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Describes how to install Digital Photo Professional in your computer.

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Describes the functions of the main window, and how to display images and perform basic edits on them.

3 Performing Detailed Edits in the Edit Window ......................... 3-1
Describes the functions of the edit window, and how to display images and perform detailed edits on them.

4 Performing Detailed Edits in the Edit Image Window ............... 4-1
Describes the functions of the edit image window, and how to display images and perform detailed edits on them.

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About This Manual

How to Read the Manual and the Conventions Used

- Where explanations are common to all operating systems, the screens used in the examples are from Windows XP.
- In this document, square brackets [ ] are used to indicate items such as button names and icon names that appear on the computer screen.
- Numbers in parentheses in this document indicate reference pages.
- In this document indicates the sequence of operation as shown below.
  Example: [View] menu ▶ [Sort] ▶ [File name]

- In order to transfer images from Digital Photo Professional to Photoshop, you will need Adobe Photoshop (third-party product). This manual shows how to transfer images to Adobe Photoshop 7.0, as an example.
- The explanations given below describe the type of content indicated by the respective icons.
  - Marks information that should be read before use to prevent problems that would interfere with the functioning of software and computer.
  - Marks additional information that you will find helpful.

Safety Precautions

Please read the safety precautions carefully before using this product. Ensure that you use the product correctly according to the procedures described in these instructions.

The following safety precautions are intended to instruct you in the safe and correct operation of the product and its accessories to prevent injuries or damage to yourself, other persons and property. Please read and ensure that you understand them before you proceed to the other sections of these instructions.

⚠️ Warning

Do not play the supplied CD-ROM(s) in any CD-ROM Player that does not support data CD-ROMs. The extremely loud sound that may result from playing the CD-ROM(s) in an audio CD player (music player) could damage the speakers. It is also possible to suffer hearing losses from listening with headphones to the loud sounds of a data CD-ROM played on a music CD player.
Main Features and Structure

Digital Photo Professional is software dedicated for EOS DIGITAL images that has high-speed processing/editing functions, which meet the needs of professional or high-end amateur users who mainly shoot RAW images. This software allows you to perform the following edits on images.

- High-speed displaying/processing RAW images with Canon’s own high-performance algorithm.
- Switching among the main window (displayed as thumbnails), the edit window, and the edit image window to match the purposes of editing.
- Real-time adjustments of images for satisfying professional digital workflow.
  - RAW images: White balance, Brightness, Dynamic range, and Color adjustment
  - RAW, RGB images (JPEG, TIFF images): Tone curve, Brightness, and Color adjustment
- Supports a Color Management System.
- Supports color space of sRGB, Adobe RGB, and Wide Gamut RGB.
- Effectively converting and saving multiple RAW images in a single operation (batch-processing).
- Includes a comparison mode that allows you to adjust an image while comparing an edited image with the original in the same window.
- Editing multiple images while comparing each of them.
- Saving and applying recipe data (the edit data from multiple functions).
- Digital Photo Professional consists of the following windows, each of which is opened from the main window that appears when you start up Digital Photo Professional.

**Main Window**
- Displaying thumbnail images and performing basic edits

**Edit Image Window**
- Selecting one image from multiple images and performing detailed edits on the image

**Switches between**
- Double-click to display

**Edit Window**
- Performing detailed edits on a single image

**Converting and saving RAW images in a single operation (batch-processing)**
- Converting and saving multiple RAW images in a single operation
Operation Flow
This section describes typical methods of operating Digital Photo Professional.

Example 1: Displaying Thumbnail Images and Performing Basic Edits in the Main Window

1. Start up Digital Photo Professional (2-2).
2. Display an image in the main window (2-5).
3. Perform the basic edits on the image (2-14, 2-17).

The main window allows you to perform the following edits on images:

<table>
<thead>
<tr>
<th></th>
<th>RAW images</th>
<th>JPEG/TIFF images</th>
</tr>
</thead>
<tbody>
<tr>
<td>White balance</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Click white balance function (RAW)</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Brightness (RAW)</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Click white balance function</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Brightness</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
Example 2: Performing Detailed Edits on a Single Image in the Edit Window

Start up Digital Photo Professional (2-2).

Select an image in the main window (2-6).

Display the image in the edit window (3-2).

Edit the image (3-7, 3-12).

Compare the edited image with the original (3-6).

Convert and save the image (2-29).

Transfer the image to Photoshop (2-34).

The edit window allows you to perform the following edits on images:

<table>
<thead>
<tr>
<th></th>
<th>RAW images</th>
<th>JPEG/TIFF images</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brightness (RAW)</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>White balance</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Dynamic range</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Color</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Tone curve</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Color</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
Example 3: Selecting One Image from Multiple Images and Performing Detailed Edits on the Image in the Edit Image Window

Start up Digital Photo Professional (2-2).

Select images in the main window (2-6).

Display the images in the edit image window (4-2).

Edit the image (2-14, 2-17, 3-7, 3-12).

Compare the edited image with the original (3-6).

Convert and save images in a single operation (2-31).

Transfer the image to Photoshop (2-34).

The edit image window allows you to perform the following edits on images:

<table>
<thead>
<tr>
<th></th>
<th>RAW images</th>
<th>JPEG/TIFF images</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brightness (RAW)</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>White balance</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Dynamic range</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Color</td>
<td>○</td>
<td>—</td>
</tr>
<tr>
<td>Tone curve</td>
<td>○</td>
<td>○</td>
</tr>
<tr>
<td>Color</td>
<td>○</td>
<td>○</td>
</tr>
</tbody>
</table>
**System Requirements**

<table>
<thead>
<tr>
<th><strong>OS</strong></th>
<th>Windows XP (Professional/Home Edition), Windows 2000 Professional</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Computer</strong></td>
<td>PC with one of the above OS preinstalled</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>750 MHz Pentium III or better (2 GHz Pentium 4 or better recommended)</td>
</tr>
<tr>
<td><strong>RAM</strong></td>
<td>Minimum 256 MB (1 GB or more recommended)</td>
</tr>
<tr>
<td><strong>Hard disk space</strong></td>
<td>At installation: 20 MB or more During operation: 256 MB or more</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>Screen resolution: 1024 by 768 pixels or more Color quality: Medium (16 bit) or more</td>
</tr>
</tbody>
</table>

- A CD-ROM drive is required for installation.

**Supported Image Formats**

<table>
<thead>
<tr>
<th>Image Format</th>
<th>File Extension</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAW images shot on an EOS-1Ds or EOS-1D camera</td>
<td>.TIF</td>
</tr>
<tr>
<td>RAW images shot on an EOS-1D Mark II camera</td>
<td>.CR2</td>
</tr>
<tr>
<td>DCF 1.0 or 2.0, Exif 2.2 or 2.21-compatible JPEG* or JFIF images</td>
<td>.JPG, .JPEG</td>
</tr>
<tr>
<td>Exif-compatible TIFF images*</td>
<td>.TIF, .TIFF</td>
</tr>
</tbody>
</table>

* Including the TIFF and JPEG images that are converted from RAW images and saved with Digital Photo Professional.
Installing the Software

This chapter describes how to install Digital Photo Professional in your computer.

Installing Digital Photo Professional ...............................................................1-2
When You Have Problems with Installation..................................................1-6
If the Installer Panel Does Not Appear .........................................................1-6
Installing Digital Photo Professional

Check that your computer complies with the system requirements for the software (8), and then install Digital Photo Professional as you follow the installation procedure.

1 Start up your computer.
   - Exit any programs that are running.

2 Insert the CD (Digital Photo Professional Disk).
   → The Installer panel appears.

   If the Installer panel does not appear, see (1-6).

3 Click the [English] button.
   → The display switches to the next step.
4 Click the [Install] button.
   - The [Welcome to the InstallShield Wizard for Canon Utilities Digital Photo Professional X.X] dialog box appears.
   - “x.x” represents the version of Digital Photo Professional.

If the dialog box that prompts you to restart your computer appears, restart your computer. After the computer restarts, the software installation process continues automatically.

