



Online Manual

Professional Print & Layout Guide

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Symbols Used in This Document

Warning

Instructions that, if ignored, could result in death, serious personal injury, or property damage caused by incorrect operation of the equipment. These must be observed for safe operation.

Caution

Instructions that, if ignored, could result in personal injury or property damage caused by incorrect operation of the equipment. These must be observed for safe operation.

Important

Instructions including important information that must be observed to avoid damage and injury or improper use of the product. Be sure to read these instructions.

Note

Instructions including notes for operation and additional explanations.

Basics

Instructions explaining basic operations of your product.

Note

- Icons may vary depending on your product.

Touch-enabled Device Users (Windows)

For touch actions, you need to replace "right-click" in this document with the action set on the operating system. For example, if the action is set to "press and hold" on your operating system, replace "right-click" with "press and hold."

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»»» Note

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o freetype-devel@nongnu.org

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JSON for Modern C++

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Lua

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LuaSocket

LuaSocket 2.0.2 license

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LuneScript

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General Notes (Professional Print & Layout)

Professional Print & Layout is subject to the following restrictions. Keep these points in mind.

- Access our website for products supporting Professional Print & Layout.
- Available functions and settings vary depending on your printer.
- In this guide, descriptions are mainly based on the screens displayed when using Windows 10 operating system (hereinafter "Windows 10").

Supported Applications

Professional Print & Layout supports the following applications.

- Adobe Photoshop 2021 (v22.x)/2020 (v21.x)
- Adobe Photoshop Elements 2021/2020/2019/2018/15
- Adobe Photoshop Lightroom Classic v10.x/v9.x
Adobe Photoshop Lightroom CC 2015.x/Lightroom 6.x
- Digital Photo Professional 4.9.20 or later

Supported Profiles


Professional Print & Layout supports the following profiles.

- Printer Profile: Ver.4.x/2.x
- Monitor Profile: Ver.4.x/2.x

General Notes

- Professional Print & Layout cannot be started if a printer that supports Professional Print & Layout has not been added.
- Professional Print & Layout does not support the Fast User Switching feature. We recommend that you exit Professional Print & Layout before switching the user.
In addition, the printer must be added on a user-by-user basis.
- If Professional Print & Layout is not displayed in the menu of Photoshop, Photoshop Elements, or Lightroom even after installing Professional Print & Layout, follow these steps to install the Photoshop plug-in.

1. Exit Photoshop, Photoshop Elements, or Lightroom.

2. From  (Start menu) on the taskbar, select **(All apps >) Canon Utilities > Professional Print & Layout Plug-In Install**.

▶▶▶ Note

- In Windows 8.1, from the **Search** charm, search for "Professional Print & Layout," and then select **Professional Print & Layout Plug-In Install**.
- In Windows 7, from the **Start** menu, select **All Programs > Canon Utilities > Professional Print & Layout > Professional Print & Layout Plug-In Install**.

3. Follow the on-screen instructions to install.

- The Photoshop plug-in may not be installed if Photoshop, Photoshop Elements, or Lightroom has never been started.
- If using Lightroom, the Photoshop plug-in must be installed on a user-by-user basis. If you have multiple user accounts on the computer, install it on a user-by-user basis.
- There are differences between the color tones of images displayed on the monitor and those of the print results.

Available Data Formats

- JPEG: 8-bit RGB data formats (.jpg, .jpeg, .jpe)
- TIFF: 8-bit or 16-bit RGB data formats (.tif, .tiff)

Using the Contrast Reproduction Function

- This function is unavailable if you are using a 32-bit operating system.
- The contrast reproduction function requires a large amount of memory for its process. For optimal use, we recommend that you use the function on a computer with 16 GB or more of memory. At the least, use it on a computer with 8 GB or more of memory.
 - If it is used on a computer with 16 GB or less of memory, the computer may run slow due to memory shortage. To prevent memory shortage, consider taking the following actions.
 - If unnecessary applications are running, close them.
 - Do not print multiple items at one time; print one sheet at a time.

Even if the above actions are taken, the computer may run slow depending on the environment. In that case, reducing the print paper size may improve the situation.

- The contrast reproduction function prevents degradation of sharpness in the details when printing. Therefore, the effect may not be obvious depending on the subject.

Using the Function for Printing Using Depth Information (DPRAW Print Function)

- This function is unavailable if you are using a 32-bit operating system.
- This function requires a large amount of memory for its process. For optimal use, we recommend that you use the function on a computer with 16 GB or more of memory. At the least, use it on a computer with 8 GB or more of memory.
 - If it is used on a computer with 16 GB or less of memory, the computer may run slow due to memory shortage. To prevent memory shortage, consider taking the following actions.
 - If unnecessary applications are running, close them.
 - Do not print multiple items at one time; print one sheet at a time.

Even if the above actions are taken, the computer may run slow depending on the environment. In that case, reducing the print paper size may improve the situation.

- This function prevents degradation of sharpness in the details when printing. Therefore, the effect may not be obvious depending on the subject.

Using the HDR Print Function

- This function is unavailable if you are using a 32-bit operating system.

Using the Exhibition Lighting Optimization Function

- This function is unavailable if you are using a 32-bit operating system.

What Is Professional Print & Layout?

- Professional Print & Layout Features
- Starting Professional Print & Layout

Professional Print & Layout Features

Professional Print & Layout is software for establishing a pleasant item creation workflow.

In addition to printing bordered photos and borderless photos, various printing tasks such as index printing, black and white printing, and printing using ICC profiles are possible.

It can also be started from other applications. For supported applications, see [General Notes \(Professional Print & Layout\)](#).

Features at a Glance

- ➔ [Print Photos](#)
- ➔ [Freely Arrange and Print on Roll Paper](#)
- ➔ [Print After Color Management](#)
- ➔ [Print Black and White Photos](#)
- ➔ [Print After Correcting the Tone](#)
- ➔ [Create Images for Gallery Wrap](#)
- ➔ [Adjust Margins](#)
- ➔ [Save Settings](#)

Print Photos

Print images developed or corrected in image editing software easily and in high quality.

- ➔ [Printing Photos](#)



Freely Arrange and Print on Roll Paper

Arrange images freely making use of the entire roll paper. Images can also be arranged automatically.

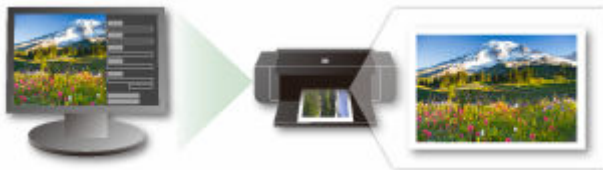
- ➔ [Printing by Arranging Freely](#)



Print After Color Management

Print in the color tone closer to what you want by specifying a color mode according to the objective.

- ➔ [Printing with Impression Close to That on Monitor](#)
- ➔ [Printing Using ICC Profiles](#)



Print Black and White Photos

Print color photos in black and white easily.

- ➔ [Printing Black and White Photos](#)



Print After Correcting the Tone

Print in the color tone you want to use by adjusting the color balance, brightness, and contrast.

- ➔ [Adjusting Tones of Black and White Photos](#)
- ➔ [Adjusting Color Balance, Brightness, and Contrast](#)



Create Images for Gallery Wrap

Easily create and print layout designs for Gallery Wrap.

- ➔ [Creating and Printing Images for Gallery Wrap](#)



Adjust Margins

Adjust the margin width and set the image position. You can also print the margins in black.

➡ [Adjusting Margins and Slot Sizes](#)



Save Settings

Save the settings that you made when printing. This eliminates the need to make the same settings repeatedly.

➡ [Saving Settings](#)


Starting Professional Print & Layout

Professional Print & Layout can be started as follows.

»»» Important

- Professional Print & Layout cannot be started if a printer that supports Professional Print & Layout has not been added.
- The Google Analytics license agreement dialog box appears only upon initial startup.

Starting from the Programs Folder

1. From  (Start menu) on the taskbar, select **(All apps >) Canon Utilities > Professional Print & Layout**.

»»» Note

- In Windows 8.1, select **Professional Print & Layout** on the Start screen. If **Professional Print & Layout** is not displayed on the Start screen, select the **Search** charm, and then search for "Professional Print & Layout."
- In Windows 7, from the **Start** menu, select **All Programs > Canon Utilities > Professional Print & Layout > Professional Print & Layout**.

Starting from Digital Photo Professional

1. In Digital Photo Professional, select the folder containing the image you want to print.
2. Select the image you want to print.

»»» Note

- For available data formats, see [Available Data Formats](#).

3. From the **File** menu of Digital Photo Professional, select **Plug-in printing > Print with Professional Print & Layout**.

»»» Important

- Professional Print & Layout cannot be started when no image is selected in Digital Photo Professional.

Starting from Photoshop, Photoshop Elements, or Lightroom

1. Open the image you want to print in Photoshop, Photoshop Elements, or Lightroom.

»»» Note

- For available data formats, see [Available Data Formats](#).

2. From the **File** menu, navigate as follows:


Photoshop/Photoshop Elements:

Select **Automate > Canon Professional Print & Layout....**

Lightroom:

Select **Plug-in Extras > Canon Professional Print & Layout....**

»» Important

- Professional Print & Layout cannot be started when no image is displayed in Photoshop, Photoshop Elements, or Lightroom.
- If Professional Print & Layout is not displayed in the menu of Photoshop, Photoshop Elements, or Lightroom even after installing Professional Print & Layout, follow these steps to install the Photoshop plug-in.
 1. Exit Photoshop, Photoshop Elements, or Lightroom.
 2. From  (Start menu) on the taskbar, select (All apps >) **Canon Utilities > Professional Print & Layout Plug-In Install**.
 - In Windows 8.1, from the **Search** charm, search for "Professional Print & Layout," and then select **Professional Print & Layout Plug-In Install**.
 - In Windows 7, from the **Start** menu, select **All Programs > Canon Utilities > Professional Print & Layout > Professional Print & Layout Plug-In Install**.
 3. Follow the on-screen instructions to install.
 - The Photoshop plug-in may not be installed if Photoshop, Photoshop Elements, or Lightroom has never been started.
 - If using Lightroom, the Photoshop plug-in must be installed on a user-by-user basis. If you have multiple user accounts on the computer, install it on a user-by-user basis.

Printing

- **Printing Photos**
- **Printing Borderless Photos**
- **Printing Using ICC Profiles**
- **Printing with Impression Close to That on Monitor**
- **Printing an Index**
- **Printing by Arranging Freely**
- **Printing with Crop Marks**
- **Creating and Printing Images for Gallery Wrap**

Printing Photos

1. [Start Professional Print & Layout.](#)

2. Drag and drop the images you want to print to the Preview area.

You can also select photos from **Open** in the **File** menu.

»»» Important

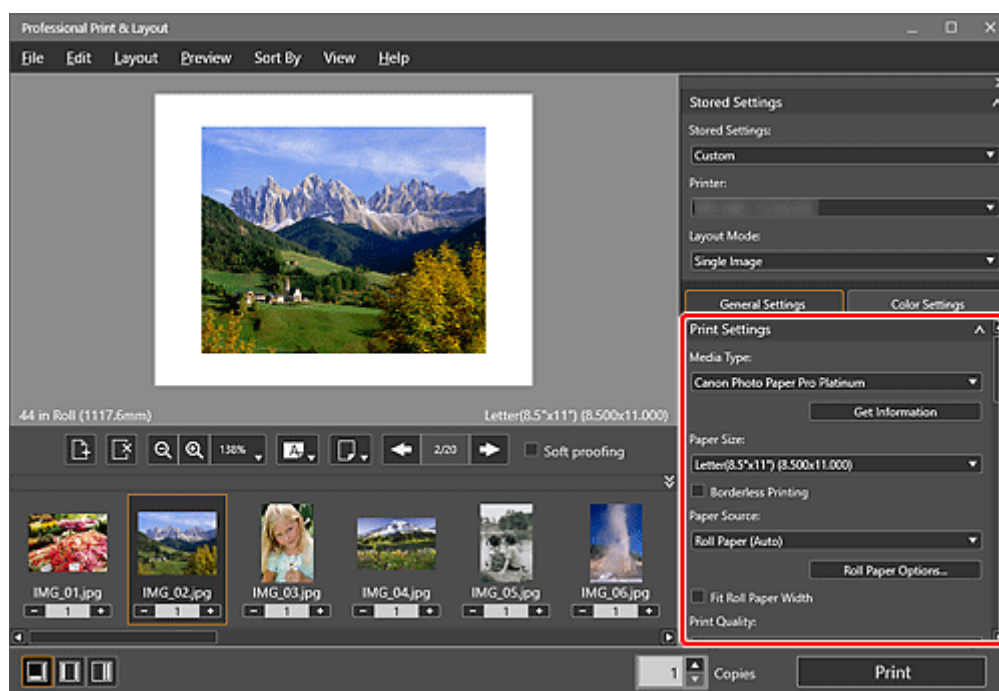
- If started from Digital Photo Professional, Photoshop, Photoshop Elements, or Lightroom, images cannot be added.

»»» Note

- For available data formats, see [Available Data Formats](#).

3. In the **Stored Settings** area, set the printer and **Layout Mode** you want to use, and other settings.

4. In **Print Settings** on the **General Settings** tab, set **Media Type**, **Paper Source**, **Print Quality**, and other settings.



»»» Important

- When **Plain Papers** is selected for **Media Type**, the print result may become faint. In that case, change the **Media Type** and print.

»»» Note

- The displayed paper sizes and media types vary depending on your printer.

- For the types of third party paper supported by PRO-1000 series, PRO-500 series, PRO-G1 series, and PRO-S1 series printers, refer to Art Paper Printing Guide. Art Paper Printing Guide can be downloaded from our website.
- Available paper sources and print quality vary depending on your printer and paper.
- For **Print Settings** on the **General Settings** tab, see [General Settings Tab \(Print Settings\)](#).

5. In **Layout** on the **General Settings** tab, set the layout you want to use.

»»» Note

- To print an image at the actual size, click it in the Preview area, and then set **Image Size** for **Slot Size** in the displayed menu.
- For bordered layouts, you can adjust the margin width and slot size. For details, see [Adjusting Margins and Slot Sizes](#).
- For **Layout** on the **General Settings** tab, see [General Settings Tab \(Layout\)](#).

6. Load paper.

7. Click **Print**.

The **Print** dialog box appears.

8. Click **OK**.

»»» Note

- You can also print images in black and white or correct the tones. For details, see [Correcting Tones of Photos](#).
- You can also crop images or save settings. For details, see [Using Recommended Functions](#).
- For the main screen, see [Main Screen](#).

Printing with Impression Close to That on Monitor

You can print with an impression close to that on the monitor by correctly reflecting the characteristics of the data displayed on the monitor.

»» Important

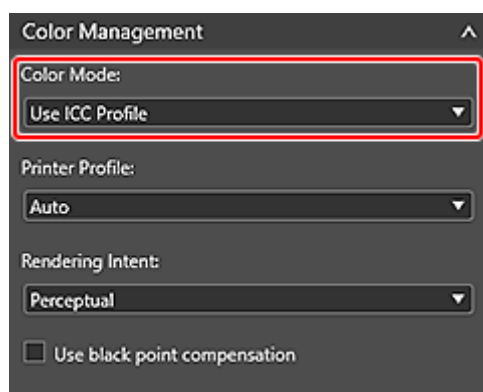
- To print with an impression close to that on the monitor, we recommend that you set the monitor and ambient light as follows.
 - Monitor
 - Color temperature: D50 (5000 K)
 - Luminance: 120 cd/m²
 - Gamma: 2.2
 - Ambient light
 - D50 fluorescent lamps designed for color evaluation (color temperature: 5000 K, high color rendering properties)
 - Brightness when viewing printed materials: 500 lx ± 125 lx

1. Start Professional Print & Layout, and then drag and drop the images you want to print to the Preview area.

»» Note

- For how to start Professional Print & Layout, see [Starting Professional Print & Layout](#).

2. In **Color Management** on the **General Settings** tab, set **Color Mode** to **Use ICC Profile** or **Driver Matching**.



Select a color mode according to the color space of the image to be printed. Canon recommends the following combinations.

Color Space	Color Mode
Adobe RGB	Use ICC Profile (Rendering Intent: Perceptual)
sRGB	Driver Matching (Rendering Intent: Perceptual (Photo))

»» Important

- If you select **Use ICC Profile**, set **Rendering Intent** to **Perceptual**.
- If you select **Driver Matching**, set **Rendering Intent** to **Perceptual (Photo)**.

3. Click **Print**.

The **Print** dialog box appears.

4. Click **OK**.

»» Note

- You can also change the color balance, brightness, and contrast of the images. For details, see [Adjusting Color Balance, Brightness, and Contrast](#).
- For **Color Management** on the **General Settings** tab, see [General Settings Tab \(Color Management\)](#).

Printing Using ICC Profiles

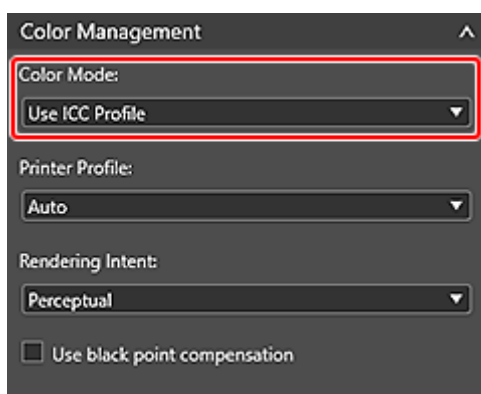
By specifying an ICC profile, you can print according to the paper to be used or print by utilizing the color space of the image developed or corrected in Adobe RGB or sRGB.

1. Start Professional Print & Layout, and then drag and drop the images you want to print to the Preview area.

»»» Note

- For how to start Professional Print & Layout, see [Starting Professional Print & Layout](#).

2. In **Color Management** on the **General Settings** tab, set **Color Mode** to **Use ICC Profile**.



3. Select **Auto** for **Printer Profile**.

»»» Note

- For **Auto**, the profile suitable for your printer, paper, and print quality will be selected automatically.
- You can also select the ICC profile you want to use.

4. Select **Perceptual** or **Relative Colorimetric** for **Rendering Intent**.

»»» Note

- The displayed rendering intents vary depending on your printer.
- For rendering intents, see [Rendering Intent](#) in "General Settings Tab (Color Management)."

5. Click **Print**.

The **Print** dialog box appears.

6. Click **OK**.

»»» Note

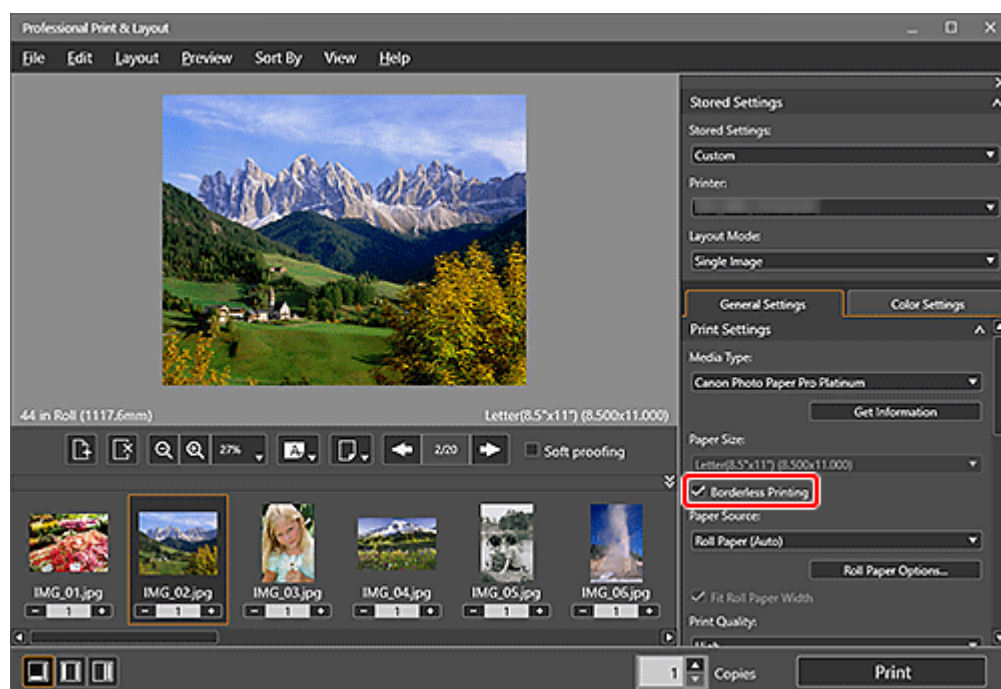
- You can also change the color balance, brightness, and contrast of the images. For details, see [Adjusting Color Balance, Brightness, and Contrast](#).

- For **Color Management** on the **General Settings** tab, see [General Settings Tab \(Color Management\)](#).

Printing Borderless Photos

You can print borderless photos.

In **Print Settings** on the **General Settings** tab, select the **Borderless Printing** checkbox, and then print.



Note

- You can set the amount of extension in **Amount of extension for borderless printing** in the [Other Settings dialog box](#).
- Borderless photos can be set only when roll paper is selected for **Paper Source**.

Printing an Index

You can print an index of selected images.

