not Visible in the [Windows] Folder
Use the following procedures to show all files and folders.

1. Windows 98 SE: Click the [View] menu and select [Folder Options].
   Windows Me: Click the [Tools] menu and select [Folder Options].
2. Click the [View] tab.
3. Windows 98 SE: Set the [Hide files] section to [Show all files].
   Windows Me: Set the [Hidden files and folders] section to [Show hidden files and folders].
4. Click [OK] to close the dialog.

This will make the hidden files and folders visible.
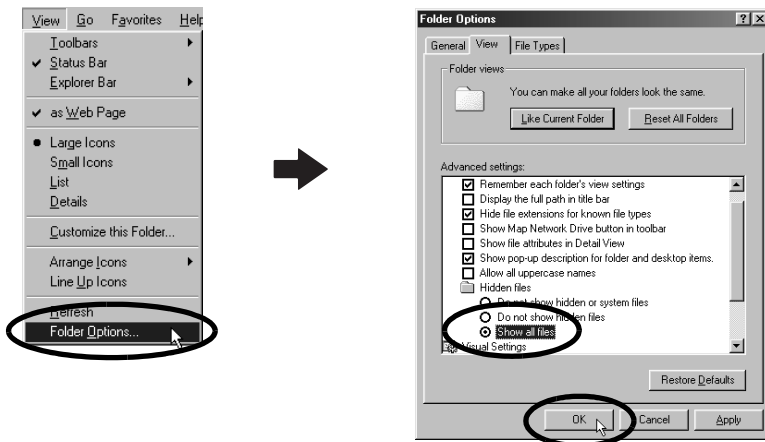
8. Find and delete the [Drvdata.bin] and [Drvidx.bin] files.
9. In the [Inf] folder, double-click the [Other] folder to open it.
10. Find and delete the [Canon.IncCAP_xxx.Inf] file (The xxx represents numerals.).

Canon.IncCAP
xxxx

> You do not need to delete anything if none of the above files are contained in the [Other] folder.

> The [Inf] folder contains numerous files critical to the computer's operation. Be extremely careful to delete the correct files. If you delete the wrong files, you may be unable to restart Windows.

Reinstall the driver

11. Reinstall the driver with the procedures in *Installing the Software and USB Driver* (p. 10).

Zooming Images in ZoomBrowser EX is Slow or Not Working

Some graphics cards or settings may cause the display of zoomed images in ZoomBrowser EX to slow down or malfunction. If this occurs, set your computer display's Hardware acceleration setting to a lower setting.

1. Click the Windows [Start] menu, followed by [Control Panel] and [Appearance and Themes].
   With Windows 2000, Windows Me, or Windows 98 SE, click the [Start] menu and select [Settings], followed by [Control Panel].
2. Click the [Display] icon, followed by the [Settings] tab, [Advanced] button and [Troubleshoot] tab.
   With Windows 2000, click the [Display] icon, followed by the [Settings] tab, [Advanced] button and [Troubleshoot] tab.
   With Windows Me or Windows 98 SE, click the [Display] icon, followed by the [Settings] tab, [Advanced] button and [Performance] tab.
3. Set the [Hardware acceleration] to a setting below [Full] and click [OK].
4. Restart the computer if prompted.

If You Were Using ZoomBrowser EX Version 2 or 3

Take the following steps if you were using ZoomBrowser EX version 2 or 3 with Windows.

If Titles and Comments Were Attached to Your Images.
Take the following steps to display in version 5 the titles and comments you input in version 2/3.

1. Use Windows Explorer to open the [Program] folder within the folder in which you installed ZoomBrowser EX 5.
   (e.g. C:\Program Files\Canon\ZoomBrowser EX\Program)
2. Double-click [dbconverter.exe] found in this folder to start this utility.
3. Select the database file you were using up to this point and click the [Start] button.
   (e.g. C:\Program Files\Canon\ZoomBrowser EX\Database\My Database.zbd)

   This will display the titles and comments input in the earlier versions in the comments section of ZoomBrowser EX 5.

If You Had Images in a Folder Below the Program Files Folder
Image files in the [Program Files] folder or a subfolder cannot be displayed in ZoomBrowser EX 5 from that location. To display these files, first perform steps 1-3 above and then carry on with Step 4.

4. Use Windows Explorer to copy the folder and the images it contains from the [Program Files] folder to another folder.
   (e.g. Copy the image folders in C:\Program Files\Canon\ZoomBrowser EX\Library One to another location.)

   The moved folder images can now be selected and displayed with ZoomBrowser EX 5.