5 Click the [Next] button.
   - The [License Agreement] dialog box appears.

6 Check the details of the License Agreement and then click the [Yes] button.
   - The [Choose Destination Location] dialog box appears.
7 Check the folder in which the software will be installed and then click the [Next] button.

- The installation begins. When the installation finishes, the [InstallShield Wizard Complete] dialog box appears.

8 Click the [Finish] button.

- The Installer panel appears.

9 Click the [Exit] button.

- The Installer panel closes to end the installation.
Remove the CD.
When You Have Problems with Installation

If you have problems with installation, check the items listed below.

- **If you are using Windows XP Professional or Windows 2000, are you using the computer under a user setting other than [Computer administrator] or [Administrator]?
  → You cannot install software if a user setting other than [Computer administrator] or [Administrator] is selected. Select the [Computer administrator] user setting in Windows XP Professional or the [Administrator] user setting in Windows 2000. For detailed information on selecting the user setting, refer to the manuals supplied with your computer.

- **Is there sufficient hard disk space?**
  → 20 MB or more of hard disk space is required at installation, and 256 MB or more is required during operation.

- **Are you using any operation system other than Windows XP and Windows 2000?**
  → Digital Photo Professional cannot be installed in Windows Me or Windows 98 SE.

If the Installer Panel Does Not Appear

Displaying Thumbnail Images and Performing Basic Edits in the Main Window

This chapter describes the functions of the main window, and how to display images and perform basic edits on them.

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Selecting Images ............................ 2-6
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Selecting the Thumbnail Size ...... 2-10
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Click the [Start] button ➤ select [All Programs] ([Programs] in Windows 2000) ➤ [Canon Utilities] ➤ [Digital Photo Professional] ➤ [Digital Photo Professional].

Alternatively, you can start up Digital Photo Professional by double-clicking the [Digital Photo Professional] icon on the desktop.

**Main Window**

- **Toolbar**
- **Menu bar**
  Displays the [File], [Edit], [View], [Bookmark], [Adjustment], [Tools], and [Help] menus.
- **Path display**
  Displays the path of the drive and folder that contain the currently displayed image.
- **Image display area**
- **Tree View Area (2-5, 2-7)**
  - Displays whether or not recipe data is attached to the selected image.
  - Displays the total number of images.
  - Displays the number of the currently selected images.
  - Displays the coordinates of the cursor position and the RGB values (8-bit conversion) of an image while operating the click white balance (2-15, 2-22).

* The above window shows all the information at once. In actual use, only the information needed is displayed.

To exit Digital Photo Professional, select [File] menu ➤ [Exit].
Menu Bar

File menu

- Open in Edit window... Ctrl+O
- Add recipe and save Ctrl+S
- Add recipe and save as... Shift+Ctrl+S
- Convert and save... Ctrl+D
- Batch save... Ctrl+B
- Print... Ctrl+P
- Print with EasyPhotoPrint Ctrl+E
- Delete DEL
- Info... Ctrl+I
- Exit Alt+F4

Edit menu

- Paste on clipboard.
- Copy images to the clipboard.
- Moves images to the clipboard.

View menu

- Edit in Edit window... Ctrl+Right Arrow
- Folders
- Toolbar
- Large thumbnail Ctrl+1
- Middle thumbnail Ctrl+2
- Small thumbnail Ctrl+3
- Thumbnail with information Ctrl+4
- Sort

Bookmark menu

- Add
- Organize...

Adjustment menu

- Rotate Left Ctrl+L
- Rotate Right Ctrl+R
- Add check mark Ctrl+M
- Remove check mark Shift+Ctrl+M
- White Balance
- Brightness adjustment (RAW)
- Brightness adjustment
- Work color space
- Reset to last saved settings
- Reset to shot settings

Tools menu

- Start EOS Capture
- Transfer to Photoshop
- Preferences... Ctrl+K

Help menu

- Version information
- Displays the version information of Digital Photo Professional.
Starting up Digital Photo Professional

**Toolbar**

- **Clear check button**: Removes a check mark.
- **Batch save button (2-31)**
- **Rotate right button (2-14)**
- **Click (RAW) button (2-22)**
- **Click button (2-15)**
- **Brightness adjust button (2-16)**
- **Brightness (RAW) button (2-23)**
- **White balance button (2-18)**
- **Clear all button (2-6)**
- **Folders button (2-13)**
- **Edit image window button (2-11, 4-2)**
- **Check button**: Sets a check mark.
- **Select all button (2-6)**
- **Rotate left button (2-14)**

* The above toolbar shows all the information at once. In actual use, only the information needed is displayed.

**Information Displayed with Images**

The following shows the information displayed when [Large thumbnail] is selected for the thumbnail size (2-10).

- **Checkmark**: Clicking the [Check] button shows the check mark.
- **Aperture value**: The aperture value used when images were shot is displayed.
- **Shutter speed**: The shutter speed used when images were shot is displayed.
- **RGB mark**: This mark is displayed for images for which the RGB processing was performed.
- **Editing mark**: This mark is displayed for unsaved images being edited.
- **Recording format**: The [RAW] symbol is displayed for RAW images. (When [Small thumbnail] is selected, the [R] symbol is displayed). No symbol is displayed for JPEG and TIFF images.

**Brightness adjustment value (2-23)**

This value is displayed for images for which the brightness (RAW) was adjusted.

**White balance (2-19)**

The icon for the specified white balance is displayed with RAW images only.

**File name**
Displaying Images

You can display images saved in your computer on the main window.

**Click the folder in which images are saved.**

You cannot display images saved on a memory card in the camera. You must save images to your computer using other software supplied with the camera or a third-party card reader.

See “Supported Image Formats” (8) for image formats that you can display.

- Images that cannot be displayed appear as [X].
- Images that were shot with the camera held vertically with [Auto rotate] setting to <ON> are automatically displayed vertically.
- You can display images saved on a memory card using a third-party card reader.
Selecting Images

Click the target image.
- The frame around the selected image is colored.
- To select multiple images, hold down the <Ctrl> key and click the images.
- To select sequential images, click the first image and then hold down the <Shift> key and click the last image.

Click the [Select all] button.
- Alternatively, you can select images by selecting the [Edit] menu ➤ [Select All].
- Clicking the [Clear all] button deselects all the images.
- Alternatively, you can deselect images by selecting the [Edit] menu ➤ [Clear All].
Selecting Images According to Conditions

Select [Edit] menu ▶ [Select RAW photos only].
- If you select [Edit] menu ▶ [Select check marked photos only], you can select only the images for which the check mark (2-4) is specified.

Registering Frequent Use Folders with the Menu

You can register frequent use folders with the [Bookmark] menu.

1. Click a folder on the Tree View Area.

2. Select [Bookmark] menu ▶ [Add].
   - The folder is registered with the [Bookmark] menu.
   - The registered folder can be selected from the [Bookmark] menu.
Organizing Frequent Use Folders

You can change the name of the folder or delete the folder that was registered with the [Bookmark] menu.

1. Select [Bookmark] menu ▶ [Organize].  
   ➰ The [Sort bookmarks] dialog box appears.

2. Change the folder name or delete the folder.

   The folder name that is selected in the bookmark folder display area is displayed.
   - To change the folder name, select the folder in the bookmark folder display area, change the displayed folder name, and then click the [Change] button.
   - To delete the folder, select the folder in the bookmark folder display area, then click the [Delete] button.

3. Click the [Close] button.
Deleting Images

You can move unnecessary images to the Recycle Bin on your computer and delete them.

1. Select images and then select [File] menu ▶ [Delete].
   - The [Confirm File Delete] dialog box appears.
   - If you select multiple images, the [Confirm Multiple File Delete] dialog box appears.

2. Click the [Yes] button.
   - The images are moved to the Recycle Bin.

   - The images are deleted.

⚠ Images that you deleted in step 3 cannot be restored. Check carefully before deleting images.
- When multiple images are selected, all the selected images will be deleted. Take particular care when you have just finished a task involving the selection of multiple images.
Selecting the Image Display Mode

You can change the display size or method and sort images according to conditions.