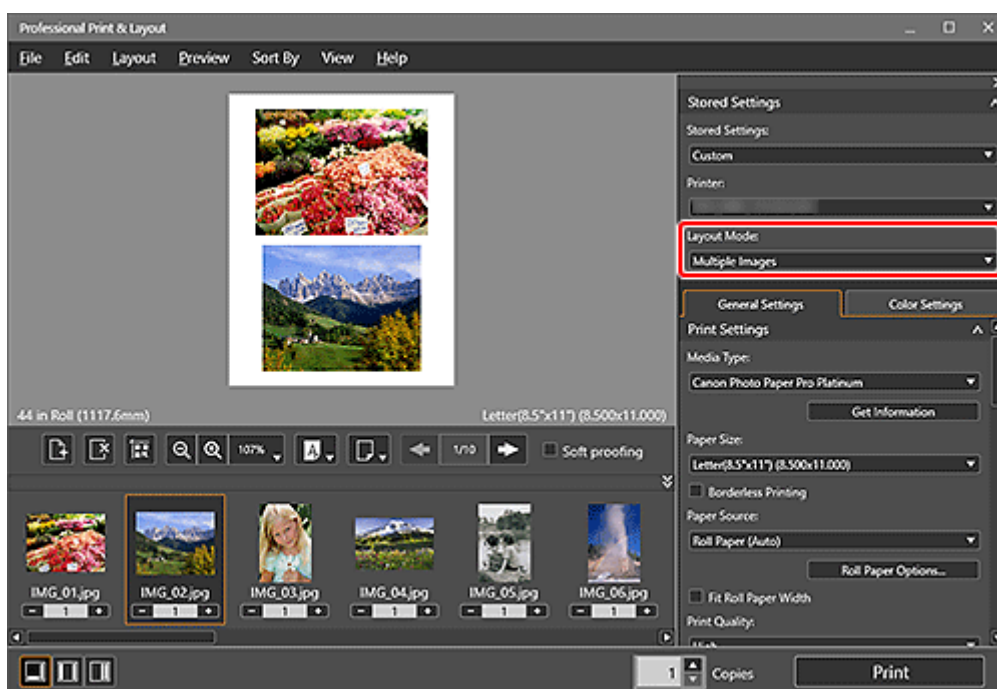
It is highly recommended for organizing images since you can view images in a list.

1. Start Professional Print & Layout, and then drag and drop the images you want to print to the Preview area.

►►► Note

- For how to start Professional Print & Layout, see [Starting Professional Print & Layout](#).

2. In the **Stored Settings** area, select **Multiple Images** for **Layout Mode**.



3. In **Layout** on the **General Settings** tab, select **Index Pattern Settings** for **Registered Layouts**.

The **Index Pattern Settings** dialog box appears.

4. Set **Rows** and **Columns**, and then click **OK**.

►►► Note

- Up to 100 (10 x 10) images can be printed on a sheet of paper.
- You can set the position and size of the slot. For details, see [Adjusting Margins and Slot Sizes](#).

5. Click **Print**.

The **Print** dialog box appears.

6. Click **OK**.

»» Note

- For **Layout** on the **General Settings** tab, see [General Settings Tab \(Layout\)](#).

Printing by Arranging Freely

Arrange multiple images freely making use of the entire roll paper.

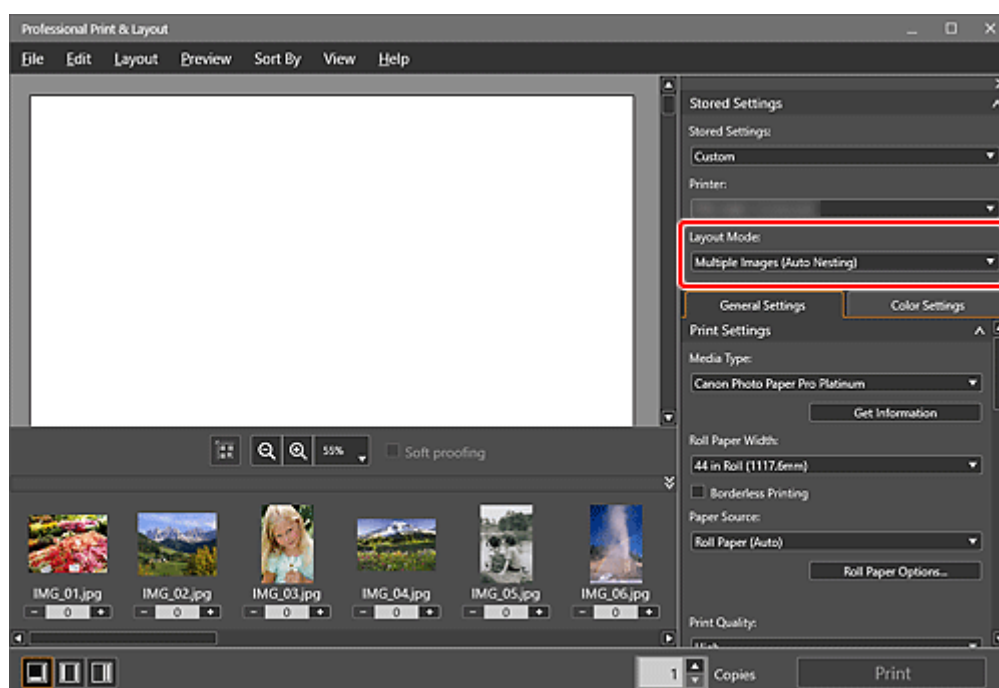
This is convenient when printing many images since they are automatically arranged apart from each other according to the roll paper width.

►►► Note

- This function is available only for models supporting roll paper.

1. [Start Professional Print & Layout.](#)

2. In the **Stored Settings** area, select **Multiple Images (Auto Nesting)** for **Layout Mode**.



►►► Important

- If you select **Multiple Images (Auto Nesting)** after placing images, the slot size returns to the default. The default can be set on the **Layout** tab of the [Other Settings dialog box](#).

3. In **Print Settings** on the **General Settings** tab, set **Roll Paper Width**.


►►► Note

- If the current roll paper width is not displayed, click **Get Information**, and then obtain the information from the printer.

4. Drag and drop the images you want to print to the Preview area.

The images are arranged automatically.

»» Note

- If you click  (Slot Auto Nesting) after manually changing the positions and sizes of images, the images will be arranged automatically according to their current positions and sizes.

5. Click **Print**.

The **Print** dialog box appears.

»» Note

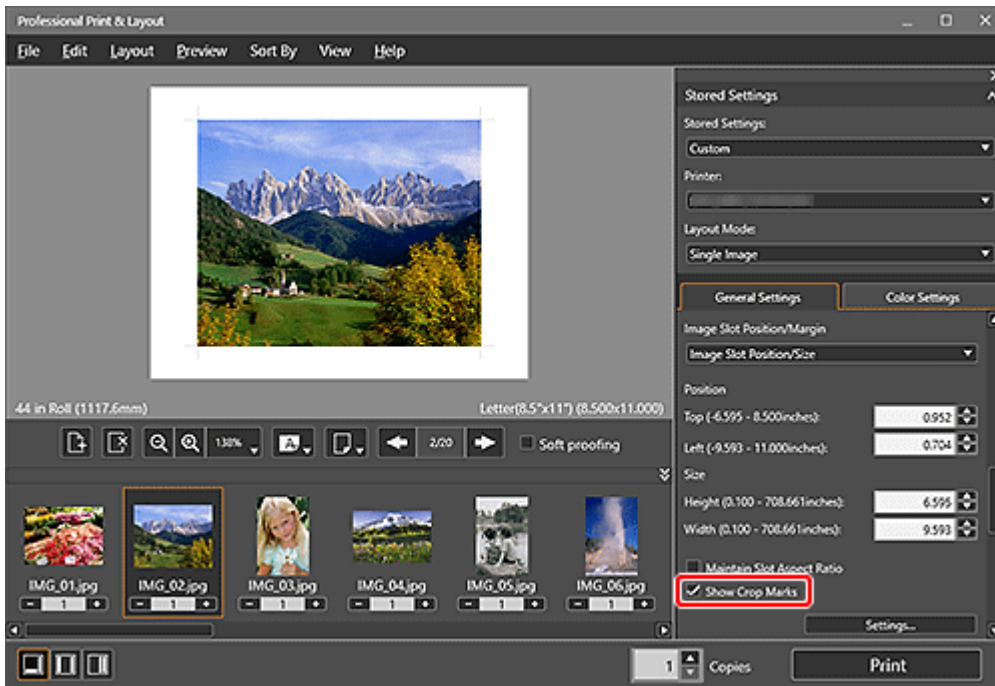
- The roll paper length required for printing is displayed in the **Print** dialog box.

6. Click **OK**.

Printing with Crop Marks

Print with crop marks.

In **Layout** on the **General Settings** tab, select the **Show Crop Marks** checkbox, and then print.



Note

- For the **Settings...** dialog box, see [Settings... Dialog Box](#).

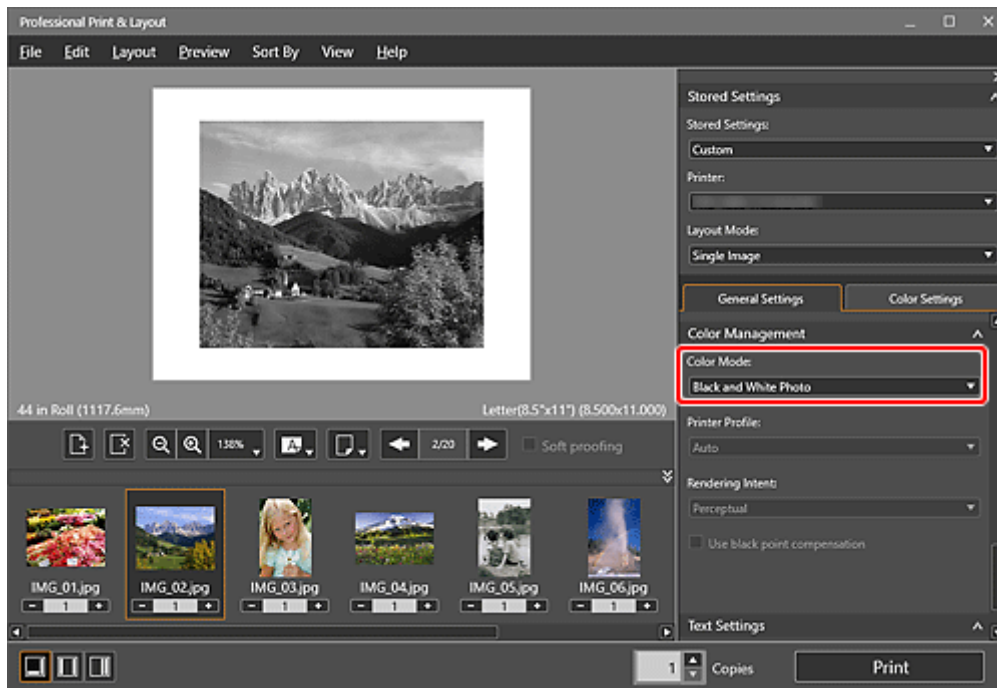
Correcting Tones of Photos

- **Printing Black and White Photos**
- **Adjusting Tones of Black and White Photos**
 - Adjusting Color Tones of Black and White Photos by Viewing Patterns
- **Adjusting Color Balance, Brightness, and Contrast**
 - Adjusting Brightness/Contrast by Viewing Patterns
 - Adjusting Color Balance by Viewing Patterns

Printing Black and White Photos

Print color images in black and white. You can also print photos shot in black and white or data converted to black and white in image editing software.

1. Drag and drop the images you want to print to the Preview area.
2. In **Color Management** on the **General Settings** tab, select **Black and White Photo** for **Color Mode**.



Important

- To print all the images you want to print in black and white, select **Black and White Photo**.

3. Click **Print**.

The **Print** dialog box appears.

4. Click **OK**.

Note

- You can adjust the black and white tone depending on your printer or media type. For details, see [Adjusting Tones of Black and White Photos](#).

Adjusting Tones of Black and White Photos

When printing a black and white image, you can specify a tone to adjust its color tone. You can also make a fine adjustment to the color tone.



A: Cool Tone

A cool bluish tone

B: Black and White

A tone that looks like an achromatic color

C: Warm Tone

A warm yellowish tone

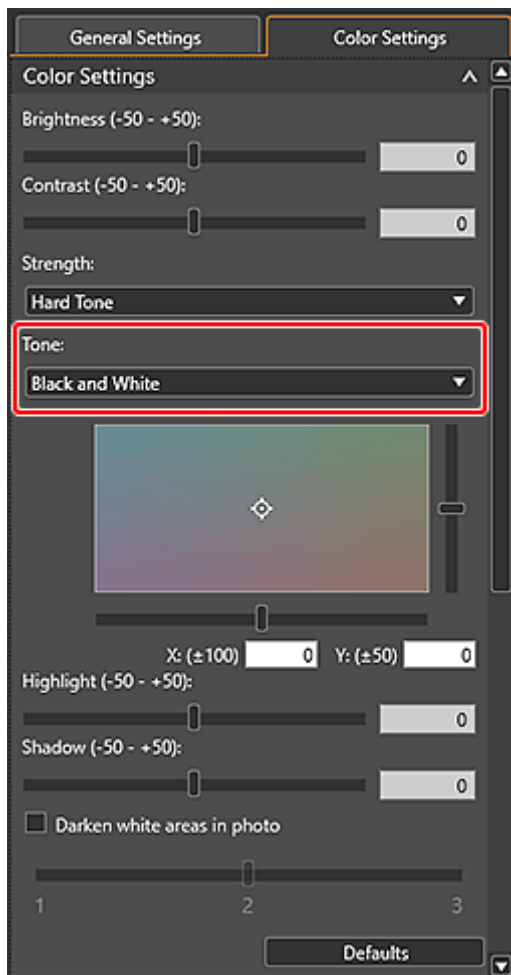
»» Important

- The results of adjustments in Professional Print & Layout will only be reflected in the printed materials and not in the image data.

»» Note

- Tones may not be adjusted depending on the selected media type.

1. Drag and drop the images you want to print to the Preview area.
2. In **Color Management** on the **General Settings** tab, select **Black and White Photo** for **Color Mode**.
3. In **Color Settings** on the **Color Settings** tab, select tone for **Tone**.
Select from **Cool Tone**, **Black and White**, and **Warm Tone**.

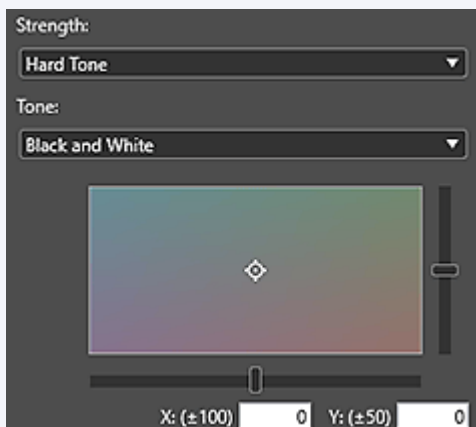


»» Important

- This function is unavailable depending on your printer.

»» Note

- In the black and white color tone adjustment space, you can make a fine adjustment to the color tone of the image. Click on the color close to what you want.
The black and white tone switches to **Custom** when you make a fine adjustment in the black and white color tone adjustment space.



»» Note

- If the result of printing after adjusting the color tone is different from what is displayed in print preview, perform Pattern Print and adjust the color again, using the pattern as a reference.
 - ➡ [Adjusting Color Tones of Black and White Photos by Viewing Patterns](#)
- When the **Darken white areas in photo** checkbox is selected, the highlights in the image will be darkened to make it easier to distinguish the boundary between the image and the paper.
- To change the brightness or contrast, see [Adjusting Color Balance, Brightness, and Contrast](#).
- For **Color Settings** on the **Color Settings** tab, see [Color Settings Tab \(Color Settings\)](#).

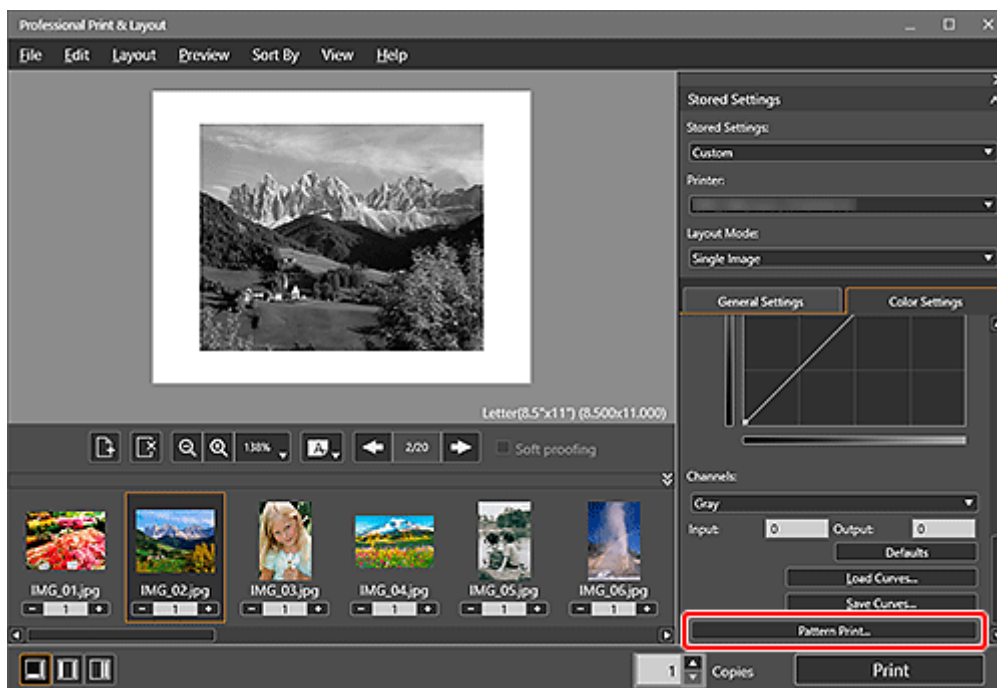
Adjusting Color Tones of Black and White Photos by Viewing Patterns

Adjust the color tone of a black and white photo by printing and viewing a pattern with which you can check the color tones of the black and white photo.

Important

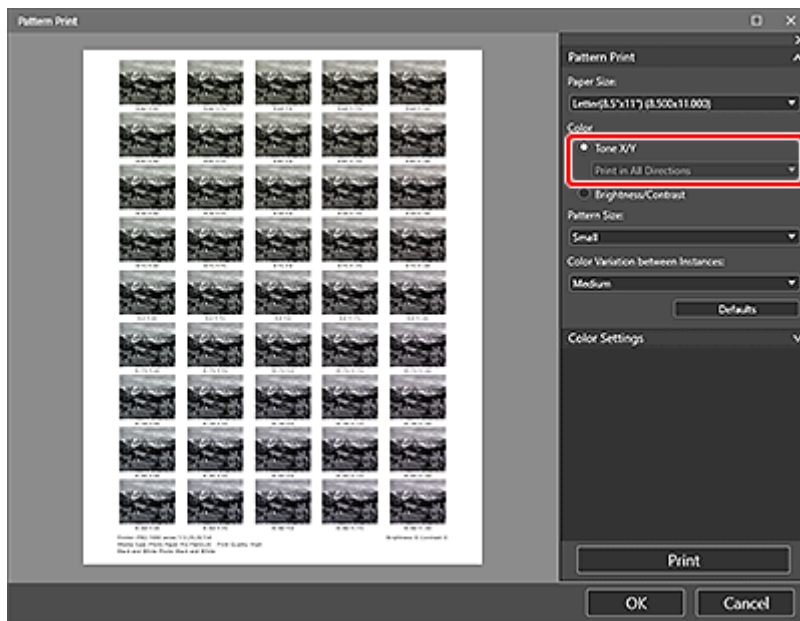
- This function is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.

1. In the Preview area, select the image of which you want to print a pattern.
2. In **Color Settings** on the **Color Settings** tab, click **Pattern Print....**



The **Pattern Print** window appears.

3. Select **Paper Size** according to the paper to be used for **Pattern Print**.
4. Select **Tone X/Y** in **Color**.



►►► Note

- **Tone X/Y** may not be selected depending on the selected media type.

5. Select **Pattern Size** and **Color Variation between Instances**.

6. Finely adjust the color tone in **Color Settings** as needed.

►►► Note

- For how to adjust the color tone, see [Adjusting Tones of Black and White Photos](#).

7. Click **Print**.

The **Print** dialog box appears.

8. Click **OK**.

The pattern is printed.

9. From the printed pattern, enter the values described under the image with the desired color tone into the X-coordinate and Y-coordinate.

10. Click **OK** in the **Pattern Print** window.

The **Pattern Print** window closes; the values are reflected in the black and white color tone adjustment space in the main screen.

►►► Note

- To perform Pattern Print only for a portion of the image, display the **Pattern Print** window after following the steps below.
 1. In the main screen, duplicate the image of which you want to print a pattern.
 2. [Crop](#) the duplicate image.

After completing Pattern Print and adjustment, delete the duplicate image.

- For the **Pattern Print** window, see [Pattern Print Window](#).

Adjusting Color Balance, Brightness, and Contrast

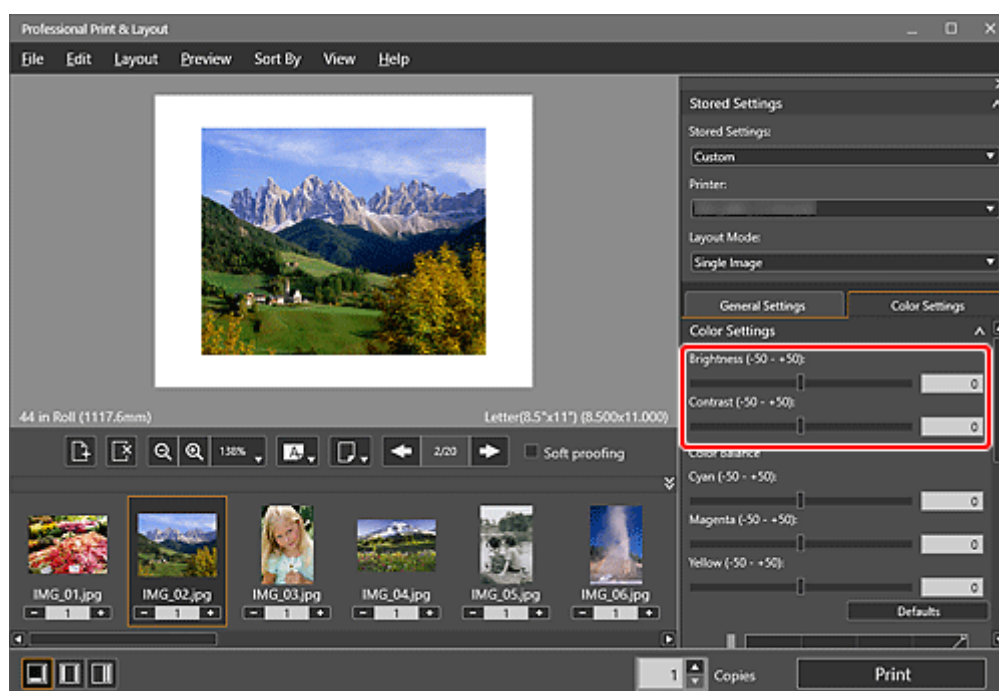
Adjust the color tones of images by specifying the color balance, brightness, and contrast.



