



Online Manual

Direct Print Plus 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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LuneScript

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What Is Direct Print Plus?

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Precautions for Use (Direct Print Plus)

The below limitations apply when using Direct Print Plus. Please make sure to read these precautions beforehand.

- Direct Print Plus is compatible with Canon imagePROGRAF Printer Driver V5.00 or later.
- The following version of .NET Framework must be installed.
 - Required: 4.6.0 or later
 - Recommended: 4.7 or later (To optimize the startup speed of this software, use this version.)
- This guide primarily refers to the Windows 10 operating system (hereafter, Windows 10) interface.

Precautions When Installing

- Installation requires administrator privileges.
- Close all applications and software before installing.
- If a document is being printed, terminate the printing process or wait until printing is complete.

Precautions When Using

- Printable file formats are as follows:
 - V1.7-conforming PDF
 - * However, password protection, overprinting, and some functions of transparency are not supported.
 - Rev. 6-conforming TIFF
 - JFIF 1.02-conforming JPEG
 - HP-GL/2
 - * You cannot specify pages to print.
 - * In **Output size**, you can only select **Actual size**.
- Printable document size is the same as the document size that can be used with the printer driver.
 - * Document sizes for raster images (tiff or jpeg) are calculated as follows:
 - "Page size (inch)" = "Pixel size (pixel)" / "Resolution (dpi)"
Raster images with no resolution information will be calculated as 300 dpi resolution.
- When printing via the print server, set **Allow printing when offline** to **On** in **Special Settings** under **Preferences**.
- With data that contains images that reaches the document size limit, if you select **Actual size** in **Output size** on the main screen, all four sides of the image that are outside of the printable range will not be printed.

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Precautions When Using Océ Printers

- Supported Océ printers are listed below.

Océ PlotWave 345

Océ PlotWave 365

Océ PlotWave 3000

Océ PlotWave 3500

Océ ColorWave 500

Océ ColorWave 700

Océ ColorWave 3500

Océ ColorWave 3600

Océ ColorWave 3700

Océ ColorWave 3800

Features of Direct Print Plus

- You can print PDF documents and drawings, JPEG and TIFF images, and HP-GL/2 drawings without opening the corresponding applications.
- You can preview the print image and be warned in advance of errors by retrieving information from the connected printer.
- You can print files without displaying the Direct Print Plus screen by creating a Shortcut print icon, and dropping a file onto the icon.
- You can print multiple files at once, enabling you to efficiently print large volumes of drawings and images.
- You can save frequently used print settings. You can also print with saved settings.
- Printing history is saved for a specified period of time. You can also select jobs to print from the saved print history.

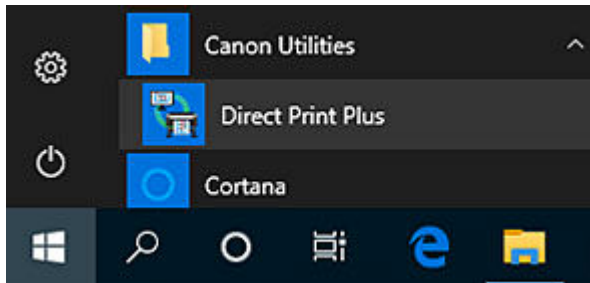
»» Important

- File formats that can be previewed and printed are as follows: JPEG, TIFF, PDF (excluding password-protected PDFs), and HP-GL/2.
- In HP-GL/2 previews, the area where the data exists is displayed with borders and diagonal lines.

Start Direct Print Plus

Perform the following to start Direct Print Plus. The following screenshot is from Windows 10.

From the Taskbar  (Start button), select **Canon Utilities > Direct Print Plus**



Direct Print Plus starts.