Selecting the Thumbnail Size

The available image sizes are [Large thumbnail], [Middle thumbnail], and [Small thumbnail]. Various information (2-4) is displayed in the display area.

Select [View] menu ➤ [Large thumbnail], [Middle thumbnail], or [Small thumbnail].

Image with Information Display

You can display the brightness histogram and the shooting information for images.

Select [View] menu ➤ [Thumbnail with information].
Displaying the Edit Window

You can enlarge the image and perform detailed edits.

**Double-click an image.**

- The edit window appears.
- See Chapter 3 “Performing Detailed Edits in the Edit Window” for the information on the edit window.

Displaying the Edit Image Window

You can select one image from multiple images and perform detailed edits.

**Select multiple images and then click the [Edit image window] button.**

- The main window switches to the edit image window.
- See Chapter 4 “Performing Detailed Edits in the Edit Image Window” for the information on the edit image window.
Displaying Image Information
You can check various information for images.

Select images and then select [File] menu ➤ [Info].
- The image information appears.
- Clicking the [Close] button closes the dialog box.

Sorting Images
You can sort images according to conditions.

Select [View] menu ➤ [Sort] ➤ [File name], [RAW priority], [Check mark], or [Shooting Date/Time].
- The images are sorted according to the selected condition as shown below.

- [File name]: Sorted in alphanumeric order (0 to 9 → a to z).
- [RAW priority]: Displays in the following order:
  - RAW images (CR2 → TIF) → RGB images (JPG → TIF)
  - If multiple files have the same file extension, they are sorted in order of [File name].
- [Check mark]: Displays the image with a check mark (sorted in order of [File name]) → the image without a check mark (sorted in order of [File name]).
- [Shooting Date/Time]: Sorted by shooting date and time. If multiple images were taken on the same date and time, they are sorted in order of [File name].
Hiding the Tree View Area

Click the [Folders] button.

- Alternatively, you can hide the Tree View Area by selecting [View] menu ➤ [Folders].
- Performing the same operation again shows the Tree View Area.

Hiding the Toolbar

Select [View] menu ➤ [Toolbar].

- Performing the same operation again shows the toolbar.
Editing Images

You can perform various edits on the RAW, JPEG, and TIFF images that are supported by Digital Photo Professional.

1 Select an image (2-6).

2 Edit the image (2-14 to 2-16).
   - Alternatively, you can apply edits to other images by copying and pasting the edit data to the other images (2-26).
   - You can also revert edited images to the last saved settings or shot settings (2-27).

3 Save the image (2-28).

⚠️ Before exiting Digital Photo Professional, you must save the edited images (2-28).

See “Supported Image Formats” (8) for the images that are supported by Digital Photo Professional.

💡 When multiple images are selected, the edits are applied to all the selected images.
   - The editing data can be saved in a separate file (2-25).
   - The edited images can be transferred to Adobe Photoshop (2-34).

Rotating Images

You can rotate a selected image by 90-degree increments left or right.

Click the [Rotate left] or [Rotate right] button.

- Alternatively, you can rotate images by selecting [Adjustment] menu ▶ [Rotate Left] or [Rotate Right].

💡 Images that were shot with the camera held vertically with [Auto rotate] setting to <ON> are automatically displayed vertically.
- If a rotated image is displayed in another application, the image may not appear rotated.
Click White Balance Function

You can automatically adjust the white balance simply by clicking a point in a neutral part of the image.

1  Click the [Click] button.
   - When you move the cursor over the image, the cursor changes to [ ].

2  Click a point in a neutral part of the image.
   - If you click on another point over the image, the white balance is adjusted again.
   - If you finish this operation, click the [Click] button or right-click.

- The coordinates of the cursor position and the RGB values (8-bit conversion) of an image are displayed in the lower-left of the main window (2-2).
- The image is adjusted based on the value of 1 x 1 pixels from the clicked point.
- You can also adjust the white balance by clicking an achromatic color (neutral gray) part of the image.
Adjusting the Brightness

You can adjust the brightness of an image in the range of –100 to +100 in 1-stop increments.

1. Click the [Brightness adjust] button.
   - The [Brightness adjustment] dialog box appears.
   - Alternatively, you can display this dialog box by selecting [Adjustment] menu ➔ [Brightness adjustment].

2. Adjust an image while viewing it.
   - Drag the slider left or right to adjust the brightness.
   - Enter a value to adjust the brightness.

3. Click the [Close] button.
Editing RAW Images

You can perform various edits on the RAW images that are supported by Digital Photo Professional.

1 Select a RAW image (2-6).

2 Edit the RAW image (2-18 to 2-24).
   - Alternatively, you can apply edits to other images by copying and pasting the edit data to the other images (2-26).
   - You can also revert edited images to the last saved settings or shot settings (2-27).

3 Convert and save the image (2-29, 2-31).

⚠️ Before exiting Digital Photo Professional, you must save the edited images (2-29, 2-31).
   - See “Supported Image Formats” (8) for the types of RAW images that are supported by Digital Photo Professional.

💡 When multiple images are selected, the edits are applied to all the selected images.
   - The editing data can be saved in a separate file (2-25).
   - The edited images can be transferred to Adobe Photoshop (2-34).
Adjusting the White Balance

You can adjust the white balance using the mode settings, color temperature settings, color wheel, and click white balance function.

1. **Click the [White balance] button.**
   - The [White balance adjustment] dialog box appears.
   - Alternatively, you can display this dialog box by selecting [Adjustment] menu ➔ [White Balance].

2. **Adjust the white balance by making each setting (2-19 to 2-22).**

3. **Click the [Close] button.**
Selecting the White Balance
You can select white balance from the list box.

Select the white balance.

<table>
<thead>
<tr>
<th>White Balance</th>
<th>Details</th>
<th>Color Temp. K (Kelvin)</th>
</tr>
</thead>
<tbody>
<tr>
<td>shot settings</td>
<td>To apply the white balance setting used when the shot was taken.</td>
<td>—</td>
</tr>
<tr>
<td>Auto</td>
<td>Automatically adjusts the white balance.</td>
<td>Approx. 3000 to 7000</td>
</tr>
<tr>
<td>Daylight</td>
<td>For sunny daylight outdoors.</td>
<td>Approx. 5200</td>
</tr>
<tr>
<td>Shade</td>
<td>For shaded areas outdoors.</td>
<td>Approx. 7000</td>
</tr>
<tr>
<td>Cloudy</td>
<td>For cloudy or hazy days and during sunset.</td>
<td>Approx. 6000</td>
</tr>
<tr>
<td>Tungsten light</td>
<td>For tungsten (light bulb) light.</td>
<td>Approx. 3200</td>
</tr>
<tr>
<td>Fluorescent light</td>
<td>For fluorescent light.</td>
<td>Approx. 4000</td>
</tr>
<tr>
<td>Flash</td>
<td>When flash is used.</td>
<td>Approx. 6000</td>
</tr>
<tr>
<td>Color temp.</td>
<td>You can manually set color temperature for 2800 to 10000K (in 100K increments) (2-20).</td>
<td>Approx. 2800 to 10000</td>
</tr>
<tr>
<td>Click white balance</td>
<td>Displayed for images on which you performed the click white balance.</td>
<td>—</td>
</tr>
</tbody>
</table>
Specifying the Color Temperature
You can specify the color temperature in the range of 2800 to 10000K (in 100K increments) to adjust the white balance.

1. Select [Color temp.].

2. Adjust an image while viewing it.

Drag the slider left or right to adjust the color temperature.

The adjusted value appears.
Adjusting the Color Wheel
You can select a desired color from the color wheel to adjust the white balance. You can also specify the hues in the range of 0 to 359 (in 1-stop increments), and the saturation in the range of 0 to 255 (in 1-stop increments).

1. Click the [Tune] button.
   - The color wheel appears.

2. Adjust an image while viewing it.
   - Drag [ ] to adjust an image.

   Enter a value in a range of 0 to 359 or click the [▲] / [▼] buttons to specify the hues.
   Enter a value in a range of 0 to 255 or click the [▲] / [▼] buttons to specify the saturation.
Editing RAW Images

Click White Balance Function
You can automatically adjust the white balance simply by clicking a point in a neutral part of the image.