Important

- Adjustments to the color balance, brightness, and contrast apply to all the images to be printed. To adjust each image individually, we recommend that you use image editing software.
- The results of adjustments in Professional Print & Layout will only be reflected in the printed materials and not in the image data.

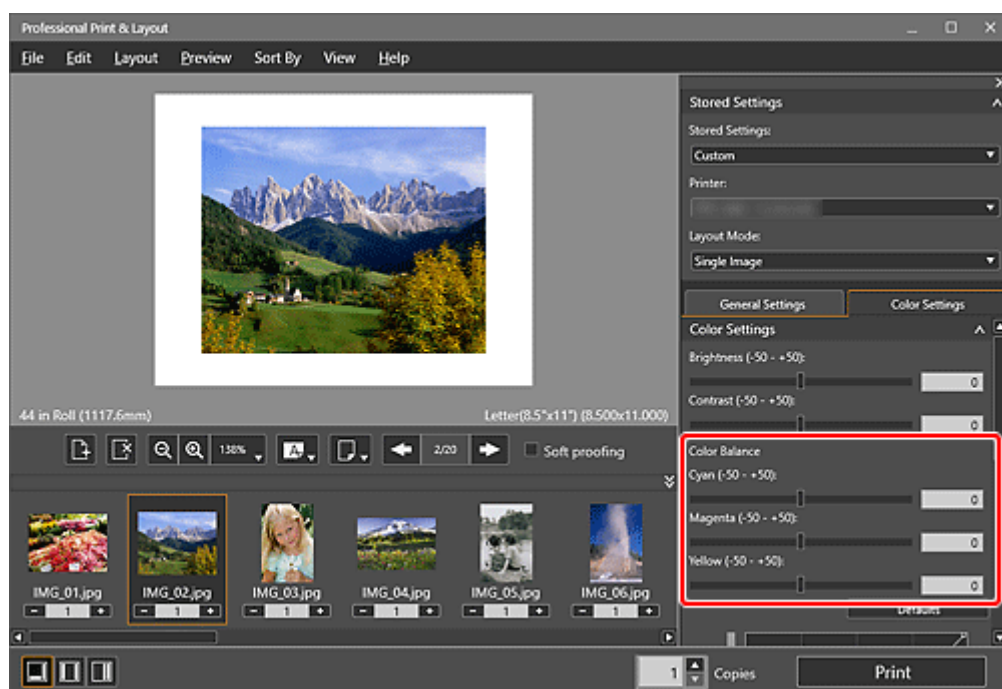
1. Drag and drop the images you want to print to the Preview area.
2. In **Color Settings** on the **Color Settings** tab, adjust **Brightness** and **Contrast**.



Note

- If the result of printing after adjusting the brightness/contrast is different from what is displayed in print preview, perform Pattern Print and adjust the color again, using the pattern as a reference.
 - ➔ [Adjusting Brightness/Contrast by Viewing Patterns](#)
- For **Brightness**, move the slider to the right to brighten and left to darken.
- For **Contrast**, move the slider to the right to increase and left to decrease the contrast.
- You can also set by entering a value directly.

3. Adjust **Color Balance**.



»» Important

- The color balance cannot be set if **Black and White Photo** is selected for **Color Mode** in **Color Management** on the **General Settings** tab. If you select **Black and White Photo** after changing the color balance, the changed color balance will be discarded.

»» Note

- If the result of printing after adjusting the color balance is different from what is displayed in print preview, perform Pattern Print and adjust the color again, using the pattern as a reference.

➡ [Adjusting Color Balance by Viewing Patterns](#)

- Move the slider to the right to emphasize and left to weaken the color tone.
- You can also set by entering a value directly.

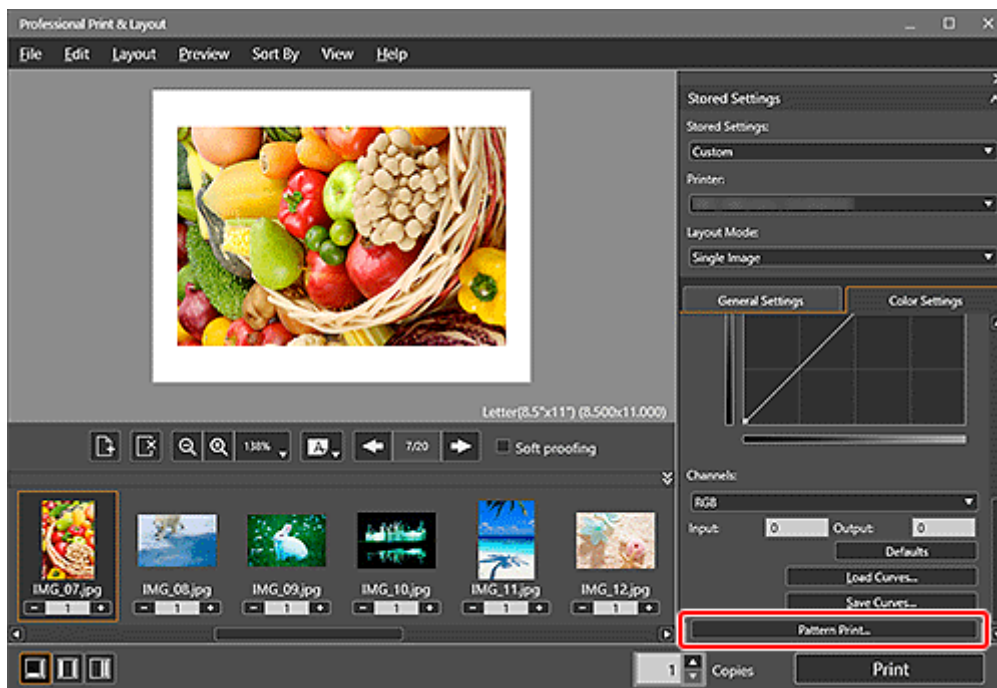
Adjusting Brightness/Contrast by Viewing Patterns

Adjust the brightness and contrast by printing and viewing a pattern with which you can check the brightness and contrast of the image.

Important

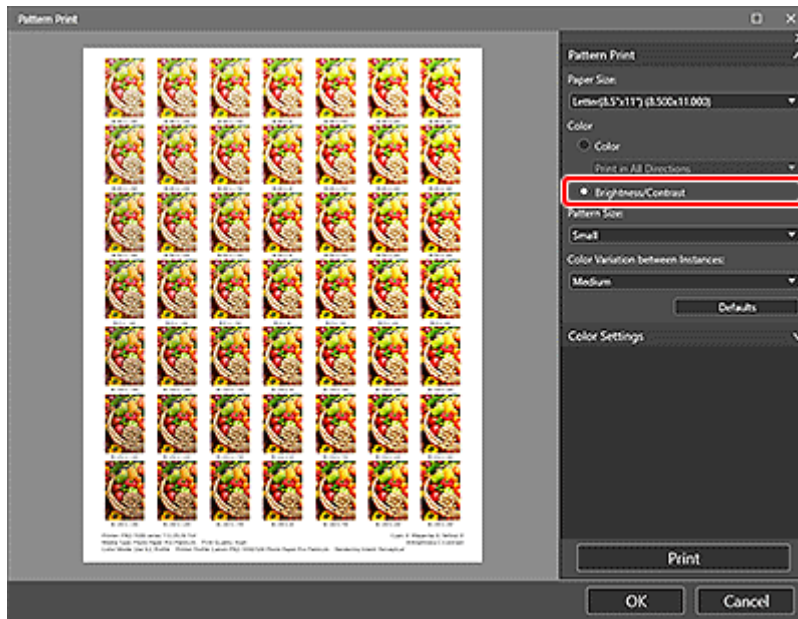
- This function is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.

1. In the Preview area, select the image of which you want to print a pattern.
2. In **Color Settings** on the **Color Settings** tab, click **Pattern Print....**



The **Pattern Print** window appears.

3. Select **Paper Size** according to the paper to be used for **Pattern Print**.
4. Select **Brightness/Contrast** in **Color**.



5. Select **Pattern Size** and **Color Variation between Instances**.

6. Finely adjust the color tone in **Color Settings** as needed.

►►► Note

- For how to adjust the color tone, see [Adjusting Color Balance, Brightness, and Contrast](#).

7. Click **Print**.

The **Print** dialog box appears.

8. Click **OK**.

The pattern is printed.

9. From the printed pattern, enter the values described under the image with the desired brightness and contrast into **Brightness** and **Contrast**.

10. Click **OK** in the **Pattern Print** window.

The **Pattern Print** window closes; the values are reflected in **Brightness** and **Contrast** in the main screen.

►►► Note

- To perform Pattern Print only for a portion of the image, display the **Pattern Print** window after following the steps below.

1. In the main screen, duplicate the image of which you want to print a pattern.
2. [Crop](#) the duplicate image.

After completing Pattern Print and adjustment, delete the duplicate image.

- For the **Pattern Print** window, see [Pattern Print Window](#).

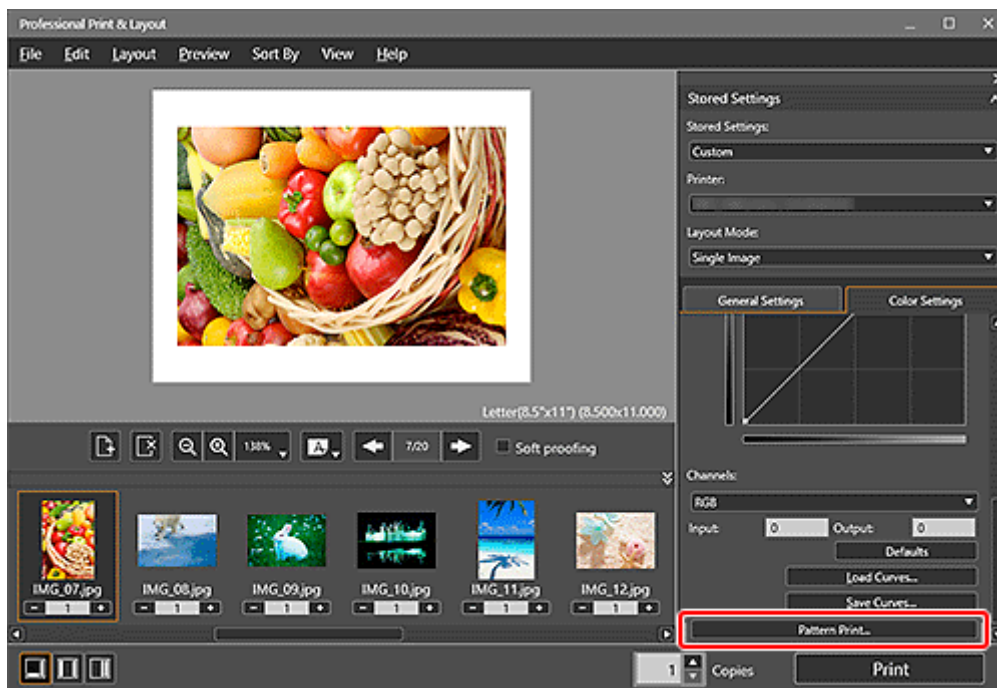
Adjusting Color Balance by Viewing Patterns

Adjust the color balance by printing and viewing a pattern with which you can check the color balance of the image.

Important

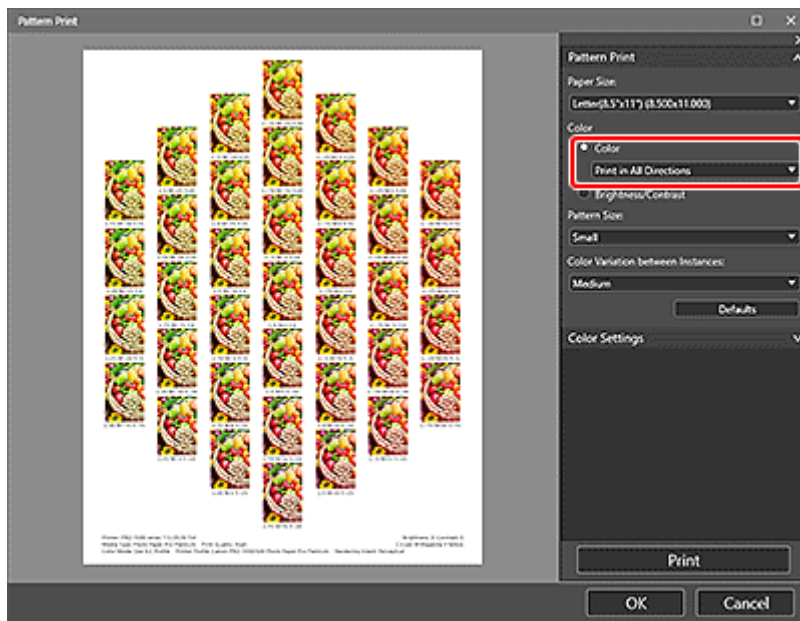
- This function is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.

1. In the Preview area, select the image of which you want to print a pattern.
2. In **Color Settings** on the **Color Settings** tab, click **Pattern Print....**



The **Pattern Print** window appears.

3. Select **Paper Size** according to the paper to be used for **Pattern Print**.
4. Select **Color** in **Color**.



5. Select the color direction in which you want to adjust.

Note

- Select **Print in All Directions** to print a pattern adjusted in the following six color directions. You can check the color direction in which you want to adjust the color balance.



Print in Direction R (upper right): Red

Print in Direction Y (up): Yellow

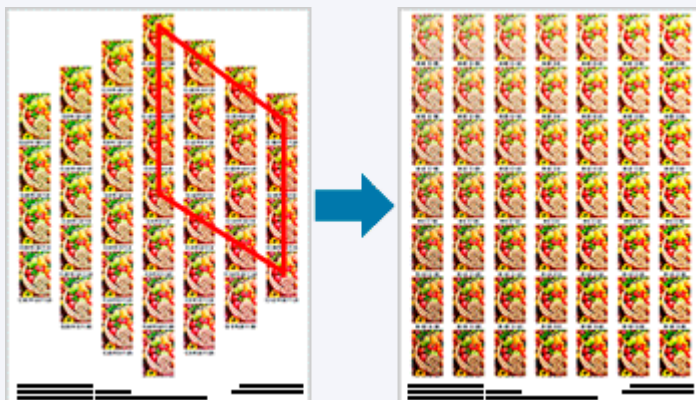
Print in Direction G (upper left): Green

Print in Direction C (lower left): Cyan

Print in Direction B (down): Blue

Print in Direction M (lower right): Magenta

- Select a specific color direction to print a pattern adjusted in the selected color direction. For example, select **Print in Direction R** to print a more detailed pattern of the area in the R direction (framed area) of the pattern for all directions; you can check more variations than in all directions.



6. Select **Pattern Size** and **Color Variation between Instances**.

7. Finely adjust the color tone in **Color Settings** as needed.

»»» **Note**

- The black and white tone can be adjusted only when **Black and White Photo** is set for **Color Mode** in **Color Management** on the **General Settings** tab.
- For how to adjust the color tone, see [Adjusting Color Balance, Brightness, and Contrast](#).

8. Click **Print**.

The **Print** dialog box appears.

9. Click **OK**.

The pattern is printed.

10. From the printed pattern, enter the values described under the image with the desired color balance into **Color Balance**.

11. Click **OK** in the **Pattern Print** window.

The **Pattern Print** window closes; the values are reflected in **Color Balance** in the main screen.

»»» **Note**

- To perform Pattern Print only for a portion of the image, display the **Pattern Print** window after following the steps below.
 1. In the main screen, duplicate the image of which you want to print a pattern.
 2. [Crop](#) the duplicate image.

After completing Pattern Print and adjustment, delete the duplicate image.

- For the **Pattern Print** window, see [Pattern Print Window](#).

Using Recommended Functions

- **Adjusting Margins and Slot Sizes**
- **Cropping Photos**
- **Printing Text in Page Margins**
- **Saving Settings**

Adjusting Margins and Slot Sizes

Adjust the print position and image sizes by adjusting margins and slot sizes.



Important

- Set **Layout Mode** and paper before adjusting margins. If you change **Layout Mode** or paper after setting margins, the settings return to the default.

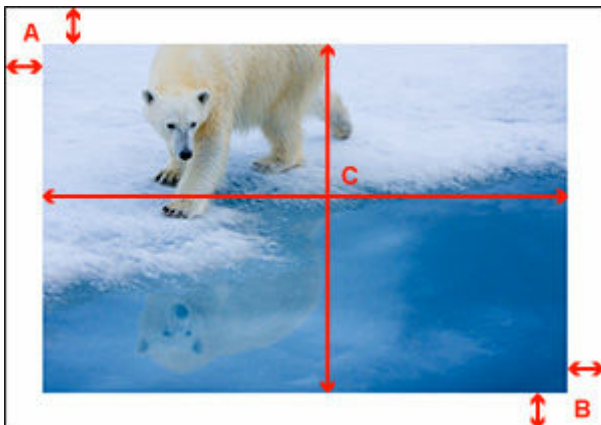
Note

- The displayed items vary depending on your printer.
- Adjustable properties vary by layout.

➡ [Single Image Printing](#)

➡ [Multiple Image Printing](#)

Single Image Printing



A: Position (top/left)

A+B: Margin (top/bottom/left/right)

C: Slot size (height/width)

1. In the **Stored Settings** area, select **Single Image** for **Layout Mode**.
2. In **Layout** on the **General Settings** tab, set the slot size and margins.



Aligning slot position:

1. For **Alignment**, select **Center**, **Center Horizontally**, or **Center Vertically**.

The margins will be set evenly.

Setting slot position and size:

1. Select **Image Slot Position/Size** for **Image Slot Position/Margin**.
2. Set slot position in **Position**.

Set the slot position by moving the sliders for top and left or by entering the values directly. The position can be set while maintaining the slot size.

Note

- The slot position setting may not be available depending on the selected alignment.

3. Set height and width in **Size**.

Set the slot size by moving the sliders for height and width or by entering the values directly.

Setting slot margins:

1. Select **Image Slot Position/Margin** for **Image Slot Position/Margin**.

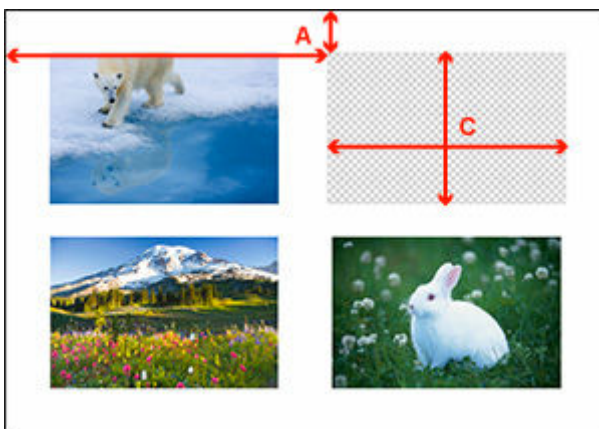
2. Set the top, bottom, left, and right margins in **Margins**.

Set the margin values by moving the sliders for top, bottom, left, and right or by entering the values directly. The slot size is enlarged or reduced according to the margin values.

►► Note

- The sliders may not be displayed depending on your printer.
- Alternatively, to change the position and size of the slot, drag the red frame (slot) in the Preview area.
- The available range of margin values varies depending on the selected media type and paper size.
- To apply the specified settings to all pages, select the **Apply to All Pages** checkbox.
- To turn the margins black, select the **Print the margins in black** checkbox. Margins may not be printed black up to the edges of the paper depending on the selected media type.

Multiple Image Printing

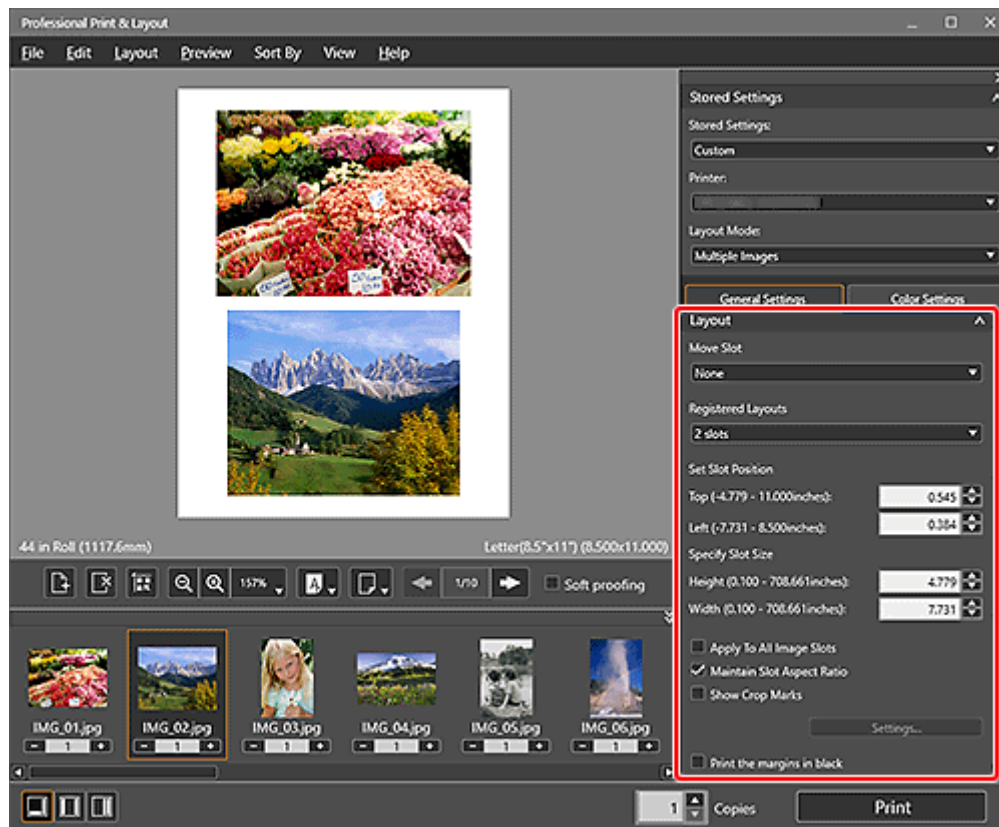


A: Position (top/left)

C: Slot size (height/width)

1. In the **Stored Settings** area, select **Multiple Images** or **Multiple Images (Auto Nesting)** for **Layout Mode**.
2. In the Preview area, select the image you want to adjust.
3. In **Layout** on the **General Settings** tab, set the position and size of the slot in **Set Slot Position** and **Specify Slot Size**.