»» Note

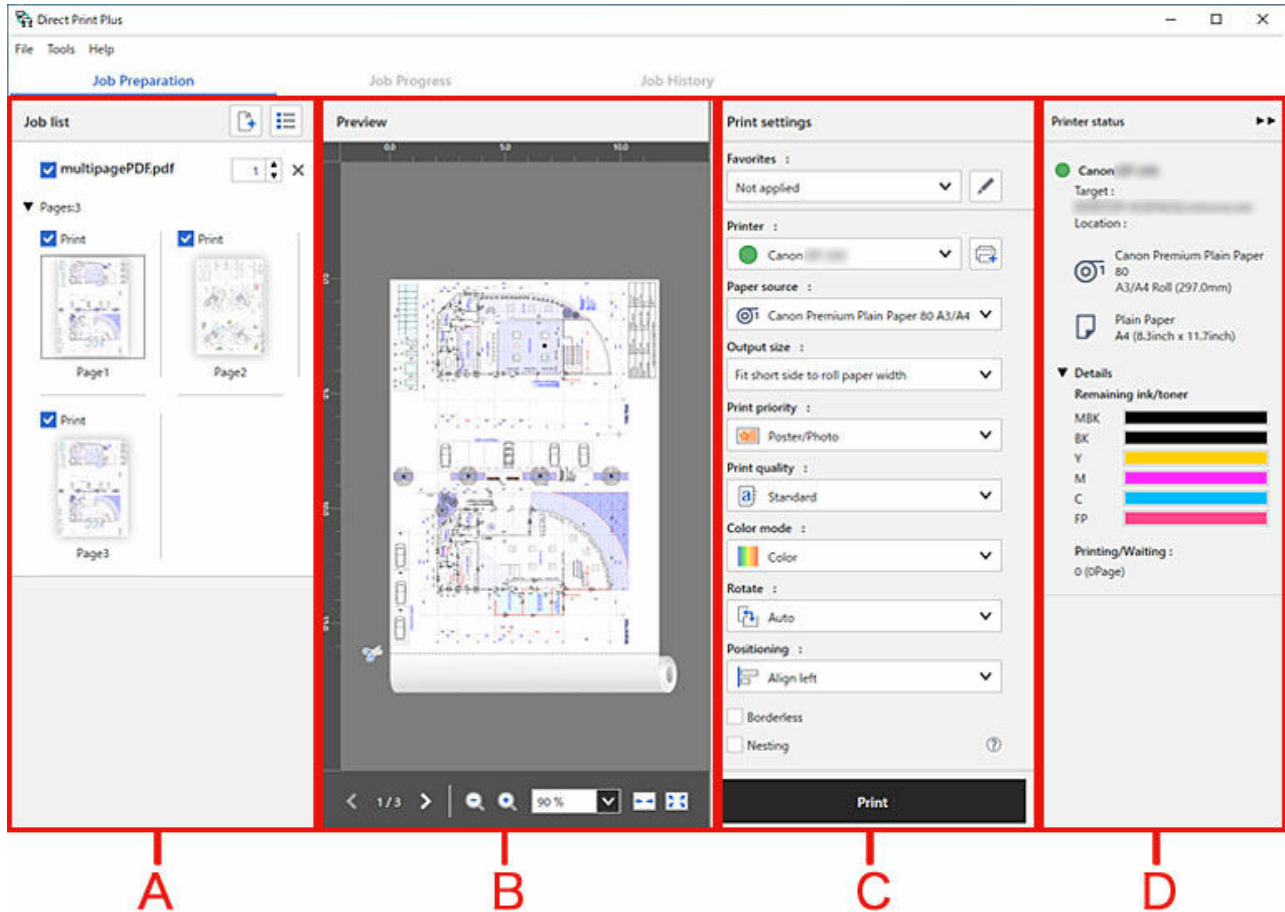
- **Windows 8.1:**

Select **Direct Print Plus** on the Start screen.

If **Direct Print Plus** is not displayed on the Start screen, select the **Search** charm, and then search for "**Direct Print Plus**".

Basic Operations (Home Screen)

The Direct Print Plus home screen can be operated from the left side to the right side to match the workflow, allowing you to print while checking the layout. You can also select the features you need for operation from the menu bar.



A: If you drag and drop to add the files you want to print, thumbnails will be displayed.

B: Check the print preview of the files you selected.

C: Set the media type and image quality.

D: Check the printer status.

Printing Files

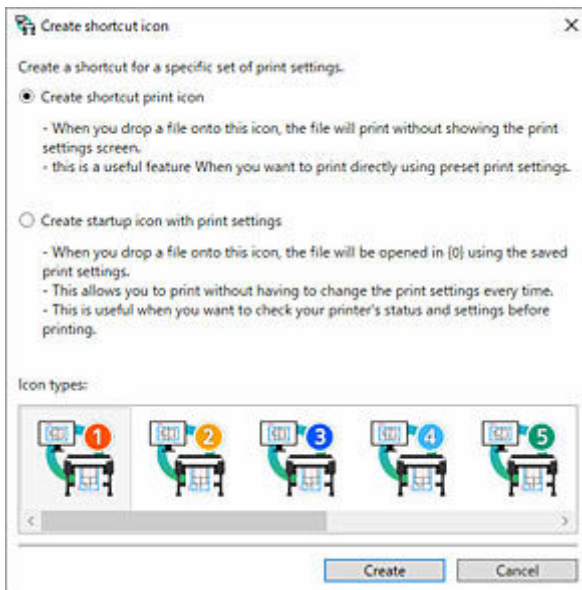
- **Create Shortcut Print Icons**
- **Call Favorites and Print**
- **Print from Print History**
- **Check Print Progress**
- **Print in Reverse Order**
- **Enter PIN Code and Print**
- **Align Efficiently on Paper and Print (Nesting)**
- **Limitations When Printing PDF Files**

Create Shortcut Print Icons

If you drop printing data, you can create icons that can be used for printing.

Follow the procedure below to create Shortcut print icons.