1. Click the [Click (RAW)] button.
   - When you move the cursor over the image, the cursor \( \text{[ ]} \) changes to \( \text{[ ]} \).

2. Click a point in a neutral part of the image.
   - If you click on another point over the image, the white balance is adjusted again.
   - If you finish this operation, click the [Click (RAW)] button or right-click.

   - The coordinates of the cursor position and the RGB values (8-bit conversion) of an image are displayed in the lower-left of the main window (2-2).
   - The image is adjusted based on the value of 1 × 1 pixels from the clicked point.
   - You can also adjust the white balance by clicking an achromatic color (neutral gray) part of the image.

Personal White Balance
You can apply the personal white balance (3-15) that you registered in the edit window or the edit image window to images.

   - The registered personal white balance is applied to the image.

   - You cannot use the personal white balance if you have not registered it.
Adjusting the Brightness

You can adjust the brightness in the range of –2.0 to +2.0 (in one-sixth-stop increments for the slider, and in 0.01-stop increments when entering a value).

1. **Click the [Brightness (RAW)] button.**
   - The [Brightness adjustment] dialog box appears.
   - Alternatively, you can display this dialog box by selecting [Adjustment] menu » [Brightness adjustment (RAW)].

2. **Adjust an image while viewing it.**
   - Drag the slider left or right to adjust the brightness.
   - Enter a value to adjust the brightness.
   - Restores the image to its original condition.

3. **Click the [Close] button.**
You can apply the color space different from the setting selected when you specify the preferences (2-38), to the selected RAW images.

Select [Adjustment] menu ▶ [Work color space] ▶ [sRGB], [Adobe RGB], or [Wide Gamut RGB].

The specified color space is added to the ICC profile that is embedded in TIFF images that have been converted from RAW images and saved (2-29, 2-31).

A color space is the reproducible color range (the characteristics of color gamut). Digital Photo Professional supports the color space of sRGB, Adobe RGB, and Wide Gamut RGB.

- **sRGB**: Widely used for the standard color space of monitors, digital cameras, and scanners.
- **Adobe RGB**: A wider color space than sRGB. Mainly used for printing for business purposes.
- **Wide Gamut RGB**: A wider color space than Adobe RGB.
Using Edits (Recipe Data)

Editing data that has been applied to JPEG, TIFF, and RAW images (2-14 to 2-16, 3-7 to 3-11) or editing data that has been applied to RAW images (2-17 to 2-24, 3-12 to 3-18) can be copied and applied to other images. Editing data can also be saved as a separate file containing editing data only. These files can be loaded into other images. In Digital Photo Professional, editing data is referred to as “recipe data”.

### Saving the Recipes

1. Select an image and then select [Edit] menu ➔ [Save recipe in file].
   
   ➔ The [Save As] dialog box appears.

2. Select the destination folder, enter the file name, and then click the [Save] button.

   - When you select [Save recipe in file], only recipe data (editing data) is saved as a separate file. If you wish to save the image to which the edits were applied, see “Saving Edited Images” (2-28).
   - Image rotations (2-14) are not included in recipe data.

### Loading and Pasting Recipes

1. Select an image and then select [Edit] menu ➔ [Read recipe from file].
   
   ➔ The [Open] dialog box appears.

2. Select a recipe and click the [Open] button.

3. Select an image to which the recipe will be applied and then select [Edit] menu ➔ [Paste recipe to selected photo].

   - Editing data that can be performed on RAW images only (2-17 to 2-24, 3-12 to 3-18) cannot be applied to JPEG and TIFF images. If you try to apply editing data that can be applied to all image formats (JPEG, TIFF, or RAW images) (2-14 to 2-16, 3-7 to 3-11) together with editing data that can be applied only to RAW images (2-17 to 2-24, 3-12 to 3-18), and the target image is in JPEG or TIFF format, only the editing data applicable to JPEG and TIFF formats is applied.
Copying Recipes and Applying to Other Images

1. Select the image from which a recipe will be copied and then select [Edit] menu ➤ [Copy recipe to clipboard].
   - The recipe is copied.

2. Select the image to which the recipe will be applied and then select [Edit] menu ➤ [Paste recipe to selected photo].
   - The recipe is applied to the image.

⚠️ Image rotations (2-14) are not included in recipe data.

⚠️ Editing data that can be performed on RAW images only (2-17 to 2-24, 3-12 to 3-18) cannot be applied to JPEG and TIFF images. If you try to apply editing data that can be applied to all image formats (JPEG, TIFF, or RAW images) (2-14 to 2-16, 3-7 to 3-11) together with editing data that can be applied only to RAW images (2-17 to 2-24, 3-12 to 3-18), and the target image is in JPEG or TIFF format, only the editing data applicable to JPEG and TIFF formats is applied.
Reverting Edited Images to Their Original Condition

You can cancel all the edits for images, and revert the edited images to their original condition before being edited or when shots were taken.

**Reverting to Last Saved Settings**

Select an image and then select [Adjustment] menu ▶ [Revert to last saved settings].

⚠️ If you select multiple images, all the edited images that you selected are reverted to the last saved settings.

**Reverting to Shot Settings**

Select an image and then select [Adjustment] menu ▶ [Revert to shot settings].

⚠️ If you select multiple images, all the edited images that you selected are reverted to the shot settings.
Saving Edited Images

You can apply edits to one or more images and save the edited images.

**Saving without Renaming**

You can apply edits to an image and overwrite the existing image.

Select an image and then select [File] menu ➔ [Add recipe and save].

**Saving and Renaming**

You can apply edits to images and save the new images with another name.

1. Select an image and then select [File] menu ➔ [Add recipe and save as].
   ➔ The [Save As] dialog box appears.
   
2. Select the destination folder, enter the file name, and then click the [Save] button.
Converting and Saving RAW Images while Renaming Them

You can convert edited RAW images to the TIFF or JPEG format and save them with another name.

1. Select an image and then select [File] menu ▶ [Convert and save].
   ➔ The [Save As] dialog box appears.

Specify the drive or folder to which the image will be saved.

Displays the contents of the drive or folder.

Saves images.

Restores the settings to their original ones and closes the [Save As] dialog box.
Specify the settings and click the [Save] button.

- To perform linear processing (3-16), select [TIFF 16bit File] before saving images.
- The specified preferences (2-38) or individually specified color space (2-24) are added to the ICC profile embedded in TIFF images. An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.
Converting and Saving Images in a Single Operation (Batch-processing)

You can save and rename multiple edited images in a single operation. You can also convert edited RAW images to JPEG and TIFF formats and save them in a single operation.

1. **Edit an image** (2-14 to 2-24).

2. **Select images to be converted and saved in a single operation** (2-6).

3. **Click the [Batch save] button.**
   - The [Batch settings] window appears.
   - Alternatively, you can display this window by selecting [File] menu ➤ [Batch save].

4. **Specify the settings and click the [Execute] button.**
   - The process dialog box appears, allowing images to be saved in a single operation.
   - When processing is complete, the images are saved in the specified folder and the [Exit] button appears on the process dialog box.
Select [JPEG], [Exif-TIFF(8bit)] or [Exif-TIFF(16bit)] for the image format used when the image is saved.

Specify the folder in which the format-converted images will be saved. The name of the destination folder is displayed next to the [Browse] button.

Specify the image quality (compression ratio) in 10 levels when [JPEG] is selected from the [File format] list box. Higher values give higher image quality.

Specify the sharpness in 5 levels when [JPEG] is selected from the [File format] list box. Higher values give higher levels of edge sharpening.

Select this checkbox to embed an ICC profile in images when [Exif-TIFF (8bit)] / [Exif-TIFF (16bit)] is selected from the [File format] list box.

Specify the image quality (compression ratio) in 10 levels when [JPEG] is selected from the [File format] list box. Higher values give higher image quality.

Select when you wish to save images without renaming them.