Set the position and size of the slot by moving the sliders or by entering the values directly.



»»» Note

- The sliders may not be displayed depending on your printer.
- Alternatively, to change the position and size of the slot, drag the red frame (slot) in the Preview area.
- To apply the specified setting to the size of all slots within the page, select the **Apply To All Image Slots** checkbox.
- To turn the margins black, select the **Print the margins in black** checkbox. Margins may not be printed black up to the edges of the paper depending on the selected media type.

»»» Note


- To save the changed margin and slot size settings, click **Layout Management** in **Registered Layouts** on the [General Settings tab \(Layout\)](#).

Cropping Photos

Cropping is the act of selecting the area you want to keep in an image and discarding the rest.

1. Select the image you want to crop, and then click on it in the Preview area.



2. Select  (Crop) from displayed menu.

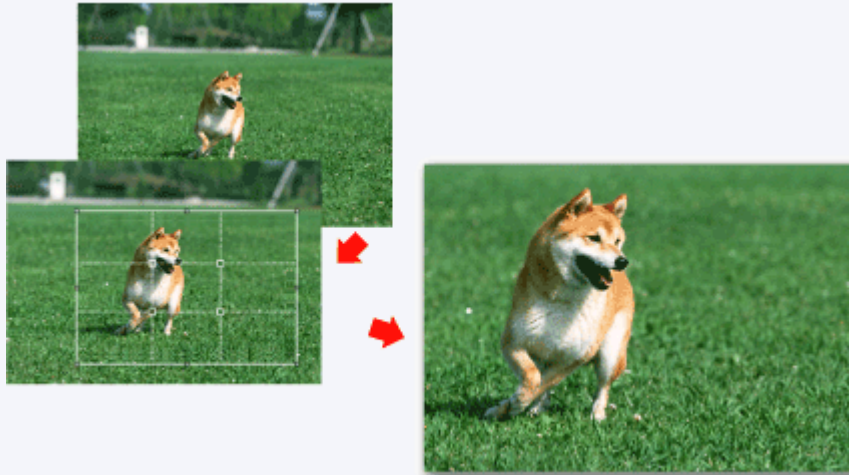
The **Crop** window appears.



3. Drag the area you want to crop.

»» Note

- For borderless layouts, drag the solid red lines or the white squares on the image to adjust the cropping area.
- To move the cropping area, place the cursor within the white frame and drag it. To enlarge or reduce the cropping area, drag the white frame.
- To display guide lines, select the **Display guides for the rule of thirds** checkbox. To create a balanced image, place an intersection of the guide lines over the main subject such as a person or building.



- To lock the aspect ratio when setting the cropping area, select the **Fixed Aspect Ratio** checkbox.

4. Click **OK**.

»» Note

- Cropping applies only to the print result; the original image will not be cut off.
- For the **Crop** window, see [Crop Window](#).

Printing Text in Page Margins

You can print the print settings information (such as the printer and media type used for printing) and photo information (such as the image file name and shooting date/time) in the margins of the paper. You can also print free text in the header and footer.

In **Text Settings** on the **General Settings** tab, select the checkbox(es) of the text you want to print, and then enter text.



A: Header

B: Footer

C: Print settings information

D: Photo information

»» Note

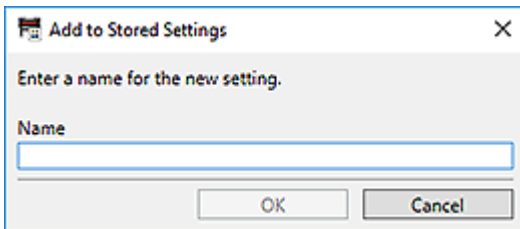
- The print position of the information varies depending on the paper orientation and layout.
- The font and font size vary depending on the paper, slot size, and your environment.
- To print the print information, select the **Print footer** and **Print the print settings info** checkboxes.
- Content to be printed cannot be set.
- Page numbers cannot be printed.
- For **Text Settings** on the **General Settings** tab, see [General Settings Tab \(Text Settings\)](#).

Saving Settings

Save the settings (**Print Settings**, **Layout**, **Color Management**, **Text Settings**, and **Color Settings**) made in the Settings area.

Once saved, the group of settings can be loaded from **Stored Settings**, allowing you to print images easily with the same settings.

After setting each item in the Settings area, click **Save Current Settings** from **Stored Settings** in the **Stored Settings** area, enter a name into the displayed **Add to Stored Settings** dialog box, and then click **OK**.



»»» Note

- Enter up to 50 characters for the name.
- Save up to 200 entries.
- To delete saved settings, delete them from the [Add from Print History window](#).
- You can also save the layout settings individually in **Layout** on the **General Settings** tab.

Printing with Canon's Unique Image Processing Methods

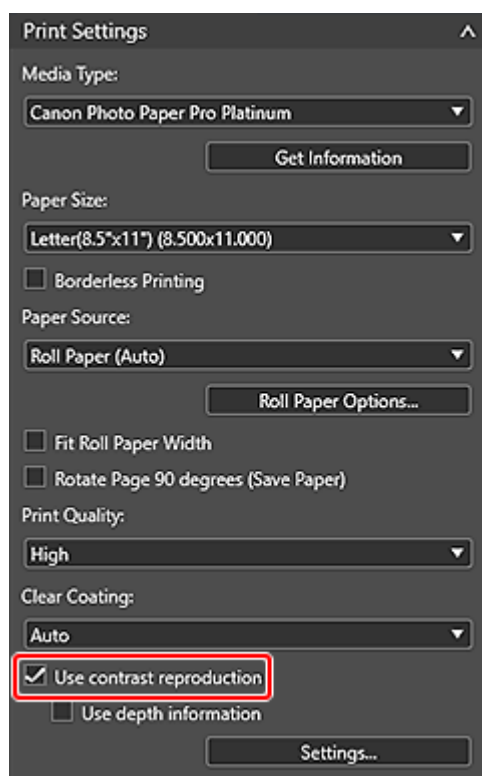
- **Contrast Reproduction**
- **Printing Using Depth Information (DPRAW Print)**
- **HDR Print**
- **Exhibition Lighting Optimization**

Contrast Reproduction

You can reduce sharpness degradation that occurs when printing photos.

Unlike the conventional sharpness control, correction is performed according to the characteristics of paper so as to print sharp photos with a natural impression. For details, refer to Contrast Reproduction in Digital Photo Printing Guide.

In **Print Settings** on the **General Settings** tab, select the **Use contrast reproduction** checkbox, and then print.



Important

- This function is unavailable if you are using a 32-bit operating system.
- We recommend that you use a computer with 16 GB or more of memory. To use on a computer with insufficient memory, print one sheet at a time.
For details, see [Using the Contrast Reproduction Function](#).
- The effect may not be obvious depending on the subject.
- This function is unavailable depending on your printer.

Note

- To set whether to perform contrast reproduction image by image, click **Settings...**
- For **Print Settings** on the **General Settings** tab, see [General Settings Tab \(Print Settings\)](#).

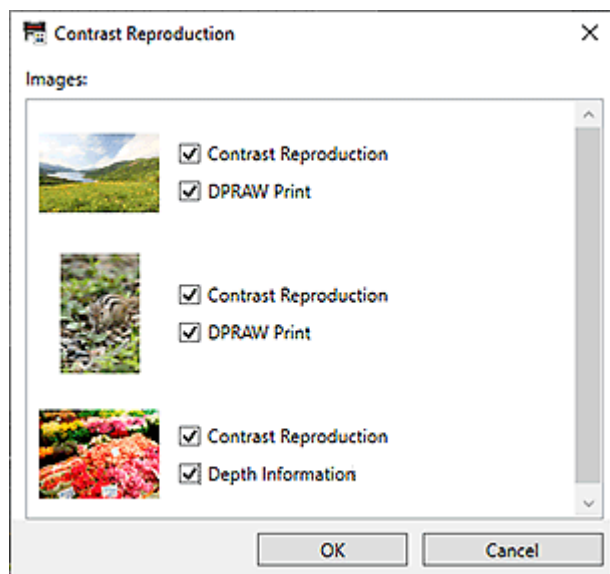
Printing Using Depth Information (DPRAW Print)

Print photos with perspective and three-dimensional feel produced based on the depth information.

For DPRAW images, more suitable corrections can be applied to reduce sharpness degradation that occurs when printing photos, by using the depth information recorded at the time of shooting. For details, refer to Printing Using Depth Information (DPRAW Print) in Digital Photo Printing Guide.

In **Print Settings** on the **General Settings** tab, select the **Use contrast reproduction** and **Use depth information** checkboxes, and then print.

Click **Settings...** to display the **Contrast Reproduction** dialog box for setting the function image by image.



Important

- DPRAW Print is available when the software is started from Digital Photo Professional V.4.9.20 or later and a DPRAW format image is selected. It is unavailable when the Ghosting Reduction function is used in Digital Photo Professional.
- This function is unavailable if you are using a 32-bit operating system.
- We recommend that you use a computer with 16 GB or more of memory. To use on a computer with insufficient memory, print one sheet at a time.
For details, see [Using the Function for Printing Using Depth Information \(DPRAW Print Function\)](#).
- The effect may not be obvious depending on the subject.

Note

- For **Print Settings** on the **General Settings** tab, see [General Settings Tab \(Print Settings\)](#).

HDR Print

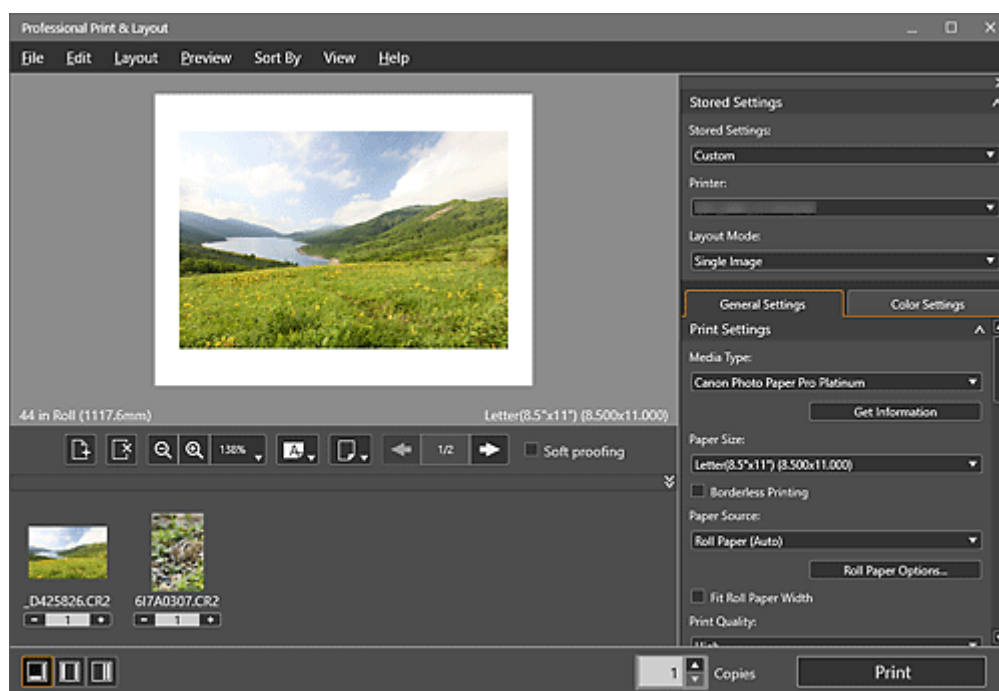
Print images shot with a wide dynamic range by optimizing them for the paper. For details, refer to HDR Print in Digital Photo Printing Guide.

»» Important

- Available when started from Digital Photo Professional V.4.9.20 or later and an HDR PQ compatible RAW image is selected.
- This function is unavailable if you are using a 32-bit operating system.

1. In Digital Photo Professional, select the folder containing the image you want to print.
2. Select the image you want to print.
3. From the **File** menu of Digital Photo Professional, select **Plug-in printing > Print with Professional Print & Layout**.

Professional Print & Layout starts.

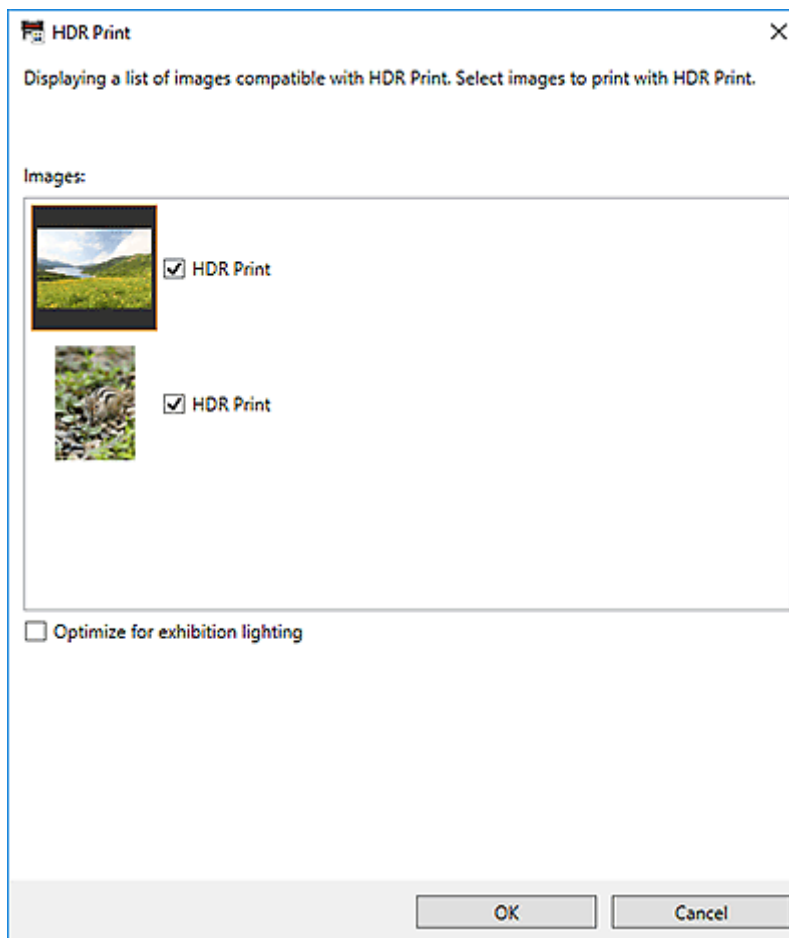


4. In the **Stored Settings** area, set the printer and **Layout Mode** you want to use, and other settings.
5. In **Print Settings** on the **General Settings** tab, set **Media Type**, **Paper Source**, **Print Quality**, and other settings.
6. In **Color Management** on the **General Settings** tab, select **Use ICC Profile** for **Color Mode**.

7. Select the **HDR Print** checkbox.

8. Click **Settings....**

The **HDR Print** dialog box appears.



9. Select the checkbox(es) of the image(s) for which you want to use HDR Print, and then click **OK**.

»»» Note

- Double-click an image to display the **Preview** dialog box for previewing the image with and without **HDR Print**.

10. Click **Print**.

The **Print** dialog box appears.

11. Click **OK**.

»»» Note

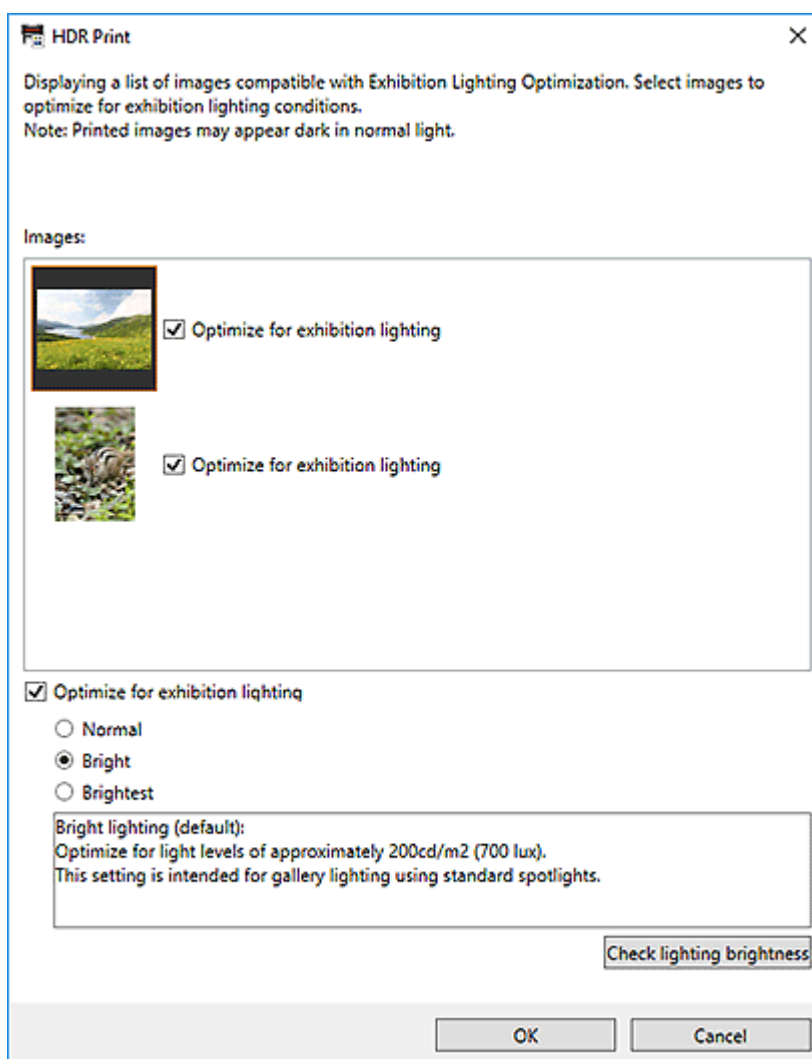
- For the **HDR Print** dialog box, see [HDR Print Dialog Box](#).

Exhibition Lighting Optimization

You can reduce lighting-induced blown-out highlights and washed-out shadows in photos.

You can print so that the dynamic range is visually expanded under bright exhibition lighting. For details, refer to Exhibition Lighting Optimization in Digital Photo Printing Guide.

In **Color Management** on the **General Settings** tab, select the **HDR Print** checkbox and click **Settings....** In the displayed **HDR Print** dialog box, select the **Optimize for exhibition lighting** checkbox, and then print.



Important

- Available when started from Digital Photo Professional V.4.9.20 or later and an HDR PQ compatible RAW image is selected.
- This function is unavailable if you are using a 32-bit operating system.

Note

- To preview the image with each lighting brightness option enabled, double-click an image in **Images** or click **Check lighting brightness**.
- For the **HDR Print** dialog box, see [HDR Print Dialog Box](#).

Professional Print & Layout Screens

➤ Main Screen

- Preview Area
- Preview Area (Gallery Wrap)
- Stored Settings Area
- General Settings Tab (Frame Settings)
- General Settings Tab (Print Settings)
- General Settings Tab (Layout)
- General Settings Tab (Color Management)
- General Settings Tab (Text Settings)
- Color Settings Tab (Color Settings)

➤ Pattern Print Window

➤ Add from Print History Window

➤ Add Printer Dialog Box

➤ Custom Paper Size Dialog Box

➤ Roll Paper Options Dialog Box

➤ Settings... Dialog Box

➤ HDR Print Dialog Box

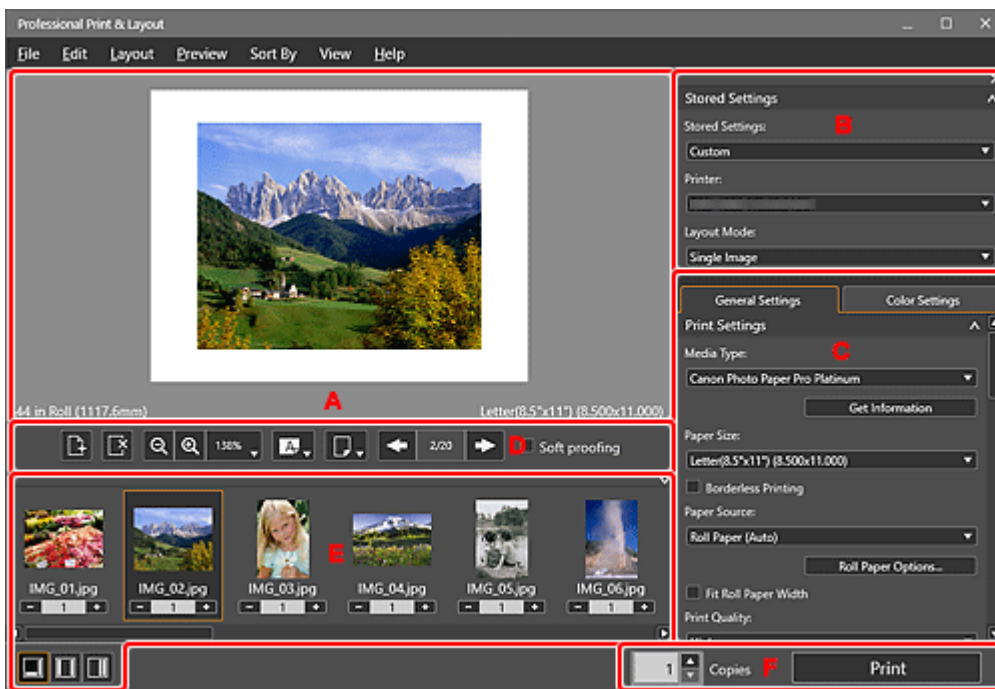
➤ Crop Window

➤ Other Settings Dialog Box

➤ Add Custom Size Dialog Box

Main Screen

This is the screen for handling various functions of Professional Print & Layout. Operate each area to correct color tones of images, print them, and more.