Information about Your Camera

The software package and the procedures for connecting to a computer and preparing for data transfers vary between camera models. Certain software functions may also not be supported by some camera models.
Read this section to confirm the capabilities of your camera model.

Information Common to All Models

See the respective page for your camera model for information specific to that model (p. 98).

Programs and Compatible Operating Systems

The CD-ROM labeled "Canon Digital Camera Solution Disk" is provided with all models. It contains the following programs.

Program	Compatible Operating System				
	Windows				Macintosh
	98 SE	Me	2000	XP	OS X
ZoomBrowser EX	●				—
ImageBrowser	—				●
TWAIN Driver	●	—	●	—	—
WIA Driver	—	●	—	—	—
PhotoRecord	●				—
PhotoStitch	●				●

Connecting the Camera to a Computer

⚠ Ensure that you have installed the software from the supplied Canon Digital Camera Solution Disk before you connect the camera to the computer.

Item to Prepare
• Your camera and computer
• Canon Digital Camera Solution Disk
• Interface cable supplied with the camera

⚠ • Use the interface cable to attach the camera directly to a USB port on the computer, not through a USB hub. The connection may not operate correctly through a USB hub.
• The connection may not operate correctly if you are using other USB devices, excluding USB mice or keyboards, at the same time as the camera. If this occurs, disconnect the other devices from the computer and try reconnecting the camera.
• Do not connect two or more cameras at the same time to the same computer via the USB interface. The connections may not operate correctly.
• Never allow the computer to go into standby (sleep) mode while a camera is connected via the USB interface. If it does happen, never disconnect the interface cable. Try to awaken the computer with the camera in the connected state. Some computers will not awaken properly if you disconnect the camera while they are in standby (sleep) mode. Please refer to your computer manual for instructions regarding the standby (sleep) mode.

📝 You are recommended to power the camera from a household power source (AC adapter) when connecting to a computer (if available for your camera model). Ensure that you use fully charged batteries if you will not be using a household power source.

See the page (p. 98) for your specific model for information about connecting the camera to the computer.

PowerShot G6

How to Connect the Camera to a Computer and Prepare to Transfer Data

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal.

The camera and computer will automatically set themselves to the correct mode for communicating when they are connected.

CD-ROMs in the Package

• **Canon Digital Camera Solution Disk**

• **ArcSoft Camera Suite 2.1**

See *ArcSoft Camera Suite 2.1 CD-ROM* (p. 80) for information about the features and installation procedures for the programs on the disk.

Non-Supported Programs and Features

All programs and features are supported.

PowerShot S70

How to Connect the Camera to a Computer and Prepare to Transfer Data

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal.

The camera and computer will automatically set themselves to the correct mode for communicating when they are connected.

CD-ROMs in the Package

• **Canon Digital Camera Solution Disk**

• **ArcSoft Camera Suite 2.1**

See *ArcSoft Camera Suite 2.1 CD-ROM* (p. 80) for information about the features and installation procedures for the programs on the disk.

Non-Supported Programs and Features

All programs and features are supported.

PowerShot SD300 DIGITAL ELPH/DIGITAL IXUS 40
PowerShot SD200 DIGITAL ELPH/DIGITAL IXUS 30

How to Connect the Camera to a Computer and Prepare to Transfer Data

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal.

2 Set the mode switch to the playback mode and turn the camera's power on.
This will prepare the camera to exchange data with the computer.

CD-ROMs in the Package

•**Canon Digital Camera Solution Disk**

•**ArcSoft Camera Suite 1.3**
See *ArcSoft Camera Suite 1.3 CD-ROM* (p. 82) for information about the features and installation procedures for the programs on the disk.

Non-Supported Programs and Features

• **The camera does not record RAW images.**

• **The camera shutter cannot be controlled from a computer.**

PowerShot SD20 DIGITAL ELPH/DIGITAL IXUS i5

How to Connect the Camera to a Computer and Prepare to Transfer Data

1 Attach the supplied interface cable to the computer's USB port and the camera's DIGITAL terminal.

2 Set the mode switch to the playback mode and turn the camera's power on.
This will prepare the camera to exchange data with the computer.

CD-ROMs in the Package

•**Canon Digital Camera Solution Disk**

•**ArcSoft Camera Suite 1.3**
See *ArcSoft Camera Suite 1.3 CD-ROM* (p. 82) for information about the features and installation procedures for the programs on the disk.

Non-Supported Programs and Features

• **The camera does not record RAW images.**

• **The camera shutter cannot be controlled from a computer.**

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