Specify the resolution for saving images in a range of 1 to 60,000 dpi.

Enter a file name and sequential number when you have selected [New file name].

Select when you wish to rename images while saving them.

5 Click the [Exit] button.

You cannot save multiple images in a single operation unless you specify [Sequence number] when the [New file name] radio button is selected for [File name].

You can also save and rename multiple images without editing them in a single operation.

The specified preferences (2-38) or individually specified color space (2-24) are added to the ICC profile embedded in TIFF images. An ICC profile contains color information, such as color properties and color spaces of devices which are authorized by International Color Consortium (ICC). With this ICC profile, many color management systems can minimize the color differences between devices.

The batch processing function is independent of other functions. Therefore, during batch saving, you can perform other operations in the main, edit, and edit image windows.
Printing Images
Images can be automatically adjusted and printed within the print range.

1 Select an image and then select [File] menu ➤ [Print].

2 Select a printer to be used and then click the [Print] button. ➤ Printing begins.

Printing with Easy-PhotoPrint
Easy-PhotoPrint is printing software dedicated for Canon BJ printers. If Easy-PhotoPrint 2.1 or later has been installed in your computer, you can print images with Easy-PhotoPrint.

Select an image and then select [File] menu ➤ [Print with Easy-PhotoPrint].
Easy-PhotoPrint starts up.
Follow the instructions displayed on the Easy-PhotoPrint window to print images.

To print images with Easy-PhotoPrint, you need Easy-PhotoPrint 2.1 or later and a Canon BJ printer that supports Easy-PhotoPrint 2.1 or later.
If images are printed with Easy-PhotoPrint, the resolution is ignored.
You can select [Rendering intents when using Easy-PhotoPrint] from [Perceptual] and [Colorimetric] (2-38).
Transferring Images to Photoshop

You can transfer images to Adobe Photoshop. The descriptions given here use Adobe Photoshop 7.0, as an example.

1. **Select an image (2-6).**

2. **Select [Tools] menu ➤ [Transfer to Photoshop].**
   - Photoshop starts up and displays the transferred image.
   - RAW images are converted to TIFF format before being transferred.

**Notes:**
- In order to transfer images, you will need Adobe Photoshop.
- The versions of Photoshop for transferring images are 6.0 to 7.0. You cannot transfer images to Photoshop Elements.
- One image can be transferred at a time. You cannot transfer multiple images at a time.
- When RAW images are transferred, they are automatically converted to the TIFF images and the ICC profile is attached to each of them. The specified preferences (2-38) or individually specified color space (2-24) are added to the ICC profile, which allows Photoshop to display images including that color information.

To open multiple RAW images in Photoshop, RAW images must first be converted to TIFF and JPEG images and saved (2-31) by batch processing.

Displaying Images in EOS Capture

Digital Photo Professional is compatible with EOS Capture (Remote shooting function of EOS Viewer Utility). If EOS Viewer Utility or EOS Capture have been installed in your computer, Digital Photo Professional displays the images that are shot with EOS Capture in real time.

1. **Connect the camera to your computer.**

2. **Select [Tools] menu ➤ [Start EOS Capture].**
   - EOS Capture starts up.

3. **Take a shot.**
   - Click the [Release] button in EOS Capture or press the shutter button on the camera to take a shot.
   - The shot is displayed on the Digital Photo Professional main window.
Specifying the Preferences

You can specify various settings for Digital Photo Professional.

   ➤ The [Preferences] dialog box appears.

2. Select the desired tab, specify the settings, and then click the [OK] button.
   ➤ The settings are applied and the [Preferences] dialog box closes.

Allows you to select whether the edited image is saved automatically, or the confirmation dialog box is displayed when you exit Digital Photo Professional or change images displayed in the main window to the ones in another folder.

Allows you to select whether the folder that was open the last time is displayed or the specified folder is always displayed when Digital Photo Professional starts up.

Specify the image quality for displaying or saving images.

- **[Quality priority]**: Images are displayed and saved with maximum quality because additional processing is applied. However, it takes more time to display or save images.
- **[Standard]**: Images are displayed at maximum speed with no additional processing. Images are saved at the same quality as [Quality priority].
- **[Speed priority]**: Images are displayed and saved at maximum speed because no additional processing is applied.

Displays the description of [Operating mode].

Restores the settings to their original ones and closes the [Preferences] dialog box.

If you select this checkbox, the edit image window is displayed automatically when you start up EOS Capture.

Applies the settings and closes the [Preferences] dialog box.
Specifying the Preferences

Allows you to specify the grid spacing in a range of 8 to 256 pixels used when the grid is displayed on the edit window or the edit image window.

Removing the check mark hides the [Click] button and the [Brightness adjust] button from the main window.

If you select this checkbox, the image that has been displayed on the edit window is selected on the main window when you close the edit window.

Select the display mode for displaying the edited and original images for comparison on the edit or edit image window (3-6).
Allows you to select whether the histogram for the original image is displayed or the histogram for the edited image is displayed, in the [RGB image adjustment] tab sheet on the tool palette.

Allows you to select whether points on the tone curve are connected with a straight line or a curve.

Allows you to select whether the tone curve is expressed in RGB or Brightness in the [RGB image adjustment] tab sheet on the tool palette.

If you change the setting for [Default settings of RGB Tone curve mode] or [Default settings of RGB Tone curve interpolation method], the changed setting is applied after restarting Digital Photo Professional. However, the changed setting is not applied to images with the [RGB] mark (2-4) that have been edited (2-14 to 2-16, 3-7 to 3-11) before the setting is changed. You should change the setting for each of the images using the menu that appears by right-clicking on a tone curve (3-10).
Specifying the Preferences

Select sRGB or Monitor profile for the color space of the monitor. If you select the [Monitor profile] radio button, click the [Browse] button and specify the profile for the specified monitor.

Select the color matching method for printing with Easy-PhotoPrint from [Perceptual] and [Colorimetric].

Select sRGB, Adobe RGB, or Wide Gamut RGB for the color space that is applied when RAW images are converted to TIFF format and saved.

If you change the setting for [Default settings of Work color space], the changed setting is applied after restarting Digital Photo Professional. However, the changed setting is not applied to images with the [RGB] mark (2-4) that have been edited (2-14 to 2-16, 3-7 to 3-11) before the setting is changed. You should change the setting for each of the images using [Work color space] from the [Adjustment] menu (2-24).

The specified color space is added to the ICC profile that is embedded in TIFF images that have been converted from RAW images and saved (2-29, 2-31).

A color space is the reproducible color range (the characteristics of color gamut). Digital Photo Professional supports the color space of sRGB, Adobe RGB, and Wide Gamut RGB.

- **sRGB**: Widely used for the standard color space of monitors, digital cameras, and scanners.
- **Adobe RGB**: A wider color space than sRGB. Mainly used for printing for business purposes.
- **Wide Gamut RGB**: A wider color space than Adobe RGB.

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2-38
Performing Detailed Edits in the Edit Window

This chapter describes the functions of the edit window, and how to display images and perform detailed edits on them.

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   Selecting the Display Size ............................................................... 3-5
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   Adjusting the White Balance ............................................................ 3-13
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   Adjusting the Color ........................................................................... 3-18
Displaying the Edit Window

You can enlarge a single image and perform detailed edits on it in the edit window. You can display multiple images in the edit window and edit them while comparing each of them. Up to 36 images can be displayed in the edit window.

- This chapter describes the functions that you can operate in the edit window only. For instructions on operating the functions common to those in the main window, refer to the page described with each function.

Double-click a thumbnail image.

- The edit window appears.
- A low resolution image is displayed first in the edit window, and then it changes to a high resolution image.
- Alternatively, you can display this window by selecting [File] menu ➤ [Open in Edit window].

Edit Window

Menu bar
Displays the [File], [Edit], [View], [Adjustment], [Tools], and [Help] menus.

Path display
Displays the path of the drive and folder that contain the currently displayed image.

Image display area
Displays the coordinates of the cursor position and the RGB values (8-bit conversion) of an image.