- ➔ [A: Preview Area](#)
- ➔ [B: Stored Settings Area](#)
- ➔ [C: Settings Area](#)
- ➔ [D: Tools Area](#)
- ➔ [E: Thumbnails Area](#)
- ➔ [F: Print Button Area](#)

A: Preview Area

Displays a preview of the selected images.

- ➔ [Preview Area](#)
- ➔ Preview Area (Gallery Wrap)

B: Stored Settings Area

Select the printer you want to use or save the settings made in the Settings area.

- ➔ [Stored Settings Area](#)

C: Settings Area

Make settings for printing.

The Settings area consists of two tabs. For details, see the corresponding page.

General Settings tab

Frame Settings

- ➡ General Settings Tab (Frame Settings)

Print Settings

- ➡ [General Settings Tab \(Print Settings\)](#)

Layout

- ➡ [General Settings Tab \(Layout\)](#)

Color Management

- ➡ [General Settings Tab \(Color Management\)](#)

Text Settings


- ➡ [General Settings Tab \(Text Settings\)](#)

Color Settings tab

Color Settings

- ➡ [Color Settings Tab \(Color Settings\)](#)

▶▶▶ Note

- To show or hide the corresponding category in the Settings area, click  (Triangle).
- **Frame Settings** is displayed when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.

D: Tools Area

▶▶▶ Note

- The displayed items vary depending on the selected **Layout Mode**.



(Add Page)

Adds a new page after the selected page.



(Delete Page)

Deletes the selected page.



(Slot Auto Nesting)

Automatically places images apart from each other.

▶▶▶ Note

- The space between slots can be set on the **Layout** tab of the [Other Settings dialog box](#).



(Zoom Out/Zoom In)

Reduces or enlarges the display size of preview.



(Scale)

Set the preview scale.

Fit to Width (for filling the entire paper width) or **Fit Screen** (for displaying the entire image) can also be selected.



(Paper Orientation)



(Display Paper Horizontally)

Displays the paper in horizontal orientation.



(Display Paper Vertically)

Displays the paper in vertical orientation.

»»» Note

- This setting is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area and **Panel Preview** is displayed.



(Switch Preview)



(Print Preview)


Displays a preview of how the images look with the specified paper size.



(Roll Paper Preview)

Displays a preview of how the images look on the entire roll paper.

»»» Note

-  (Switch Preview) is not displayed depending on your printer.
- This setting is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area and **Panel Preview** is displayed.



(Previous Page/Next Page)

Switches the displayed page when there are multiple pages.

Soft proofing

Select this checkbox to display the image on the monitor in a color tone close to the print result.

»»» Important

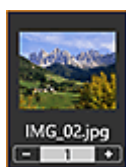
- This function is unavailable depending on the selected media type.

»»» Note

- Available only when **Use ICC Profile** is selected for **Color Mode**.

E: Thumbnails Area

Displays the thumbnails of images.



(File Name/Number of Copies)

Displays the file name of the image and the number of copies set. Set the number of copies (up to 100) for the images you want to print.

You can change the order of images by selecting and dragging them.

»» Note

- This is displayed when **Single Image**, **Multiple Images**, or **Multiple Images (Auto Nesting)** is selected for **Layout Mode** in the **Stored Settings** area.
- If **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area, this is displayed when **Panel Preview** is open. The number of print copies cannot be set.
- Up to 100 images can be displayed in the Thumbnails area. If the number of copies is 0 in the Thumbnails area, that image does not appear in the Preview area.
- To select multiple images, click them while pressing the Ctrl key.
- If started from the Programs folder, you can delete an image in the Thumbnails area by right-clicking it and then selecting **Delete**.



(Selected Image/Number of Frames)

Images with checkmarks will be printed. The view switches according to the number of frames selected in **Panel Layout** in **Frame Settings** on the **General Settings** tab.

»» Note


- This is displayed when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area and **Print Preview** is open.



(Change Layout)

Changes the position of the Thumbnails area.

»» Note

- To show or hide the Thumbnails area, click  (Triangle) at the upper right of the Thumbnails area.

F: Print Button Area

Copies

Set the number of copies to print.

Print

Displays the **Print** dialog box for printing images.

Preview Area

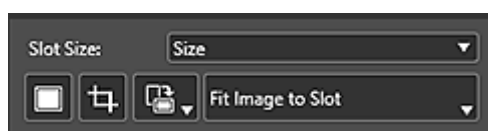
Displays a preview of images. Check it while making edits or adjusting margins; the settings are reflected as you make them.

▶▶▶ Note

- When **Fit Screen** is set for the preview scale, the paper size is displayed at the lower right of the Preview area. (Except when **Multiple Images (Auto Nesting)** is set for **Layout Mode**.)
- When roll paper is selected for **Paper Source** and **Fit Screen** is set for the preview scale, the selected roll paper width is displayed at the lower left of the Preview area.
- To check the file name and other image information, place the cursor over an image in the Preview area.
- The displayed items vary depending on your printer.

When you click the image or margin in the Preview area, one of the following three menus appears accordingly.

When Slot Is Clicked



Slot Size

Custom paper size/standard size

Enlarges or reduces the slot to the size selected from the list.

Image Size

Enlarges or reduces the slot to the original image size.

Fit To Paper Size

Enlarges or reduces the slot to **Paper Size** in **Print Settings**.

▶▶▶ Note

- When **Multiple Images (Auto Nesting)** is selected for **Layout Mode** in the **Stored Settings** area, the slot is enlarged or reduced to A4 size.

Fit To Roll Paper Width

Enlarges or reduces the slot so that the image width matches the roll paper width.

Fit to image aspect ratio

Enlarges or reduces the slot according to the aspect ratio of the current image.

Specify Custom Size

Displays the [Custom Paper Size dialog box](#) for setting a custom size. The set size appears in **Slot Size**.



(Add Image)

Displays the **Open** window for adding an image.

»» Important

- If started from Digital Photo Professional, Photoshop, Photoshop Elements, or Lightroom, this function is unavailable.

»» Note

- If an image is already placed, that image will be replaced with the selected image.



(Crop)

Displays the [Crop window](#) for cropping the image.



(Rotate Image)



(Rotate Right)

Rotates the image 90 degrees clockwise.



(Rotate Left)

Rotates the image 90 degrees counterclockwise.

Image Layout Method

Fit Image to Slot

Displays the entire image within the slot.

Fill Slot with Image

Displays the image without borders so that there is no gap within the slot.

When Slot Is Right-Clicked

Delete

Deletes the image.

Copy

Copies the image.

Rotate

Rotate Right

Rotates the slot and image 90 degrees clockwise.

Rotate Left

Rotates the slot and image 90 degrees counterclockwise.

Align

Center

Places the image in the center of the paper.

Center Horizontally

Centers the image horizontally in the middle of the paper.

Center Vertically

Centers the image vertically in the middle of the paper.

Note

- When **Multiple Images (Auto Nesting)** is selected for **Layout Mode** in the **Stored Settings** area, only **Center Horizontally** is displayed.

Change order

Bring to Front

Moves the image to the front.

Send to Back

Moves the image to the back.

When Margin Is Right-Clicked

New slot

Creates a slot of the selected paper size.

Paste

Pastes the image.

Slot Auto Nesting

Automatically places images apart from each other.

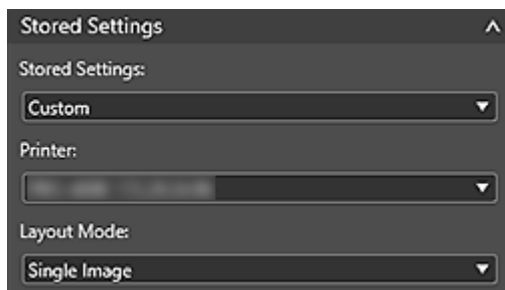
Note

- This is displayed only when **Multiple Images (Auto Nesting)** or **Multiple Images** is selected for **Layout Mode** in the **Stored Settings** area.

Stored Settings Area

Set the printer and layout you want to use.

In addition, save or load the settings (**Print Settings**, **Layout**, **Color Management**, **Text Settings**, and **Color Settings**) made in the Settings area.



Stored Settings

Displays a list of the names of frequently used settings that have been saved from the settings made in the Settings area or from the print history.

»»» Note

- The selection switches to **Custom** if you change a setting in the Settings area.
- Save up to 200 entries to Stored Settings.

Printer Default

Restores the settings made in the Settings area to the printer's default settings.

Save Current Settings

Displays the **Add to Stored Settings** dialog box for saving the settings made in the Settings area to **Stored Settings**.

Add from Print History

Displays the [Add from Print History window](#) for checking the print setting history or saving frequently used settings.

Printer

Select the printer you want to use.

Add Printer

Displays the [Add Printer dialog box](#) for adding the printer you want to use.

Delete Printer

Displays the **Delete Printer** dialog box for deleting the saved printers.

Layout Mode

Select a layout.

»»» Note

- The displayed items vary depending on your printer.

Single Image

Places an image on one page.

Multiple Images

Places multiple images on one page.

Multiple Images (Auto Nesting)

Arrange images freely or automatically making use of the entire roll paper.

Gallery Wrap

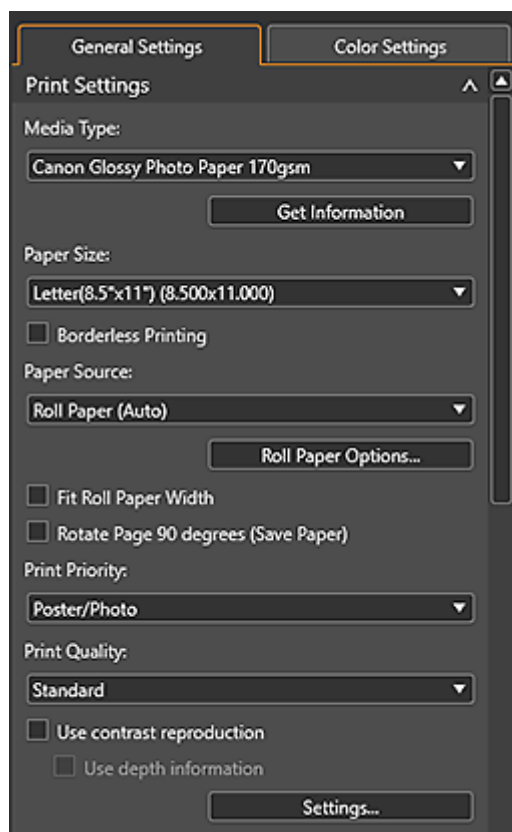
Stretches an image over the sides of the frame.

General Settings Tab (Print Settings)

Specify the paper to be used for printing, print quality, and other settings.

►►► Note

- The displayed items vary depending on your printer, **Layout Mode**, and **Paper Source**.



Media Type

Select the type of paper you want to use.

Get Information

Displays the **Media Information on Printer** dialog box for selecting the media type and roll paper width of the paper loaded in the printer.

Paper Size

Select the size of the paper you want to use.

Click **Specify Custom Size** to display the [Custom Paper Size dialog box](#) for setting custom paper sizes.

►►► Note

- When you add paper in **Specify Custom Size**, the set paper name will be displayed in **Paper Size**.

Roll Paper Width

Select the width of the roll paper you want to use.

»»» Note

- This is displayed only when **Multiple Images (Auto Nesting)** is selected for **Layout Mode** in the **Stored Settings** area.
- If the current roll paper width is not displayed, click **Get Information**, and then obtain the information from the printer.

Borderless Printing

Select this checkbox to print without borders.

Paper Source

Select the paper source.

Roll Paper Options...

Displays the [Roll Paper Options dialog box](#) for setting the roll paper width and margins.

Fit Roll Paper Width

Select this checkbox to enlarge or reduce the slot to the roll paper width.

Rotate Page 90 degrees (Save Paper)

Select this checkbox to rotate the page(s) 90 degrees clockwise.

»»» Note

- This option cannot be specified on a per-page basis. It applies to all pages.

Print Priority

Select the print image quality from **Poster/Photo** and **Poster/Photo (Fluorescent)**. Select **Poster/Photo (Fluorescent)** to print in a wider gamut using fluorescent ink.

Print Quality

Select the print quality from **Highest**, **High**, **Standard**, **Fast**, and **Settings...** according to the data to be printed.

Select **Settings...** to display the **Print Quality** dialog box for setting the print quality level in more detail. Move the slider to the right to improve the quality and left to increase the print speed.

»»» Important

- This function is unavailable when the **Always print in the finest quality setting** checkbox is selected in the [Other Settings dialog box](#).

»»» Note

- Available print quality levels vary depending on your printer and media type.
- **Settings...** may not be displayed depending on your printer and media type.

Clear Coating

Set Clear Coating. Perform Clear Coating to adjust glossiness by applying the Chroma Optimizer (CO) ink to the printed surface.

Auto

Automatically sets the Clear Coating area and whether to perform Clear Coating.

This may help reduce consumption of the Chroma Optimizer (CO) ink and increase the print speed.

Overall

Applies Clear Coating to the entire print area.

If the result of performing Clear Coating by selecting **Auto** is not satisfactory, selecting **Overall** may improve the situation.

None

Prints without performing Clear Coating.

Compared to when Clear Coating is performed, the image quality may seem lower or the print surface may be more susceptible to scratches.

▶▶▶ Note

- If Clear Coating is unnecessary (for example, when laminating the printed image), select **None**.

▶▶▶ Important

- This function is unavailable depending on your printer and media type.
- **None** cannot be selected depending on your printer.
- **Overall** cannot be selected depending on the media type and print quality.
- When **Overall** is selected, changing the media type to one that does not support **Overall** changes the Clear Coating setting to **Auto**.

Use contrast reproduction

Select this checkbox to reduce sharpness degradation that occurs when printing photos.

▶▶▶ Important

- This function is unavailable depending on the media type.
- For restrictions on use, see [Using the Contrast Reproduction Function](#).

Use depth information

Select this checkbox to print photos by optimally reducing sharpness degradation based on the depth information.

▶▶▶ Important

- For restrictions on use, see [Using the Function for Printing Using Depth Information \(DPRAW Print Function\)](#).

▶▶▶ Note

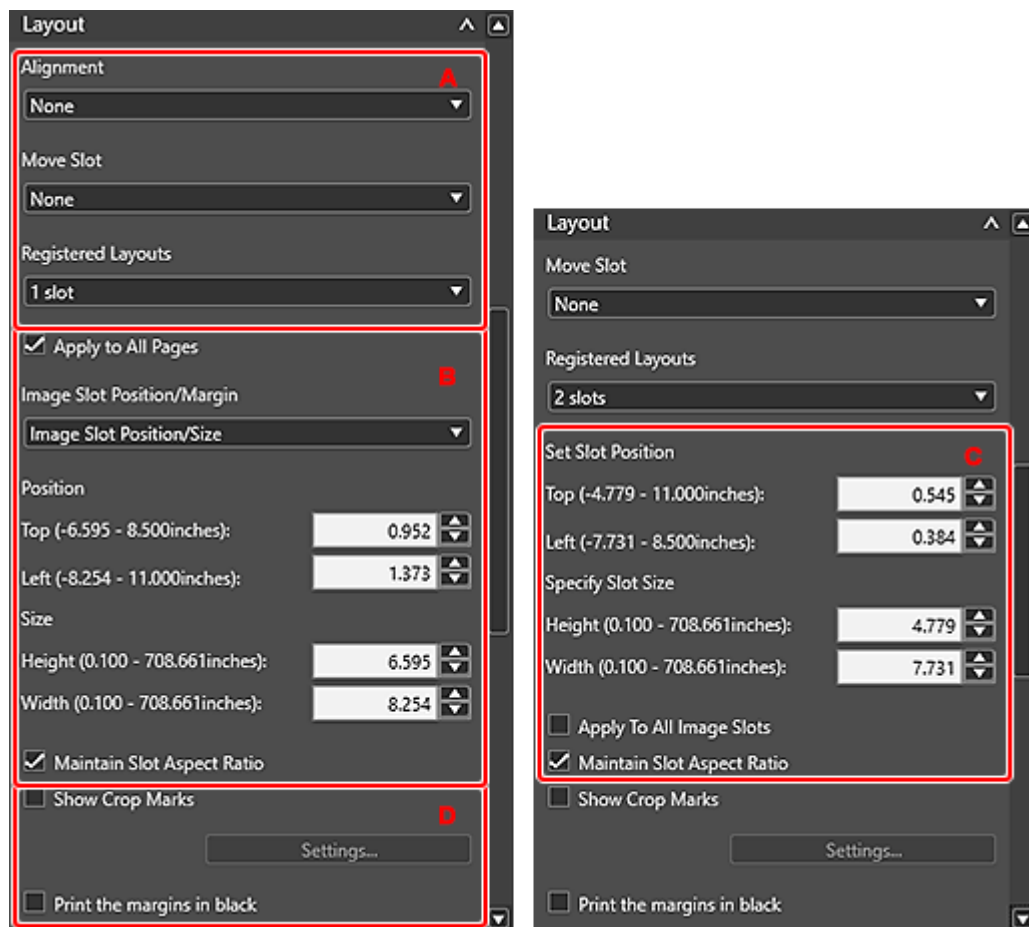
- Available only when the **Use contrast reproduction** checkbox is selected.

Settings...

Displays the **Contrast Reproduction** dialog box for setting contrast reproduction image by image.

General Settings Tab (Layout)

Set the layout.



Note

- The displayed items vary depending on your printer, **Layout Mode**, and paper.

- ➡ [A: Layout Settings Area](#)
- ➡ [B: Slot Settings Area \(Single\)](#)
- ➡ [C: Slot Settings Area \(Multiple\)](#)
- ➡ [D: Print Settings Area](#)

A: Layout Settings Area

Alignment

Sets even margins.

Select from **None**, **Center**, **Center Horizontally**, and **Center Vertically**.

The image alignment is retained even if you adjust the margins or image size.

Note

- This is displayed only for bordered layouts with **Single Image** selected for **Layout Mode** in the **Stored Settings** area.
- The setting applies to all pages.

Move Slot

Set how to move the slot.

Select from **None**, **Centered**, **Move Horizontally**, and **Move Vertically**.

»»» Note

- This setting is unavailable when **Center**, **Center Horizontally**, or **Center Vertically** is selected for **Alignment**.

Registered Layouts

Set the layout.

Select from **1 slot**, **2 slots**, **4 slots**, and **6 slots**.

»»» Note

- This is displayed when **Single Image** or **Multiple Images** is selected for **Layout Mode** in the **Stored Settings** area.
- The displayed items vary depending on the selected **Layout Mode**.
- When layouts are saved, the saved names are displayed.
- Depending on the changed layout, you can set the scope of application of the change. Set in the dialog box that appears when changing the layout or in the **Other Settings** dialog box.

Index Pattern Settings

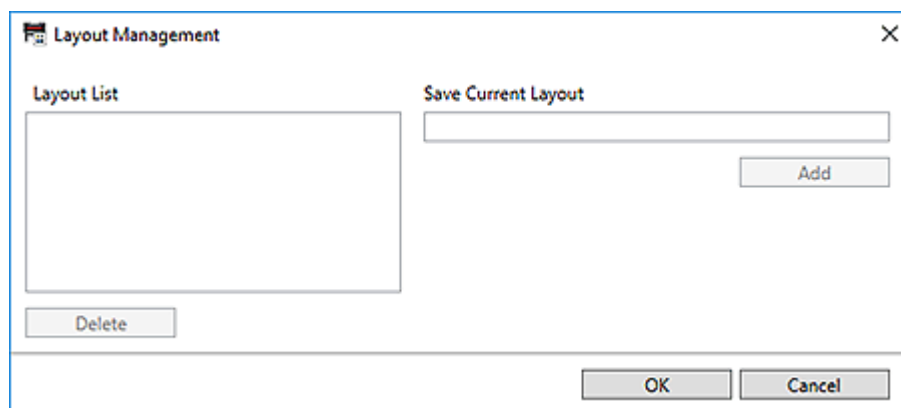
Displays the **Index Pattern Settings** dialog box for setting the number of images to be placed (the number of rows and columns).

»»» Note

- This is displayed only for bordered layouts with **Multiple Images** selected for **Layout Mode** in the **Stored Settings** area.

Layout Management

Displays the **Layout Management** dialog box for saving the settings made in **Layout**.



Layout List

Displays a list of saved layouts.

Delete

Deletes the selected layout.

Save Current Layout

Enter the name of the layout.

Add

Adds the layout name entered in **Save Current Layout** to **Layout List**.

»»» Note

- Enter up to 50 characters in **Save Current Layout**.
- Save up to 100 entries.

B: Slot Settings Area (Single)

This is displayed when **Single Image** is selected for **Layout Mode** in the **Stored Settings** area.

»»» Note

- This does not appear when a borderless layout is selected.
- When entering values, enter single-byte numbers with up to two decimal places (up to three decimal places if the unit is inches).
- The sliders may not be displayed depending on your printer.