Tool palette
Displays the operation mode (2-35).

Displays the color space for working (2-24, 2-38).

* The above window shows all the information at once. In actual use, only the information needed is displayed.

- To exit the edit window, select [File] menu ➤ [Close].

- For some images, it may take some time to change to the high resolution image.
- You can select whether the tool palette is displayed as another window or displayed within the same window (2-37).
Displaying the Edit Window

Menu Bar

File menu

- File
  - Add recipe and save... Ctrl+S
  - Add recipe and save as... Shift+Ctrl+S
  - Convert and save... Ctrl+D
  - Print... Ctrl+P
  - Info... Ctrl+I
  - Close Ctrl+W

Adjustment menu

- Adjustment
  - Rotate Left Ctrl+L
  - Rotate Right Ctrl+R
  - Work color space
    - sRGB
    - Adobe RGB
    - Wide Gamut RGB
  - Revert to last saved settings
  - Revert to shot settings

Tools menu

- Tools
  - Transfer to Photoshop
  - Preferences... Ctrl+K

View menu

- View
  - Tool palette
  - Grid lines
  - Before/after comparison
  - Change up/down/left/right
  - Fit to window Ctrl+0
  - 50% View Ctrl+1
  - 100% View Ctrl+2
  - 200% View Ctrl+3

Help menu

- Help
  - Version information

Shows/hides the tool palette.

Displays the version information of Digital Photo Professional.
Tool Palette

RGB image adjustment tab sheet (3-7) RAW image adjustment tab sheet (3-12)

* The above tool palette shows all the information at once. In actual use, only the information needed is displayed.
Selecting the Image Display Mode

You can change the size and method in which images are displayed.

Selecting the Display Size

You can select the image size from [Fit to window] (Fitting to the image display area), [50% view], [100% view] (actual size), and [200% view].

Select [View] menu ➔ [Fit to window], [50% view], [100% view], or [200% view].

- When you display an image in a larger size, you can change the display position by dragging the image.

Displaying the Grid

You can display a grid that allows you to check the horizontal or vertical level of the image.

Select [View] menu ➔ [Grid].

- Performing the same operation again hides the grid.
- You can specify the grid spacing (2-36).
Displaying the Edited Image and the Original at the Same Time

You can display the edited image and the original at the same time.

Select [View] menu ➤ [Before/after comparison].

- The images are displayed as shown on the right (2-36).

Changing the Display Position

You can also tile images vertically.

Select [View] menu ➤ [Change up/down/left/right].

- Performing the same operation again tiles images horizontally.
Editing Images

You can perform various edits on the RAW, JPEG, and TIFF images that are supported by Digital Photo Professional.

1. Display the image on the edit window (3-2).
   - When multiple images are displayed, click the image for which you wish to specify the parameters, to place it on the top window.

2. Select the [RGB image adjustment] tab on the tool palette.
   - The [RGB image adjustment] tab sheet appears.

3. Edit the image (3-8 to 3-11).
   - Alternatively, you can apply edits to other images by copying and pasting the edit data to the other images (2-26).
   - You can also revert edited images to the last saved settings or shot settings (2-27).

4. Compare the edited image with the original (3-6).

5. Save the image (2-28), or transfer it to Photoshop (2-34).

⚠️ Before exiting Digital Photo Professional, you must save the edited images (2-28).
- See “Supported Image Formats” (8) for the images that are supported by Digital Photo Professional.

💡 The editing data can be saved in a separate file (2-25).
- The edited images can be transferred to Adobe Photoshop (2-34).
Adjusting the Image Tone

You can use the tone curve, highlight/shadow points, brightness, and contrast to adjust the image tone.

A tone curve shows the brightness and color saturation for the original image (input) and the adjusted image (output) in the form of a line graph. You can use the tone curve to adjust the image brightness and color saturation values that were set by the camera automatically when the shot was taken.

The tone curve adjustment options include [RGB], which adjusts the input and output for the entire image in a single operation, as well as the [R], [G] and [B] settings that adjust each color individually. You can switch between the different channels as you make your adjustments.

The horizontal axis shows the brightness and color saturation for the unadjusted (input) image, with the left-hand end indicating shadow (darker areas of the image) and the right-hand end indicating highlights (brighter areas of the image).

The vertical axis shows the brightness and color saturation for the adjusted (output) image, with the lower end indicating shadow and the upper end indicating highlights.
**Adjusting the Tone Curve**

You can switch the tone curve display values between RGB and Brightness (2-37).

1. **Click the button to select a channel.**

   ![Tone curve adjustment](image)

   The same settings are used for all RGB channels.

   The settings are used for the G channel.

   The settings are used for the B channel.

   The settings are used for the R channel.

2. **Adjust the tone curve.**

   - Clicking the tone curve shows [□] on the tone curve. Drag [□] to your desired place.
   - You can specify up to 8 points [□].
   - Double-clicking [□] deletes it.

   ![Graph](image)

   Horizontal axis: Input level

   Vertical axis: Output level

   - When you move the cursor to the top of the graph, [□] changes to [↓].
     Drag it downward to adjust the highlight point in the output side.

   - Enter a value to specify the maximum output.

   - Enter a value in the range of 8 to 255 (in 1-stop increments) to adjust the highlight point.

   - When you move the cursor to the left edge of the graph, the cursor [□] changes to [←].
     Drag the slider right to adjust the shadow point.

   - Enter a value to specify the minimum output.

   - Enter a value in the range of 0 to 247 (in 1-stop increments) to adjust the shadow point.

   - When you move the cursor to the bottom of the graph, [□] changes to [↑].
     Drag it upward to adjust the shadow point in the output side.

   - When you move the cursor to the right edge of the graph, the cursor [□] changes to [→].
     Drag the slider left to adjust the highlight point.
Click White Balance Function
You can automatically adjust the white balance simply by clicking a point in a neutral part of the image.

1. Click the [Click] button.
   - When you move the cursor over the image, the cursor [ ] changes to [ ].

2. Click a point in a neutral part of the image.
   - If you click on another point over the image, the white balance is adjusted again.
   - If you finish this operation, click the [Click] button or right-click.

- The image is adjusted based on the value of 1 × 1 pixels from the clicked point.
- You can also adjust the white balance by clicking an achromatic color (neutral gray) part of the image.
**Adjusting the Brightness and Contrast**

You can adjust the brightness and contrast in the range of –100 to +100 (in 1-stop increments).

Adjust an image while viewing it.

- **Brightness:**
- **Contrast:**

Enter a value to adjust the brightness and contrast.

Drag the slider left or right to adjust the brightness and contrast.

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**Adjusting the Hue and Saturation**

You can adjust the hues in the range of –30 to +30 (in 1-step increments) and the saturation in the range of 0 to 200 (in 1-step increments).

Adjust an image while viewing it.

- **Color adjustment**
- **Hue:**
- **Saturation:**

Enter a value to adjust the hue and saturation.

Drag the slider left or right to adjust the hue and saturation.

Restores the image to its original condition.
Editing RAW Images

You can perform more detailed edits on RAW images that are supported by Digital Photo Professional, than in the main window.

1 Display the RAW image in the edit window (3-2).
   - When multiple images are displayed, click the image for which you wish to specify the parameters, to place it in the top window.

2 Select the [RAW image adjustment] tab on the tool palette.
   - The [RAW image adjustment] tab sheet appears.

3 Edit the RAW images (3-13 to 3-18).
   - Alternatively, you can apply edits to other images by copying and pasting the edit data to the other images (2-26).
   - You can also revert edited images to the last saved settings or shot settings (2-27).

4 Compare the edited image with the original (3-6).

5 Convert and save the image (2-29, 2-31), or transfer it to Photoshop (2-34).

⚠️ Before exiting Digital Photo Professional, you must save the edited images (2-29, 2-31).
- See “Supported Image Formats” (8) for the types of RAW images that are supported by Digital Photo Professional.

💡 The editing data can be saved in a separate file (2-25).
- The edited images can be transferred to Adobe Photoshop (2-34).
Adjusting the Brightness

You can adjust the brightness in the range of –2.0 to +2.0 (in one-sixth-stop increments for the slider, and in 0.01-stop increments when entering a value).

Adjust an image while viewing it.

Drag the slider left or right to adjust the brightness. Enter a value to adjust the brightness.

Restores the image to its original condition.

Adjusting the White Balance

You can adjust the white balance using the mode settings, color temperature settings, color wheel, and click white balance function.

Selecting the White Balance

You can select white balance from the list box (2-19).

Specifying the Color Temperature

You can specify the color temperature in the range of 2800 to 10000K (in 100K increments) to adjust the white balance (2-20).
Click White Balance Function
You can automatically adjust the white balance simply by clicking a point in a neutral part of the image.

1 Click the [Click] button.
   ➔ When you move the cursor over the image, the cursor [ ] changes to [ ].

2 Click a point in a neutral part of the image.
   • If you click on another point over the image, the white balance is adjusted again.
   • If you finish this operation, click the [Click] button or right-click.

   • The image is adjusted based on the average value of the range of 5 × 5 pixels from the clicked point.
   • You can also adjust the white balance by clicking an achromatic color (neutral gray) part of the image.
Adjusting the Color Wheel
You can select a desired color from the color wheel to adjust the white balance. You can also specify the hues in the range of 0 to 359 (in 1-stop increments), and the saturation in the range of 0 to 255 (in 1-stop increments) (2-21).

Registering Adjusted White Balance (Personal White Balance)
You can register up to three adjusted white balance data as personal white balance settings.

1. Adjust the white balance (3-13 to 3-15).

2. Click the [Register] button.
   → The [Register personal white balance] dialog box appears.

3. Select the button to be registered from the list.

4. Click the [OK] button.

Personal White Balance
You can apply the registered personal white balance to images (2-22).
Adjusting the Dynamic Range

You can adjust the highlight and shadow points of images, and select the characteristics of the tone curve.

Adjusting the Shadow and Highlight Points

You can specify the shadow point (the darkest point) and highlight point (the brightest point) in the range of 0 to 255 (in 1-stop increments) to adjust the gradation of images.

Adjust an image while viewing it.

Enter a value in the range of 0 to 247 (in 1-stop increments) to adjust the shadow point.

The minimum number of steps between the shadow point and the highlight point is 8.

Selecting the Tone Curve

Select [shot settings] or [Linear].

[shot settings]:
Selects the tone curve used when shots were taken.

[Linear]:
Selects the linear tone curve.

You can select linear processing when you wish to transfer the image to your own retouching software, such as Photoshop, and adjust the image in the software.
Changing the Characteristics of the Tone Curve
You can select the characteristics of the tone curve from five types.

1 **Select [Custom].**
   → The slider appears.

2 **Adjust an image while viewing it.**
   - The slider has 5 levels. Drag the slider left or right to select the characteristics.
Adjusting the Color

You can adjust the image tone.

1. Select [shot settings], [Faithful settings], or [Custom].

   - **Shot settings**: Restores the image to its original condition.
   - **Faithful settings**: Applies the color used when shots were taken, to the image.
   - **Custom**: Applies faithful color reproduction to images.

   The [Hue] and [Saturation] sliders appear. Use the next step to adjust the hue and saturation in images.

2. Adjust an image while viewing it.

   - **Custom**: Drag the slider left or right to adjust the hue and saturation.

   [Faithful settings] is a setting that emphasizes more faithful to raw material, a feature of EOS DIGITAL cameras. This setting adjusts colors so that the images that are taken in an ambient light of approx. 5200K can be colorimetrically faithful to the subject’s color tones.
Performing Detailed Edits in the Edit Image Window

This chapter describes the functions of the edit image window, and how to display images and perform detailed edits on them.

The functions of the edit image window are the same as those of the main window (chapter 2) and of the edit window (chapter 3). For detailed instructions on operating these functions, refer to the page described with each function.

Displaying the Edit Image Window ..........................................................4-2
Displaying the Edit Image Window

In the edit image window, you can select one image from multiple images and perform detailed edits on the selected image.

- The functions of the edit image window are the same as those of the main window (chapter 2) and of the edit window (chapter 3). For detailed instructions on operating these functions, refer to the page described with each function.

1. **Select multiple images in the main window (2-6).**

2. **Click the [Edit image window] button.**
   - The main window switches to the edit image window.
   - A low resolution image is displayed first, and then it changes to a high resolution image.
   - Alternatively, you can display this window by selecting [View] menu ➔ [Edit in Edit image window].

3. **Click the images in the Thumbnail image display area.**
   - The selected images are displayed in the image display area.

4. **Edit images and save them.**
Performing Detailed Edits in the Edit Image Window

**Edit Image Window**

- **Toolbar**
  - Menu bar: Displays the [File], [Edit], [View], [Adjustment], [Tools], and [Help] menus.

- **Path display**
  - Displays the path of the drive and folder that contain the currently displayed image.

- **Tool palette**

- **Thumbnail image display area (4-2)**
  - Displays the coordinates of the cursor position and the RGB values (8-bit conversion) of an image.

- **Image display area**
  - When you display an image in a larger size, you can change the display position by dragging the image.

  * The above window shows all the information at once. In actual use, only the information needed is displayed.
  - To exit the edit image window, click the [Main window] button.

- **Image display area**
  - Displays the operation mode (2-35).
  - Displays the color space for working (2-24, 2-38).

- **For some images, it may take some time to change to the high resolution image.**
- **You can select whether the tool palette is displayed as another window or displayed within the same window (2-37).**
**Displaying the Edit Image Window**

### Menu Bar

#### File menu
- 2-28: Add recipe and save... Ctrl+5
- 2-28: Add recipe and save as... Shift+Ctrl+5
- 2-29: Convert and save... Ctrl+D
- 2-31: Batch save... Ctrl+B
- 2-33: Print... Ctrl+P
- 2-33: Print with Easy-PhotoPrint Ctrl+E
- 2-12: Delete from list Ctrl+Del
- 2-2: Edit Ctrl+F

Deletes the images from the thumbnail image display area.

#### Adjustments menu
- 2-14: Rotate Left Ctrl+L
- 2-14: Rotate Right Ctrl+R
- 2-24: Add check mark Ctrl+M
- 2-27: Remove check mark Shift+Ctrl+M

Sets a check mark for images.

#### Tools menu
- 2-25, 2-26: Save recipe to file...
- 2-25, 2-26: Read recipe from file...
- 2-26: Copy recipe to clipboard
- 2-26: Paste recipe
- 2-26: Paste recipe to all photos

The copied recipe data is pasted to all images.

#### Help menu
- 3-5: Displays the version information of Digital Photo Professional.

#### View menu
- 3-5: Returns to main window Ctrl+Left Arrow
- 3-5: Tool palette Ctrl+P
- 3-5: Thumbnails
- 3-6: Before/after comparison
- 3-6: Change thumbnail position
- 3-5: Fit to window Ctrl+0
- 3-5: 50% view Ctrl+1
- 3-5: 100% view Ctrl+2
- 3-5: 200% view Ctrl+3

Returns to the main window.

Select the previous image.

Select the next image.

Select the first image.

Select the last image.
**ToolBar**

- **50% view button**
  Scales down the image 50%.

- **Fit to window button**
  Fits the image in the window.

- **Main window button**
  The edit image window switches to the main window.

- **Grid button (3-5)**
  Shows/hides the grid.

- **Tool button**
  Shows/hides the tool palette.

- **Thumbnails button**
  Shows/hides the thumbnail image display area.

- **100% view button**
  Displays the image as an actual size.

- **Previous photo button**
  Select the previous image.

- **Batch save button (2-31)**

- **Rotate left button (2-14)**

- **Rotate right button (2-14)**

- **Next photo button**
  Select the next image.

- **200% view button**
  Scales up the image 200%.

**Tool Palette**

- **RGB image adjustment tab sheet (3-7)**
- **RAW image adjustment tab sheet (3-12)**

* The above tool bar and tool palette show all the information at once. In actual use, only the information needed is displayed.*
Reference

This chapter provides troubleshooting, the instructions on uninstalling Digital Photo Professional, and shortcut key list to allow you to use Digital Photo Professional easily.