Apply to All Pages

Select this checkbox to apply the image position and size settings to all pages.

Image Slot Position/Margin

Set the slot position and margins.

Select **Image Slot Position/Size** or **Image Slot Position/Margin**.

Image Slot Position/Size

Position

Specify the position by moving the sliders for top and left or by entering the values directly.

Size

Specify the height and width of the image by moving the sliders for height and width or by entering the values directly.

»»» Note

- The range of slot sizes varies depending on the media type and paper size.

Image Slot Position/Margin

Margins

Set the margin values by moving the sliders for top, bottom, left, and right or by entering the values directly.

»»» Note

- The range of margin values varies depending on the media type and paper size.

Maintain Slot Aspect Ratio

Select this checkbox to maintain the image's aspect ratio.

C: Slot Settings Area (Multiple)

This is displayed when **Multiple Images** or **Multiple Images (Auto Nesting)** is selected for **Layout Mode** in the **Stored Settings** area.

»» Note

- This does not appear when **Multiple Images** is selected for **Layout Mode** in the **Stored Settings** area and a borderless layout is selected.
- When entering values, enter single-byte numbers with up to two decimal places (up to three decimal places if the unit is inches).
- The sliders may not be displayed depending on your printer.

Set Slot Position

Select an image in the Preview area and set the slot position by moving the sliders for top and left or by entering the values directly.

Specify Slot Size

Select an image in the Preview area and set the slot size by moving the sliders for height and width or by entering the values directly.

Apply To All Image Slots

Select this checkbox to apply the size settings to all slots within the page.

Maintain Slot Aspect Ratio

Select this checkbox to maintain the image's aspect ratio.

D: Print Settings Area

»» Note

- This does not appear when **Single Image** or **Multiple Images** is selected for **Layout Mode** in the **Stored Settings** area and a borderless layout is selected.

Show Crop Marks

Select this checkbox to print with crop marks that indicate the trim size.

Settings...

Displays the [Settings... dialog box](#) for setting the type and position of crop marks.

Print the margins in black

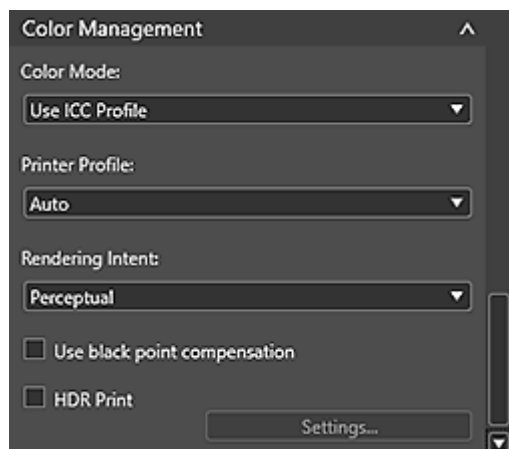
Select this checkbox to print the margins and image spacing in black.

»» Important

- Margins may not be printed black up to the edges of the paper depending on the selected media type.

General Settings Tab (Color Management)

Set the color mode, printer profile, and other settings.



Color Mode

Select a color mode.

Use ICC Profile

You can print according to the paper to be used or print by utilizing the color space of the image developed or corrected in Adobe RGB or sRGB.

Driver Matching

You can print with an impression close to that on the monitor by correctly reflecting the characteristics of the data displayed on the monitor.

No Color Correction

Prints with no color correction.

Black and White Photo

Prints images in black and white. The preview will also be displayed in black and white.

Printer Profile

Select the printer profile to be used.

Select from **Auto** and other ICC profiles.

»» Note

- Available only when **Use ICC Profile** is selected for **Color Mode**.
- For **Auto**, the profile suitable for the current settings will be selected automatically. To check the name of the selected profile, place the cursor over **Auto**.

Rendering Intent

Select a rendering intent.

When Use ICC Profile is selected for Color Mode:

Perceptual

Prints by utilizing the color space that can be reproduced on the printer. Select this when you want to print with an impression close to that on the monitor since the characteristics of the data displayed on the monitor will be reflected correctly.

Relative Colorimetric

Converts the image to the printer's color space in a way that the image's colors within the common color gamut are reproduced to the nearest level. Select this when you want to print in colors that are close to the original image.

When Driver Matching is selected for Color Mode:

»»» Note

- Unavailable depending on your printer.

Perceptual (Photo)

Select this when you want to print with an impression close to that on the monitor since the characteristics of the data displayed on the monitor will be reflected correctly.

Saturation (Poster)

Select this when you want to print posters, business documents, and other items that require attractiveness or reader-friendly graphs.

Use black point compensation

You can achieve an effect similar to Photoshop's black point compensation by selecting this checkbox. Select this checkbox when you want to match the setting with that of Photoshop or other applications.

»»» Note

- Available only when **Use ICC Profile** is selected for **Color Mode**.

HDR Print

Select this checkbox to print images shot with a wide dynamic range by optimizing them for the paper.

Settings...

Displays the [HDR Print dialog box](#) for setting whether to use HDR Print or Exhibition Lighting Optimization image by image.

»»» Important

- Available when started from Digital Photo Professional V.4.9.20 or later and an HDR PQ compatible RAW image is selected.
- For restrictions on use, see [Using the HDR Print Function](#).

»»» Note

- Available only when **Use ICC Profile** is selected for **Color Mode**.

General Settings Tab (Text Settings)

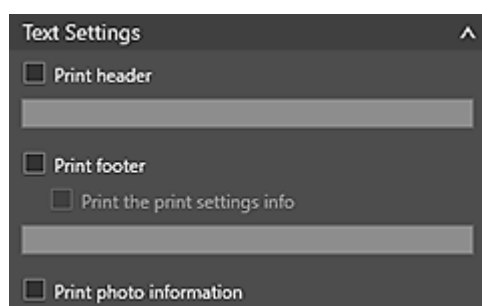
Set the information to be printed.

»» Important

- This function is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.
- This function is unavailable when **Single Image** or **Multiple Images** is selected for **Layout Mode** in the **Stored Settings** area and a borderless layout is selected.

»» Note

- The print positions of the header, footer, and information vary depending on the paper orientation and layout.



Print header

To print text in the header, select this checkbox, and then enter the text you want to print.

Print footer

To print text in the footer, select this checkbox, and then enter the text you want to print.

»» Important

- This function is unavailable when **Multiple Images (Auto Nesting)** is selected for **Layout Mode** in the **Stored Settings** area.

Print the print settings info

Select this checkbox to print the print settings information (such as the printer and media type used for printing).

Print photo information

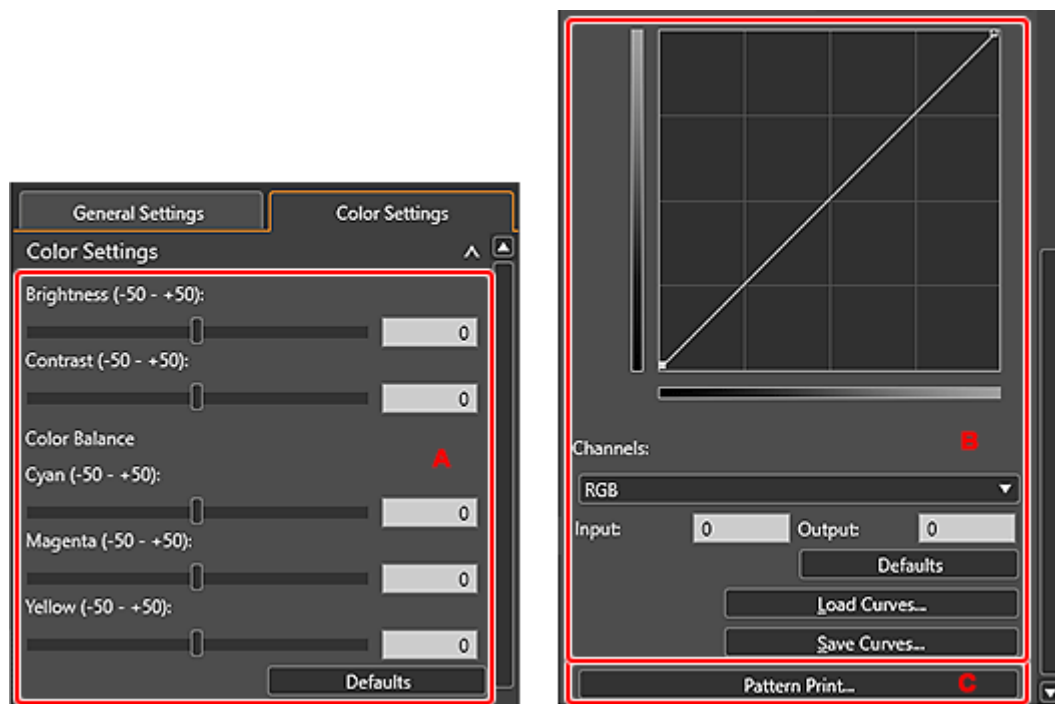
Select this checkbox to print the photo information (such as the file name and shooting date/time).

Color Settings Tab (Color Settings)

Correct the color tones of images. The setting items differ between color photos and black and white photos.

- ➔ [Color Tone Adjustment](#)
- ➔ [Black and White Tone Adjustment](#)

Color Tone Adjustment



- ➔ [A: Tone Adjustment Area](#)
- ➔ [B: Curves Setting Area](#)
- ➔ [C: Pattern Print...](#)

A: Tone Adjustment Area

Brightness

Move the brightness slider to adjust the overall image brightness.

Set within the range of -50 to 50; move the slider to the right to brighten and left to darken.

You can also set by entering the values.

Contrast

Move the contrast slider to adjust the overall image contrast.

Set within the range of -50 to 50; move the slider to the right to increase and left to decrease the contrast.

You can also set by entering the values.

Color Balance

Move the **Cyan**, **Magenta**, and **Yellow** sliders to adjust the color balance.

Set within the range of -50 to 50; move the slider to the right to emphasize and left to weaken the color tone.

You can also set by entering the values.

Defaults

Restores the settings made in the Tone Adjustment area to the default state.

B: Curves Setting Area

Curves Adjustment Space

Adjust the image brightness using graphs (Curves) showing the balance of tone input and output. Drag specific points to freely adjust the brightness of the corresponding areas.

Channels

Each dot of an image is a mixture of Red, Green, and Blue in various proportions (gradation). These colors can be adjusted individually.

RGB

Adjust the Red, Green, and Blue combined.

Red

Adjust the Red channel.

Green

Adjust the Green channel.

Blue

Adjust the Blue channel.

Input/Output

Displays the values for the point selected in the Curves adjustment space. You can also adjust by entering the values.

Defaults

Restores the Curves setting to the default state.

Load Curves...

Load a saved Curves setting.

Save Curves...

Save the current Curves setting.

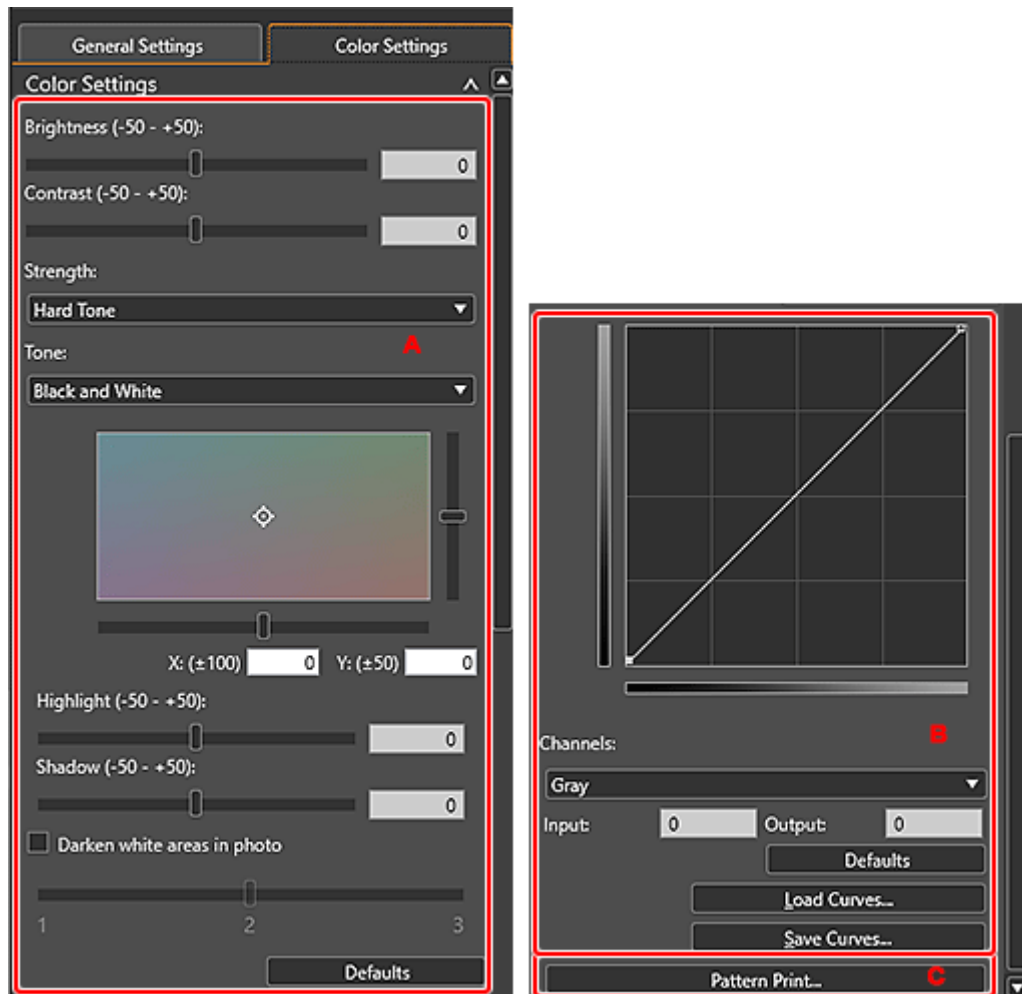
C: Pattern Print...

Displays the **Pattern Print** window for printing a pattern.

»» Important

- This function is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.

Black and White Tone Adjustment



➔ [A: Black and White Tone Adjustment Area](#)

➔ [B: Curves Setting Area](#)

➔ [C: Pattern Print...](#)

A: Black and White Tone Adjustment Area

Brightness

Move the brightness slider to adjust the overall image brightness.

Set within the range of -50 to 50; move the slider to the right to brighten and left to darken.

You can also set by entering the values.

Contrast

Move the contrast slider to adjust the overall image contrast.

Set within the range of -50 to 50; move the slider to the right to increase and left to decrease the contrast.

You can also set by entering the values.

Strength

Select the image's midtone brightness from **Soft Tone**, **Standard**, **Medium-hard Tone**, **Hard Tone**, and **Strong-hard Tone**.

Tone

Select a tone for the black and white image from **Cool Tone**, **Black and White**, and **Warm Tone**.

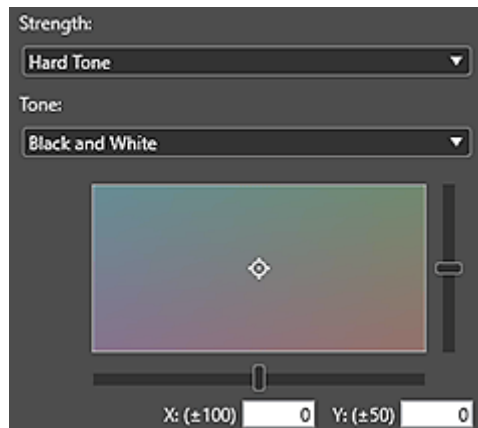
▶▶▶ Note

- The selection switches to **Custom** if you specify a color in the black and white color tone adjustment space.

Black and White Color Tone Adjustment Space

You can adjust the color tone of the black and white image by clicking the color field.

You can also adjust by moving the sliders or by entering the X-coordinate and Y-coordinate values.



Highlight

Adjust the brightness of the brightest area. Move the slider to adjust the highlights.

Set within the range of -50 to 50; move the slider to the right to increase and left to decrease the highlights.

You can also set by entering the values.

Shadow

Adjust the brightness of the darkest area. Move the slider to adjust the shadows.

Set within the range of -50 to 50; move the slider to the right to decrease and left to increase the shadows.

You can also set by entering the values.

Darken white areas in photo

Select this checkbox to darken the highlights in the image; it will be easier to distinguish the boundary between the image and the paper.

Move the slider to **3** to darken and **1** to lighten the color.

Defaults

Restores the settings made in the Black and White Tone Adjustment area to the default state.

B: Curves Setting Area

Curves Adjustment Space

Adjust the image brightness using graphs (Curves) showing the balance of tone input and output. Drag specific points to freely adjust the brightness of the corresponding areas.

Channels

Gray

Adjust the Gray channel.

Input/Output

Displays the values for the point selected in the Curves adjustment space. You can also adjust by entering the values.

Defaults

Restores the Curves setting to the default state.

Load Curves...

Load a saved Curves setting.

Save Curves...

Save the current Curves setting.

C: Pattern Print...

Displays the **Pattern Print** window for printing a pattern.

Important

- This function is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.

Pattern Print Window

Print a pattern with which you can check the color balance, brightness, and contrast of the image.

To display the **Pattern Print** window, click **Pattern Print...** on the **Color Settings** tab (Color Settings) in the [main screen](#).

Important

- This function is unavailable when **Gallery Wrap** is selected for **Layout Mode** in the **Stored Settings** area.



- ➡ [A: Pattern Print Preview](#)
- ➡ [B: Pattern Print Settings Area \(Pattern Print\)](#)
- ➡ [C: Pattern Print Settings Area \(Color Settings\)](#)
- ➡ [D: Print Button](#)

A: Pattern Print Preview

Displays the preview with the settings applied.

B: Pattern Print Settings Area (Pattern Print)

Paper Size

Select the size of the paper to use for Pattern Print.

Color

Select whether to print the color pattern or the brightness/contrast pattern.

For **Color**, select from **Print in All Directions**, **Print in Direction R**, **Print in Direction Y**, **Print in Direction G**, **Print in Direction C**, **Print in Direction B**, and **Print in Direction M**.

►►► Note

- If **Black and White Photo** is selected for **Color Mode** in the [main screen](#), select whether to print the black and white tone pattern or the brightness/contrast pattern.

Pattern Size

Select the size of the pattern to be printed.

Select from **Large**, **Medium**, and **Small**.

The number of instances that are printed when each pattern size is selected is as follows.

Pattern Size	Color Direction of Pattern Print		
	Print in All Directions	Other than Print in All Directions	Black and White Tone
Large	7 instances	9 instances	9 instances
Medium	19 instances	25 instances	25 instances
Small	37 instances	49 instances	45 instances

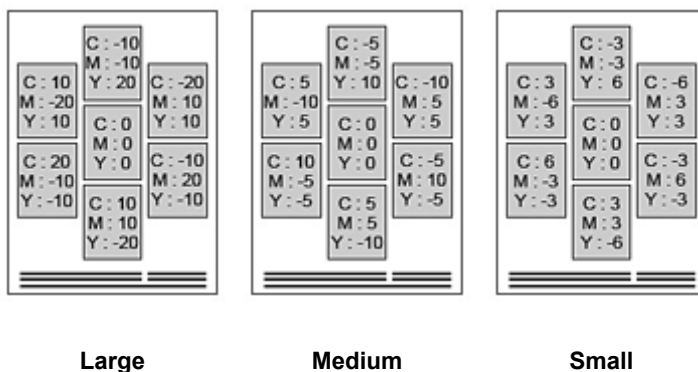
Color Variation between Instances

Set the color range width (color differences from the standard instance) of the pattern to be printed.

Select from **Large**, **Medium**, and **Small**.

Select **Large** to widen and **Small** to narrow the color range width of the pattern to be printed.

Example:



Defaults

Restores the default state.

C: Pattern Print Settings Area (Color Settings)

Displays the settings made on the **Color Settings** tab (Color Settings) in the [main screen](#).

When you change the settings in this window and click **OK**, the changes will be applied to the **Color Settings** tab (Color Settings) in the [main screen](#).

➡ [Color Settings Tab \(Color Settings\)](#)

D: Print Button

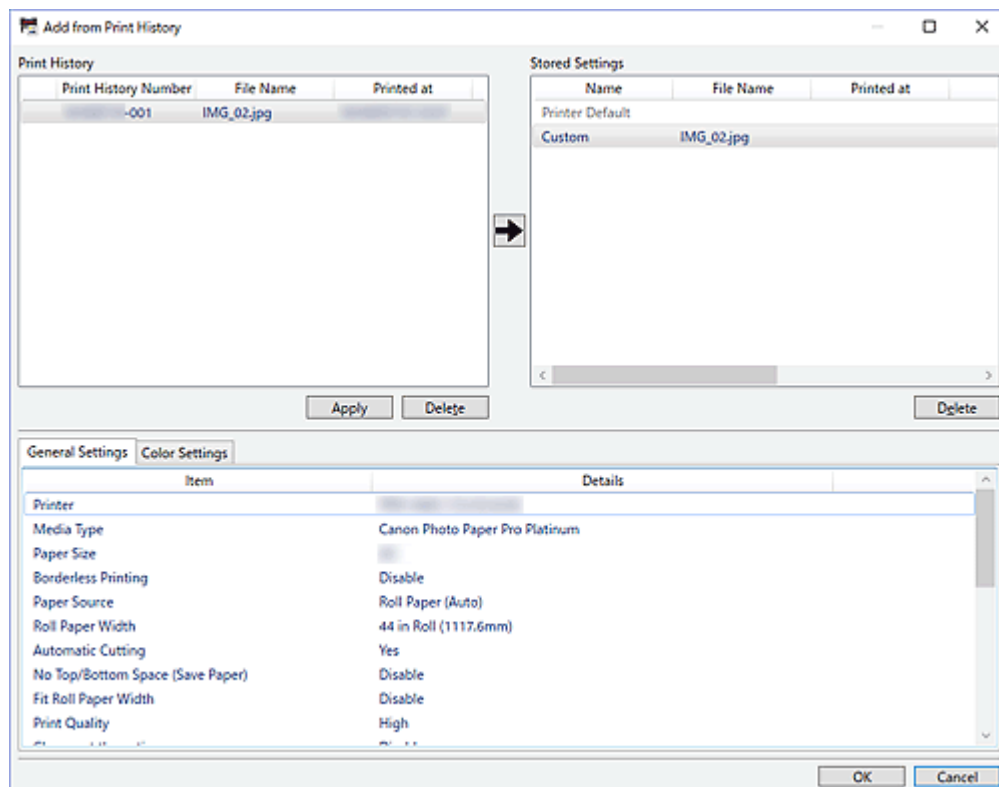
Print

Starts Pattern Print.