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Uninstalling the Software ..................................................5-3
Shortcut Key List ..............................................................5-4
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Troubleshooting

If you have problems such as “Could not complete installation correctly” or “Digital Photo Professional does not work”, check the items described below.

**Could not complete installation correctly.**

- If you are using Windows XP Professional or Windows 2000, are you using the computer under a user setting other than [Computer administrator] or [Administrator]?
  → You cannot install software if a user setting other than [Computer administrator] or [Administrator] is selected. Select the [Computer administrator] user setting in Windows XP Professional or the [Administrator] user setting in Windows 2000. For detailed information on selecting the user setting, refer to the manuals supplied with your computer.

**Digital Photo Professional does not work.**

- Does your computer meet the system requirements for Digital Photo Professional?
  → Check the system requirements (8).
- Is there enough memory (RAM)?
  → Check the system requirements (8).
- Is the screen resolution less than [1024 by 768 pixels]?
  → Specify [1024 by 768 pixels] or more for the screen resolution.
- Is the color quality less than [Medium (16 bit)]?
  → Specify [Medium (16 bit)] or more for the color quality.
- Are multiple applications running?
  → Exit any application other than Digital Photo Professional. Even though the memory (RAM) that is recommended in the system requirements (8) is installed in the computer, if other applications are running with Digital Photo Professional, the memory (RAM) may not be sufficient.

**Could not display images with Digital Photo Professional.**

- Did you try to display images other than the image formats that are supported by Digital Photo Professional?
  → Check the supported image formats (8).
Uninstalling the Software

Follow the procedure below to uninstall Digital Photo Professional.

- Exit any application before uninstalling Digital Photo Professional.
- For Windows XP Professional or Windows 2000, log in using computer Administrator privileges.
- To prevent computer malfunctions, always restart your computer after you have uninstalled Digital Photo Professional. Re-installing the software without first restarting your computer is particularly likely to result in computer malfunctions.

1. Select the [Start] button ➔ [Control Panel] ➔ [Add or Remove Programs].
   - For Windows 2000, select the [Start] button ➔ [Settings] ➔ [Control Panel] ➔ double-click the [Add/Remove Programs] icon.
   ➔ The [Add or Remove Programs] dialog box (the [Add/Remove Programs] dialog box in Windows 2000) appears.

2. Select [Canon Utilities Digital Photo Professional x.x] from the software list, and then click the [Remove] button.
   - Confirm that [Change or Remove Programs] is selected.
   ➔ The [Add or Remove Programs] dialog box appears.

3. Click the [Yes] button.
   ➔ Digital Photo Professional is uninstalled.
## Shortcut Key List

### Main Window

<table>
<thead>
<tr>
<th>Operation</th>
<th>Key</th>
<th>Operation</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Open in Edit window</td>
<td>Ctrl + O</td>
<td>Clear All</td>
<td>Shift + Ctrl + A</td>
</tr>
<tr>
<td>Add recipe and save</td>
<td>Ctrl + S</td>
<td>Select RAW photos only</td>
<td>Alt + Ctrl + A</td>
</tr>
<tr>
<td>Add recipe and save as</td>
<td>Shift + Ctrl + S</td>
<td>Select check marked photos only</td>
<td>Ctrl + Y</td>
</tr>
<tr>
<td>Convert and save</td>
<td>Ctrl + D</td>
<td>Edit in Edit image window</td>
<td>Ctrl + Right Arrow</td>
</tr>
<tr>
<td>Batch save</td>
<td>Ctrl + B</td>
<td>Large thumbnail</td>
<td>Ctrl + 1</td>
</tr>
<tr>
<td>Print</td>
<td>Ctrl + P</td>
<td>Middle thumbnail</td>
<td>Ctrl + 2</td>
</tr>
<tr>
<td>Print with Easy-PhotoPrint</td>
<td>Ctrl + E</td>
<td>Small thumbnail</td>
<td>Ctrl + 3</td>
</tr>
<tr>
<td>Delete</td>
<td>DEL</td>
<td>Thumbnail with information</td>
<td>Ctrl + 0</td>
</tr>
<tr>
<td>Info</td>
<td>Ctrl + I</td>
<td>Rotate Left</td>
<td>Ctrl + L</td>
</tr>
<tr>
<td>Exit</td>
<td>Alt + F4</td>
<td>Rotate Right</td>
<td>Ctrl + R</td>
</tr>
<tr>
<td>Cut</td>
<td>Ctrl + X</td>
<td>Add check mark</td>
<td>Ctrl + M</td>
</tr>
<tr>
<td>Copy</td>
<td>Ctrl + C</td>
<td>Remove check mark</td>
<td>Shift + Ctrl + M</td>
</tr>
<tr>
<td>Paste</td>
<td>Ctrl + V</td>
<td>Preferences</td>
<td>Ctrl + K</td>
</tr>
<tr>
<td>Select All</td>
<td>Ctrl + A</td>
<td></td>
<td>—</td>
</tr>
</tbody>
</table>
### Edit Window

<table>
<thead>
<tr>
<th>Operation</th>
<th>Key</th>
<th>Operation</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add recipe and save</td>
<td>Ctrl + S</td>
<td>Rotate Right</td>
<td>Ctrl + R</td>
</tr>
<tr>
<td>Add recipe and save as</td>
<td>Shift + Ctrl + S</td>
<td>Fit to window</td>
<td>Ctrl + 0</td>
</tr>
<tr>
<td>Convert and save</td>
<td>Ctrl + D</td>
<td>50% view</td>
<td>Ctrl + 1</td>
</tr>
<tr>
<td>Print</td>
<td>Ctrl + P</td>
<td>100% view</td>
<td>Ctrl + 2</td>
</tr>
<tr>
<td>Info</td>
<td>Ctrl + I</td>
<td>200% view</td>
<td>Ctrl + 3</td>
</tr>
<tr>
<td>Close</td>
<td>Ctrl + W</td>
<td>Preferences</td>
<td>Ctrl + K</td>
</tr>
<tr>
<td>Rotate Left</td>
<td>Ctrl + L</td>
<td>-</td>
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</tbody>
</table>

### Edit Image Window

<table>
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<tr>
<th>Operation</th>
<th>Key</th>
<th>Operation</th>
<th>Key</th>
</tr>
</thead>
<tbody>
<tr>
<td>Add recipe and save</td>
<td>Ctrl + S</td>
<td>Rotate Right</td>
<td>Ctrl + R</td>
</tr>
<tr>
<td>Add recipe and save as</td>
<td>Shift + Ctrl + S</td>
<td>Add check mark</td>
<td>Ctrl + M</td>
</tr>
<tr>
<td>Convert and save</td>
<td>Ctrl + D</td>
<td>Remove check mark</td>
<td>Shift + Ctrl + M</td>
</tr>
<tr>
<td>Batch save</td>
<td>Ctrl + B</td>
<td>Return to main window</td>
<td>Ctrl + Left Arrow</td>
</tr>
<tr>
<td>Print</td>
<td>Ctrl + P</td>
<td>Fit to window</td>
<td>Ctrl + 0</td>
</tr>
<tr>
<td>Print with Easy-PhotoPrint</td>
<td>Ctrl + E</td>
<td>50% view</td>
<td>Ctrl + 1</td>
</tr>
<tr>
<td>Delete from list</td>
<td>Alt + DEL</td>
<td>100% view</td>
<td>Ctrl + 2</td>
</tr>
<tr>
<td>Info</td>
<td>Ctrl + I</td>
<td>200% view</td>
<td>Ctrl + 3</td>
</tr>
<tr>
<td>Exit</td>
<td>Alt + F4</td>
<td>Preferences</td>
<td>Ctrl + K</td>
</tr>
<tr>
<td>Rotate Left</td>
<td>Ctrl + L</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
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This Instructions booklet is current as of February 2004. For information on using the camera with system accessories introduced after this date, contact your nearest Canon Service Center.