Add from Print History Window

Check the print setting history or save print settings from the history.

To display the **Add from Print History** window, click **Add from Print History** from **Stored Settings** in the [Stored Settings area](#).



Print History

Displays a list of print history entries.

Apply

Select a print history entry and click **Apply**, and then click **OK** to apply the settings to the Settings area in the main screen.

Delete

Deletes the selected print history entry.

➤➤➤ Note

- Up to 200 print history entries are displayed.

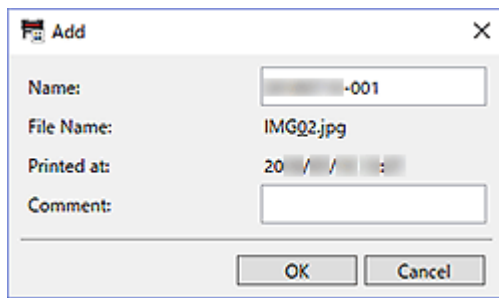


(Arrow)

Save **Print History** settings to **Stored Settings**.



Select the print history entry you want to save, and then click (Arrow) to display the **Add** dialog box. To save to **Stored Settings**, enter **Name** and **Comment**, and then click **OK**.



The image shows a standard Windows-style dialog box titled "Add". It has a close button (X) in the top right corner. Inside the dialog, there are four labeled text input fields: "Name:" with a dropdown menu currently showing "-001", "File Name:" with the text "IMG02.jpg", "Printed at:" with the text "20 / / :", and "Comment:" which is empty. At the bottom of the dialog, there are two buttons: "OK" and "Cancel".

Stored Settings

Displays the settings saved from the print history or from **Save Current Settings** in **Stored Settings** in the main screen.

Delete

Deletes the selected entry. It will also be deleted from **Stored Settings** in the main screen.

»»» Note

- Save up to 200 entries to Stored Settings.

Setting Details

Displays the details of the selected **Print History** or **Stored Settings** entry.

General Settings

Displays the settings made on the **General Settings** tab in the main screen.

Color Settings

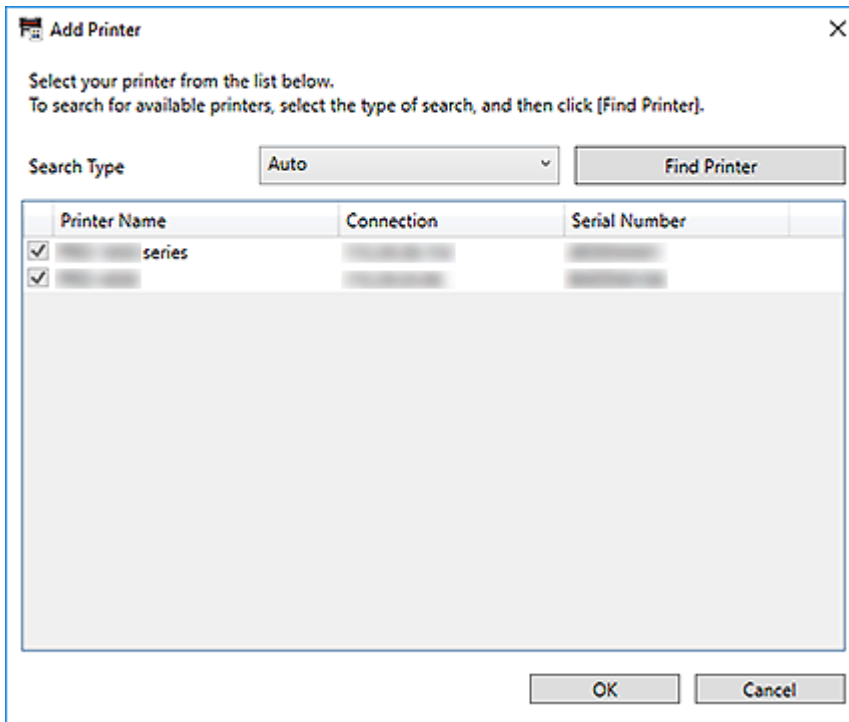
Displays the settings made on the **Color Settings** tab in the main screen.

Add Printer Dialog Box

Add printers to be used.

To display the **Add Printer** dialog box, click **Add Printer** from **Printer** in the [Stored Settings area](#).

Search for printers, and then select the printer(s) you want to add.



Search Type

Select a printer search method from **Auto** and **IPv4/IPv6**.

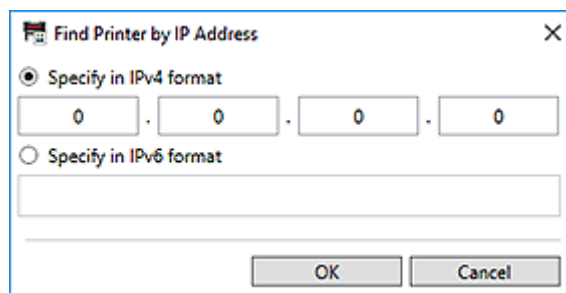
Find Printer

When Auto is selected for Search Type:

Searches for printers.

When IPv4/IPv6 is selected for Search Type:

Displays the **Find Printer by IP Address** dialog box for searching for a printer by specifying its IP address.



List

Displays a list of detected printers. Select the checkbox(es) and click **OK** to add the printer(s) to **Printer** in the **Stored Settings** area.

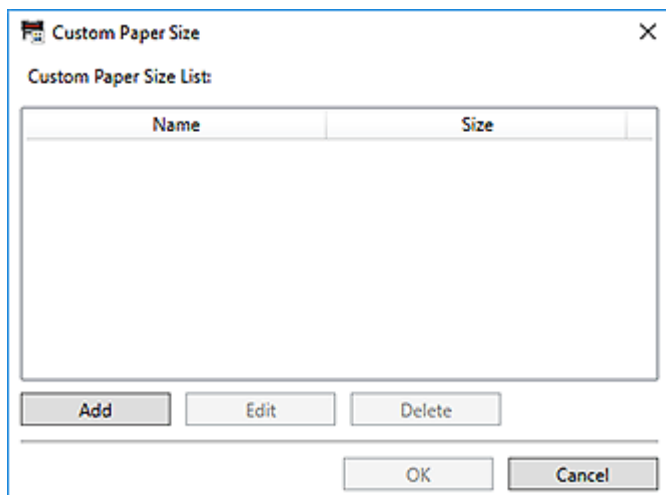
»» Note

- If you select **IPv4/IPv6** and search, each of a printer's IP addresses (IPv4 and IPv6) may appear as a different printer in the search result. Select either one and add.
- If a printer connected over a network does not appear, check that the computer being used for search and the printer are on the same subnet. If not on the same subnet, check the printer's IP address, and then specify the IPv4 or IPv6 address and search.

Custom Paper Size Dialog Box

Set the names and sizes of paper.

To display the **Custom Paper Size** dialog box, click **Specify Custom Size** from **Paper Size** on the [General Settings tab \(Print Settings\)](#).

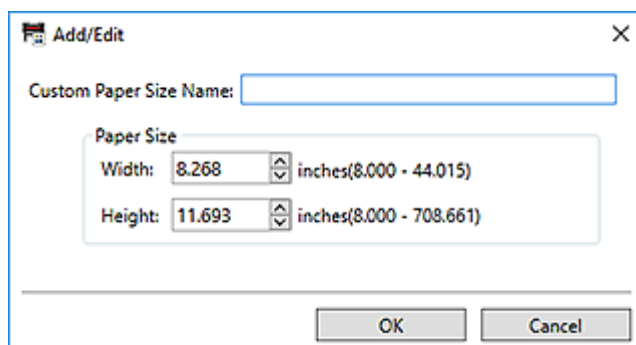


Custom Paper Size List

Displays a list of paper names and paper sizes saved in the **Add/Edit** dialog box.

Add

Displays the **Add/Edit** dialog box for setting paper names and paper sizes.



Custom Paper Size Name

Set the paper name.

Width

Set the paper width.

Height

Set the paper length.

Edit

Select a paper name and click **Edit** to change the saved paper name or paper size.

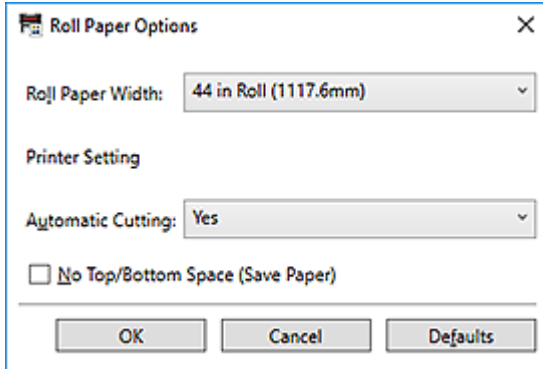
Delete

Select a paper name and click **Delete** to delete the custom paper.

Roll Paper Options Dialog Box

Set the roll paper width and margins.

To display the **Roll Paper Options** dialog box, click **Roll Paper Options...** on the [General Settings tab \(Print Settings\)](#).



Roll Paper Width

Select the roll paper width.

Automatic Cutting

Select whether to cut the paper automatically after printing.

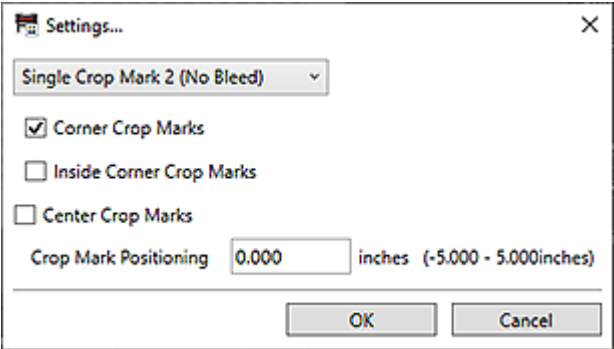
No Top/Bottom Space (Save Paper)

Select this checkbox to print without a margin at the top and bottom of the page.

Settings... Dialog Box

Set crop marks that indicate the trim size.

To display the **Settings...** dialog box, select the **Show Crop Marks** checkbox on the [General Settings tab \(Layout\)](#), and then click **Settings...**



Types of crop marks

Single Crop Mark 1 (Bleed)

Prints lines that indicate the bleed area.

Single Crop Mark 2 (No Bleed)

Prints lines that indicate the trim size.

Double Crop Mark (Japan)

Prints lines that indicate the trim size and bleed area.

Corner Crop Marks

Select this checkbox to print an outside crop mark at each of the four corners of the image.




Inside Corner Crop Marks

Select this checkbox to print an inside crop mark at each of the four corners of the image.

»»» Important

- Unavailable when **Double Crop Mark (Japan)** is selected.

Type of Crop Mark	Selected Crop Mark		
	Corner Crop Marks	Corner Crop Marks Inside Corner Crop Marks	Inside Corner Crop Marks
Single Crop Mark 1 (Bleed)			
Single Crop Mark 2 (No Bleed)			

Double Crop Mark (Japan)			
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»» Note

- Trim size is the final size of the printed material.
- Bleed area is the area outside the trim size; it will be trimmed off when cut. Setting the bleed area prevents unwanted margins when cut.

Center Crop Marks

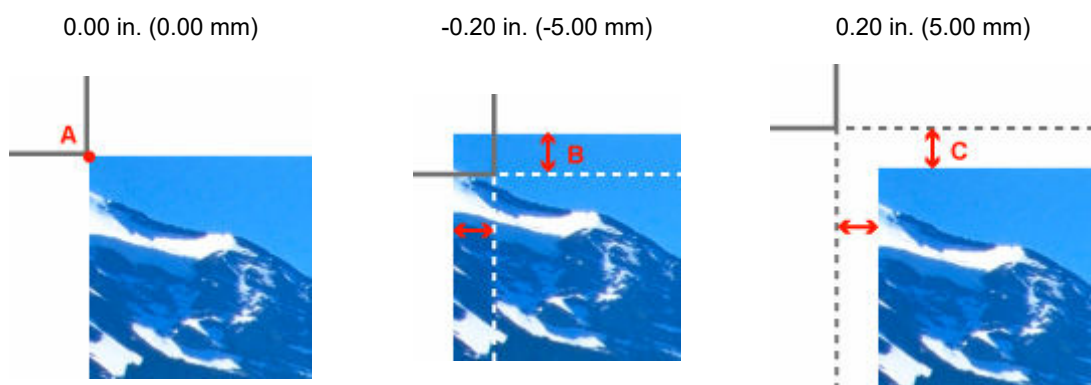
Select this checkbox to print lines that indicate the center of the top, bottom, left, and right edges of the trim size.



Crop Mark Positioning

Set the crop mark positions within the range of -5.000 to +5.000 in. (-100.00 to +100.00 mm).

Example:



A: Original crop mark position

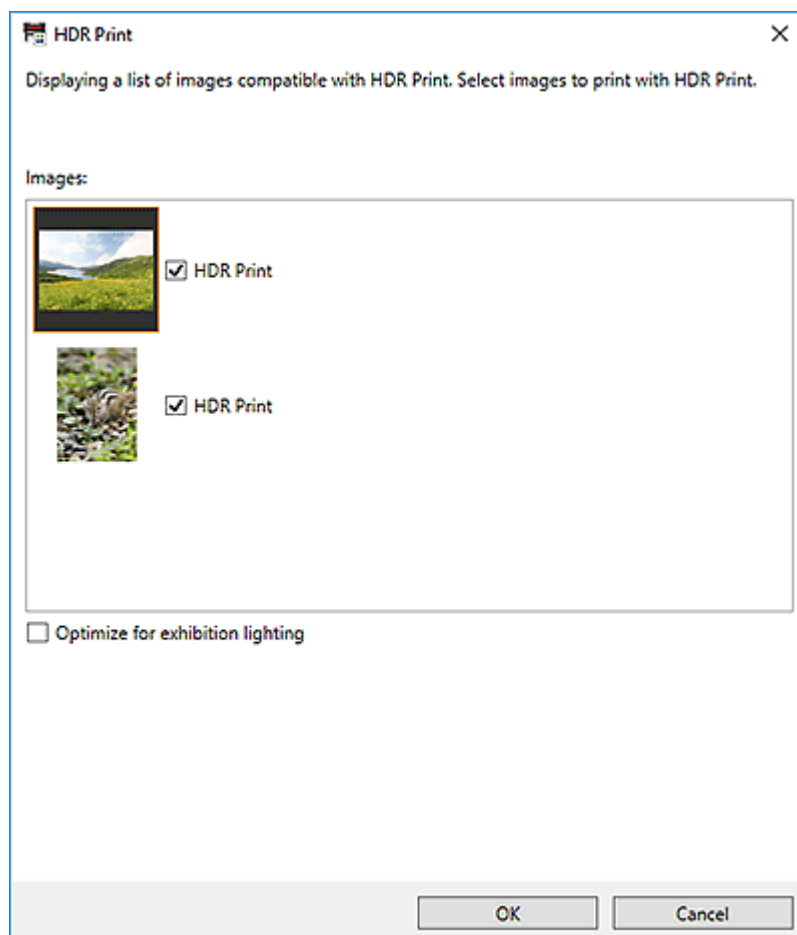
B: Bleed area

C: Margin

HDR Print Dialog Box

Optimize images shot with a wide dynamic range according to the paper. In addition, print by reducing lighting-induced blown-out highlights in photos.

To display the **HDR Print** dialog box, select the **HDR Print** checkbox on the [General Settings tab \(Color Management\)](#), and then click **Settings....**



Images

Displays a list of HDR Print compatible images.

HDR Print

Select this checkbox to print images shot with a wide dynamic range by optimizing them for the paper. You can set whether to use HDR Print image by image.

Double-click an image to display the **Preview** dialog box for previewing the image with and without **HDR Print**.

Optimize for exhibition lighting

Select this checkbox to print by reducing lighting-induced blown-out highlights in photos. You can set whether to use Exhibition Lighting Optimization image by image.

Double-click an image to display the **Check Lighting Brightness** dialog box for previewing the image with each lighting brightness option enabled.

»»» Note

- When you select the **Optimize for exhibition lighting** checkbox below **Images**, **HDR Print** switches to the **Optimize for exhibition lighting** checkbox.

Optimize for exhibition lighting

Select this checkbox to set the lighting brightness.

Normal

Performs optimization suitable for lighting of about 100 cd/m² (350 lux).

»»» Note

- Effective when not using special lighting.

Bright

Performs optimization suitable for lighting of about 200 cd/m² (700 lux).

»»» Note

- Effective when using a typical spotlight in a gallery or other place.

Brightest

Performs optimization suitable for lighting of about 400 cd/m² (1400 lux).

»»» Note

- Effective when using a high-intensity spotlight for a demonstration, show, or other event.

Check lighting brightness


Displays the **Check Lighting Brightness** dialog box for previewing the image with each lighting brightness option enabled.

»»» Note

- To check the appearance under exhibition lighting, match your monitor's brightness to the exhibition lighting brightness.

Crop Window

Crop images to select only the areas you want to keep.

To display the **Crop** window, click the image you want to crop in the [Preview area](#), and then click  (Crop) from the displayed menu.

►►► Note

- The displayed items vary depending on the selected **Layout Mode**.



Solid white lines (cropping area)

Represent the cropping area.

To move the cropping area, place the cursor within the cropping area and drag it.

To enlarge or reduce the cropping area, drag the white frame of the cropping area.

►►► Note

- For bordered layouts, a white frame appears when you drag the area you want to crop.

Broken white lines (the rule of thirds)

Represent the rule of thirds.

To create a balanced image, place the main subject such as a person or building along the broken lines or at an intersection.

Solid red lines

Represent the print area of borderless layouts.

Display guides for the rule of thirds

Select this checkbox to show the rule of thirds. Serves as a guide for cutting out the image.

Fixed Aspect Ratio

Select this checkbox to lock the aspect ratio when setting the cropping area.

Clear

Cancels cropping.

»» Important

- This function is unavailable for borderless layouts.

Other Settings Dialog Box

Set the number of copies to print and the amount of extension for borderless printing.

You can also specify the settings related to preview, set the monitor's color matching, and more.

To display the **Other Settings** dialog box, select **Other Settings...** from the **File** menu in the [main screen](#).

➡ [Preferences Tab](#)

➡ [Custom Settings Tab](#)

➡ [Layout Tab](#)

Preferences Tab

➤➤➤ Note

- The displayed items vary depending on your printer.

The screenshot shows the 'Other Settings' dialog box with the 'Preferences' tab selected. The dialog has three tabs: 'Preferences', 'Custom Settings', and 'Layout'. The 'Preferences' tab contains the following settings:

- ☐ Print after creating print data by page
- ☒ Collate
- Amount of extension for borderless printing: Standard (dropdown menu)
- ☐ Always print in the finest quality setting
- ☐ Unidirectional Printing
- Acquire new media information: Add/Update Media Information (button)
- Unit:
 - ☐ mm
 - ☒ inches
- Output Method:
 - ☒ Print
 - ☐ Save in Job Box
 - Job Box No. 1 (dropdown menu) (1 - 29)
 - Name of data to be saved (text field)
- ☐ Print after reception is complete
- ☒ Display all confirmation dialogs

At the bottom right, there is a 'Defaults' button. At the bottom center, there are 'OK' and 'Cancel' buttons.

Print after creating print data by page

Set whether to send the data to the printer page by page or all at once. Select this checkbox to send the data page by page.

Collate

Select this checkbox to print on a copy-by-copy basis.

Amount of extension for borderless printing

Set the amount of extension for borderless layouts.

Select from **None**, **Small**, **Medium**, **Large**, and **Standard**.

Example:

The solid lines represent the paper size, and the translucent areas represent the amount of extension.



Large



Medium



Small

»» Note

- The image may be cropped depending on the set amount of extension.

Always print in the finest quality setting

Select this checkbox to always print in the finest quality.

Unidirectional Printing

Select this checkbox to perform unidirectional printing. Use this if colors are patchy or color streaks are apparent in the printed photo.

»» Note

- Printing may take longer than usual.

Add/Update Media Information

Updates media information.

Unit

Select **mm** or **inches**.

»» Note

- If the unit is changed, the change will be reflected by restarting Professional Print & Layout.

Output Method

Select the output method.

Print

Performs printing.

Save in Job Box

Saves the print job to the printer's box function.

Job Box No.

Select the destination box number (1 to 29).

Name of data to be saved

Set the name of the data to be saved.

Print after reception is complete

Select this checkbox to prevent degradation of the print quality that occurs when printing is interrupted due to choppy reception of the print job.

»» Important

- This function is unavailable depending on your printer.

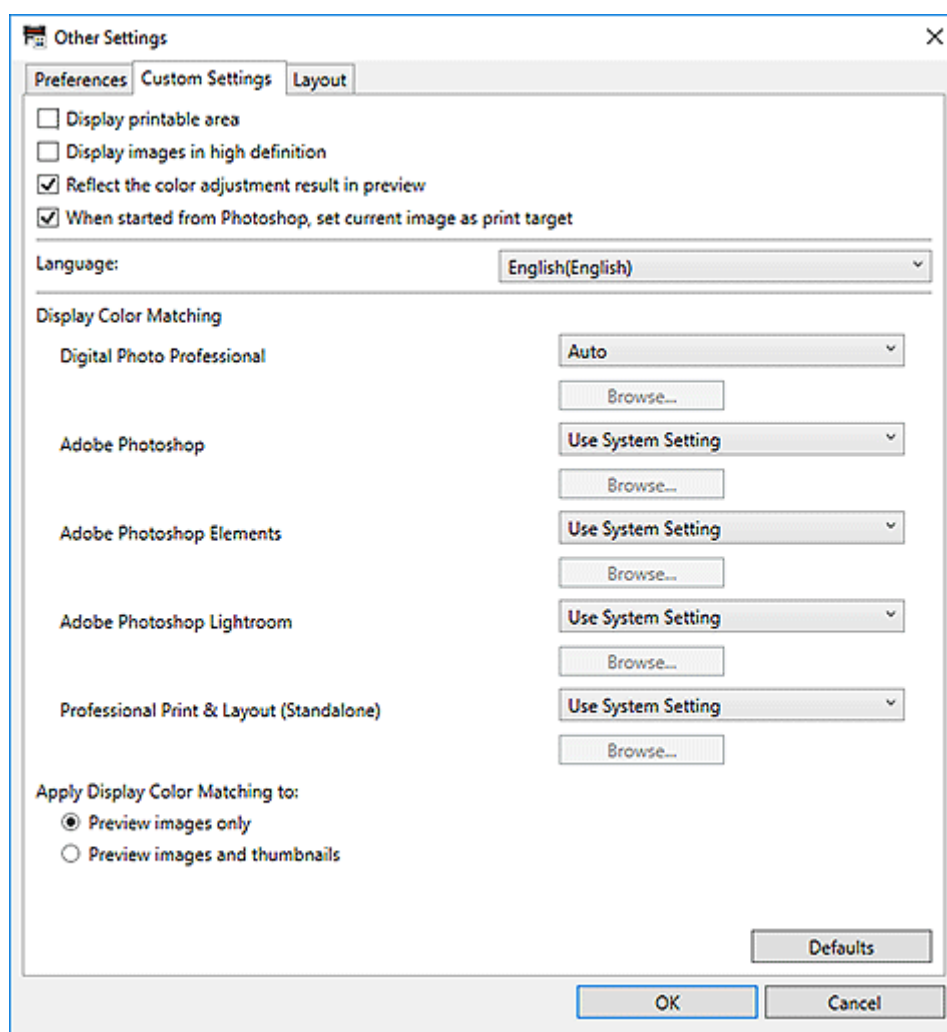
Display all confirmation dialogs

Select this checkbox to unhide any dialog box you have hidden by selecting the **Do not show this again** checkbox.

Defaults

Restores the default state.

Custom Settings Tab



Display printable area

Select this checkbox to display the printable area in the Preview area.

Display images in high definition

Select this checkbox to display images in high quality at higher resolutions when started from Digital Photo Professional.

»»» Note

- When this checkbox is selected, it may take time for the preview to appear depending on your environment.

Reflect the color adjustment result in preview

Select this checkbox to reflect the result of the color tone adjustment in the Preview area.

When started from Photoshop, set current image as print target

Select this checkbox to set only the image being edited as the print target when you start Professional Print & Layout after opening multiple images in Photoshop.

To set all the images opened in Photoshop as the print target, deselect the checkbox.

Language

Select the user interface language.

»»» Note

- If the language is changed, the change will be reflected by restarting Professional Print & Layout.

Display Color Matching

You can set the monitor profile for each application.

Select one of the following profiles according to your monitor.

- **Auto**
- **sRGB**
- **AdobeRGB**
- **Use System Setting**
- **Monitor Profile**

»»» Note

- **Auto** can be selected for **Digital Photo Professional** only. Select **Auto** to set the profile automatically according to the settings of Digital Photo Professional.
- Select **Monitor Profile** to display the **Open** window for selecting the profile to be used. To change the profile to be used, click **Browse...**

Apply Display Color Matching to

Select where to apply the monitor profile.

Preview images only

Applies the monitor profile to the images displayed in preview only.

Preview images and thumbnails

Applies the monitor profile to the images displayed in preview and the Thumbnails area.

Defaults

Restores the settings to the default state.

Layout Tab

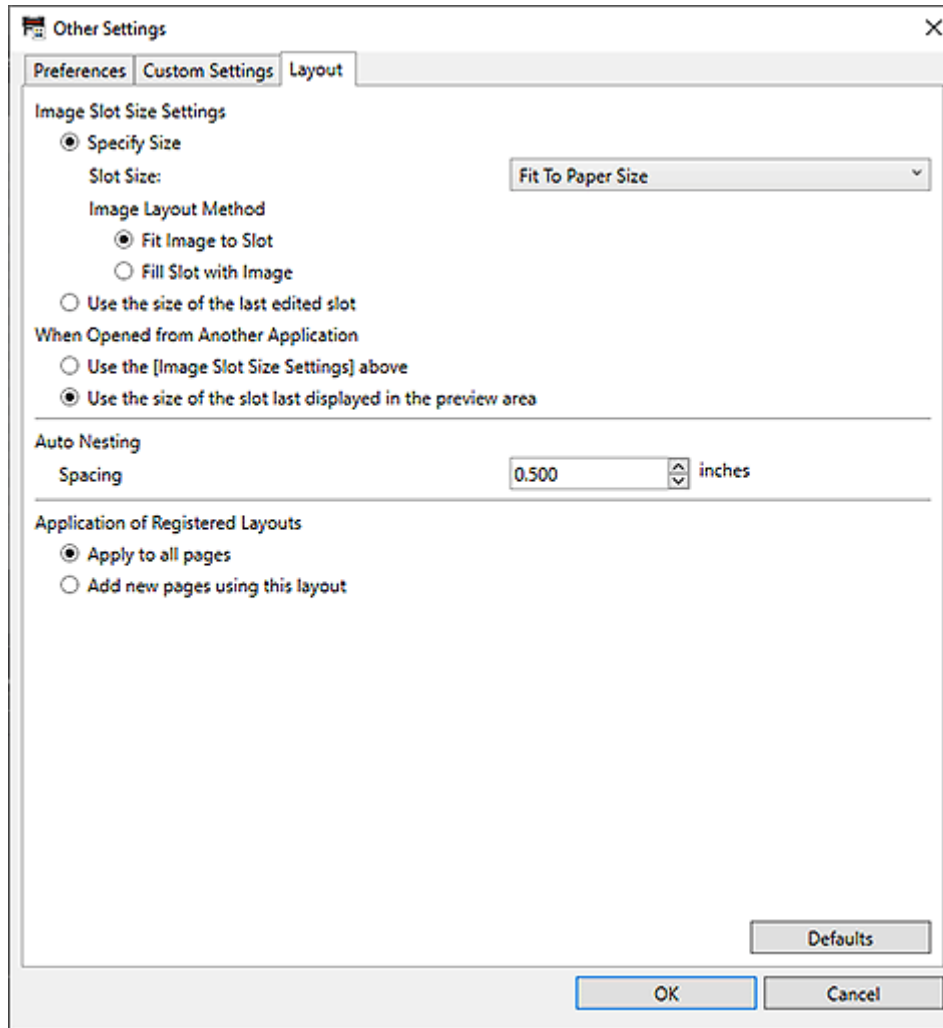


Image Slot Size Settings

Specify Size

Set the size of new slots to be added or the default slot size that applies when changing **Layout Mode** to **Multiple Images (Auto Nesting)**.

Slot Size

Custom paper size/standard size

Applies the size selected from the list.

Image Size

Applies the original image size.

Fit To Paper Size

Applies **Paper Size** in **Print Settings**.

»»» Note

- When **Multiple Images (Auto Nesting)** is set for **Layout Mode**, the slot is set to A4 size.

Fit To Roll Paper Width

Matches the image width with the roll paper width.

Note

- This does not appear depending on your printer.

Fit Image to Slot

Displays the entire image within the slot.

Fill Slot with Image

Displays the image without borders so that there is no gap within the slot.

Use the size of the last edited slot

Automatically obtains and applies the size of the last edited slot.

When Opened from Another Application

Use the [Image Slot Size Settings] above

Image slots will be created according to the **Image Slot Size Settings** even when you start Professional Print & Layout from a supported application.

Select **Use the [Image Slot Size Settings] above** if you want to create image slots in the image size adjusted in the supported application.

Use the size of the slot last displayed in the preview area

When you start Professional Print & Layout from a supported application, image slots will be created in the same size as the image slot that was last displayed in Professional Print & Layout.

Auto Nesting

Spacing

Set the space between slots of automatically arranged images.

Application of Registered Layouts

Set the scope of application of a layout change.

Apply to all pages

The changed layout will be applied to all pages, including the existing pages.

Add new pages using this layout

New pages will be added in the changed layout, without changing the existing pages.

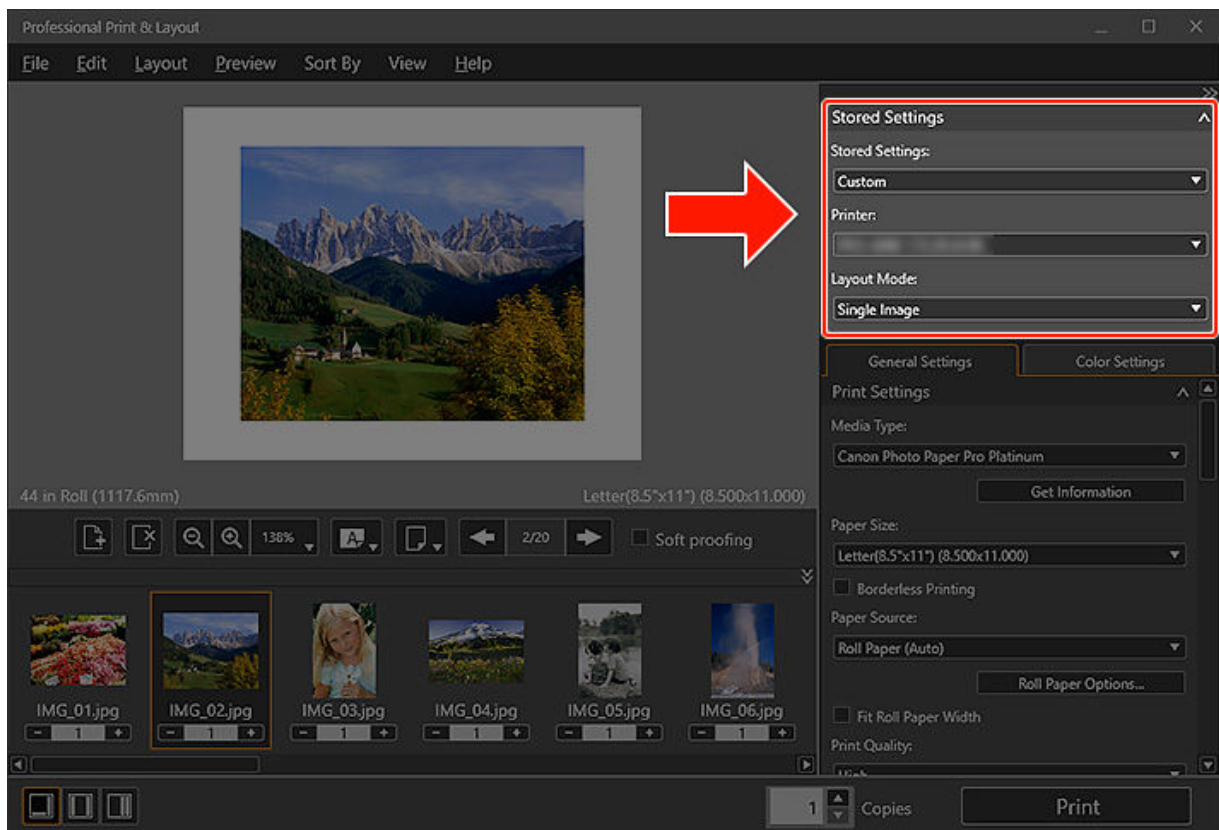
Defaults

Restores the settings to the default state.

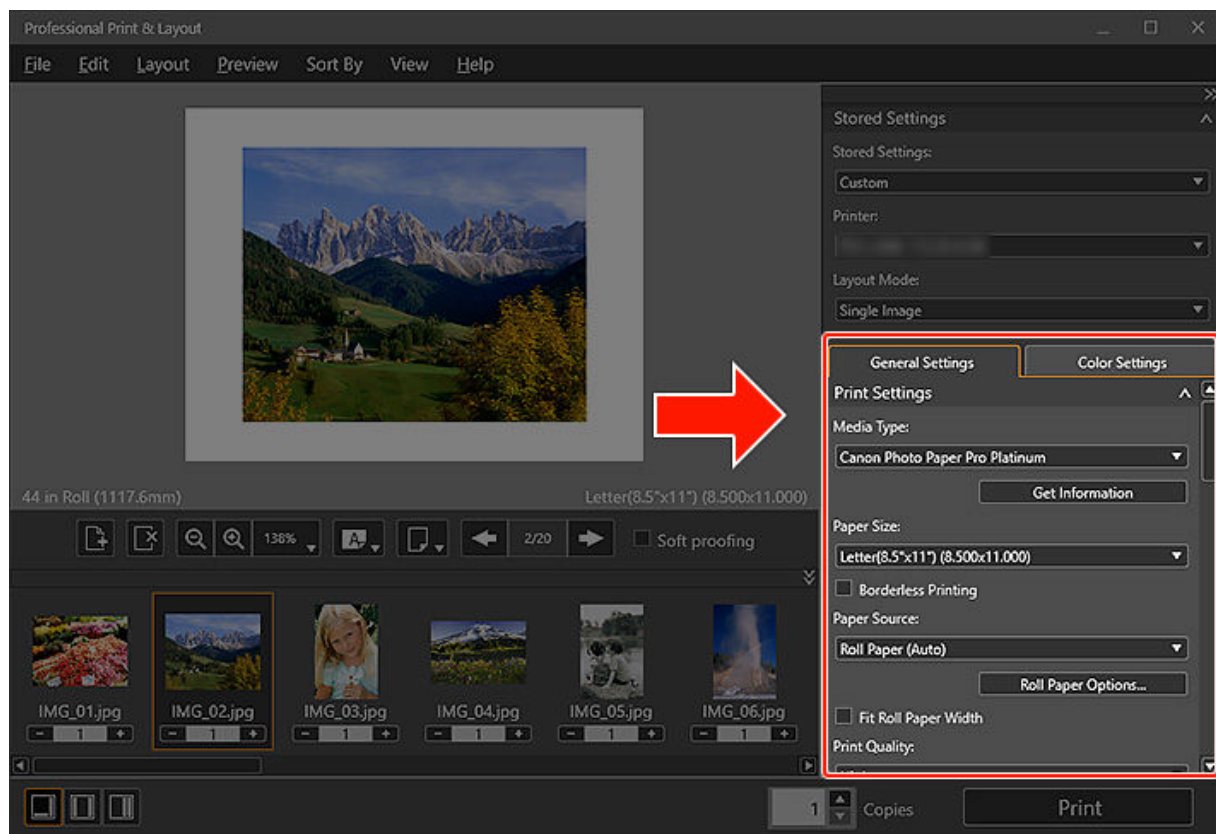
Guide for New Users

Five Steps to Printing

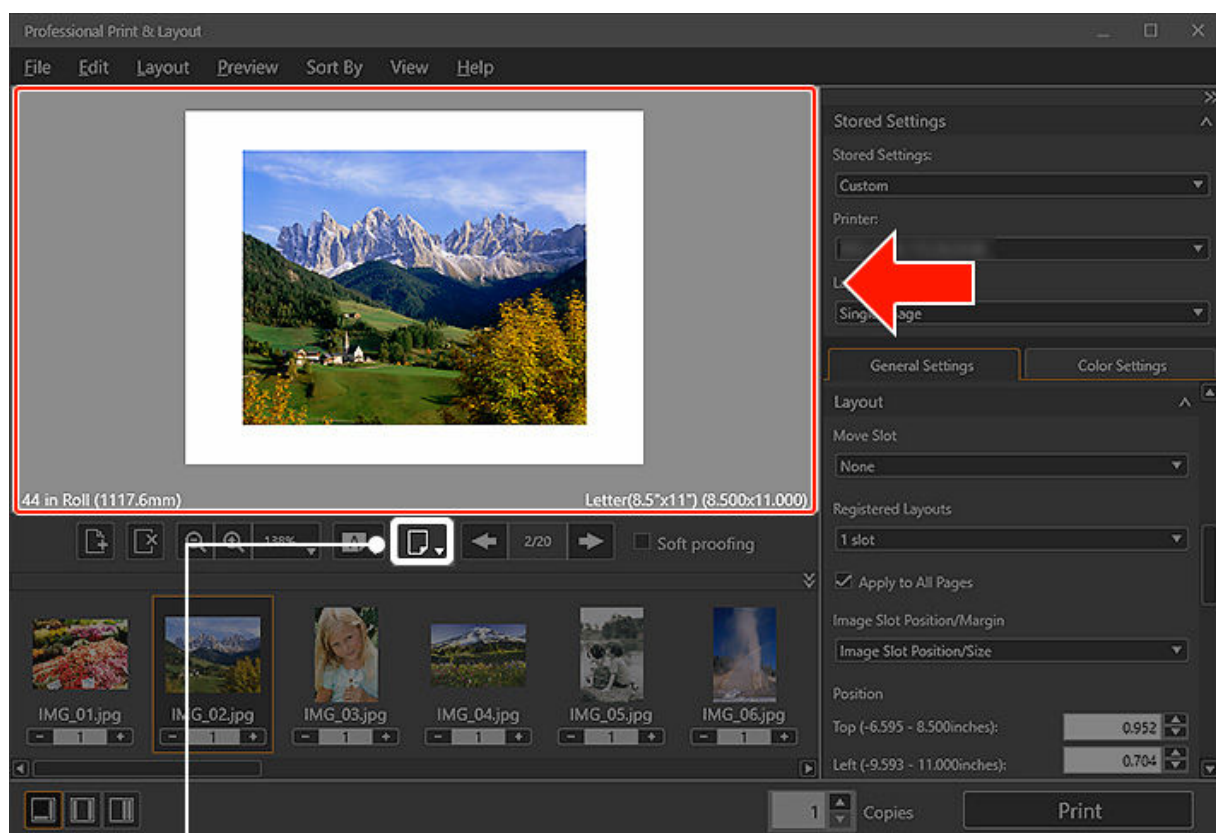
1. Drag and drop the images you want to print to the Preview area.
2. In the **Stored Settings** area, set the printer and **Layout Mode** you want to use, and other settings.



3. On the **General Settings** tab, specify media type, paper size, print quality, and other settings.

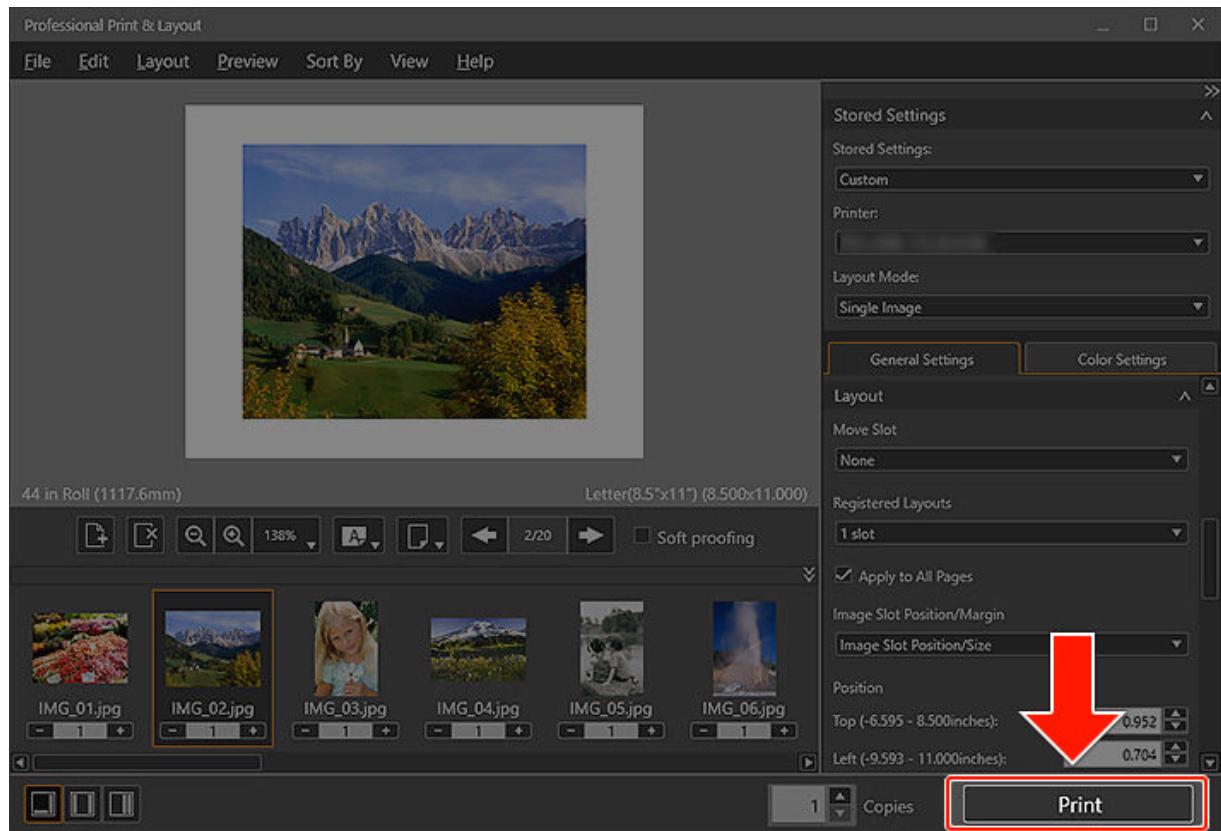


4. Set image layout with mouse or in **Layout**.



Switch preview (only for models supporting roll paper)

5. Click **Print**.



»» Note

- For available options for each setting, see [Professional Print & Layout Screens](#).