1. Open the home screen
2. Select the printer you want to use to print the file from the **Printer** pulldown menu
3. Configure the required settings in the print settings area
4. Select **Create shortcut icon** from **Tools** in the menu bar

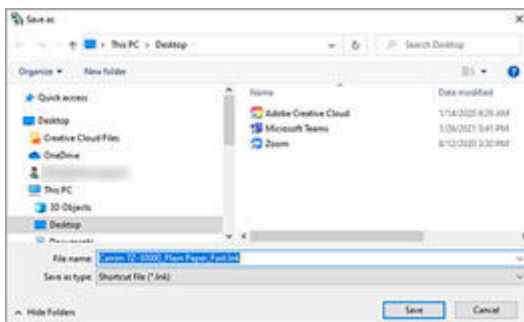


The **Create shortcut icon** dialog box will open.

5. Select the icon type you want to create, and then click **Create**

The **Save as** dialog box will open.

6. Enter the icon name for the icon in **File name**, and then click **Save**



The icon you created will be added to the folder specified in the **Save as** dialog box.

The icon name in the initial state is as follows:

- "friendly name"_"sheet type"_"printing quality"

If the file format is HP-GL/2, "sheet type" will be "GL2" instead of the sheet type.

»» Important

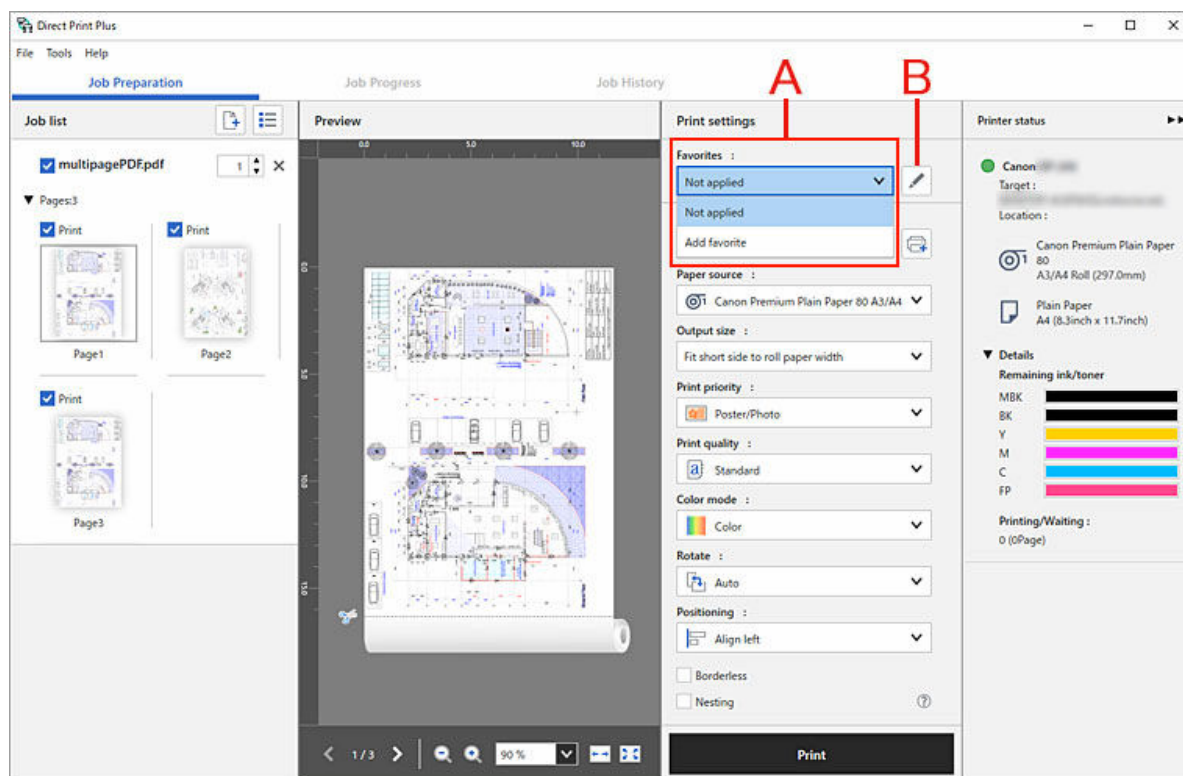
- Do not change the friendly name of the printer used in Shortcut Print.

Call Favorites and Print

You can save the current settings of Direct Print Plus, or replicate saved settings for the current settings.

Save Frequently Used Settings to Favorites

1. Configure the required settings in **Print settings** from the home screen
2. Select **Add favorite** in (A)



Add/edit favorites dialog box will be displayed.

3. Enter the name of the settings you want to save in **Favorite name**
4. Click **OK**

The current settings will be saved as the specified name.

Edit **Favorites** in (B).

►►► Note

- The setting items that can be saved are **Printer/Paper settings/Print settings**.
- Files that are in TIFF/JPEG/PDF formats, and HP-GL/2 format files have different saved items for frequently used settings. Therefore, if you are printing in a file format that is different from when you saved it, you cannot replicate frequently used settings.
- Depending on the printer you are using, the item differs from when you saved it, so the settings content cannot be replicated.

Call Favorites and Print

1. Select the settings you want to call in (A)

The specified settings will be replicated on the home screen.

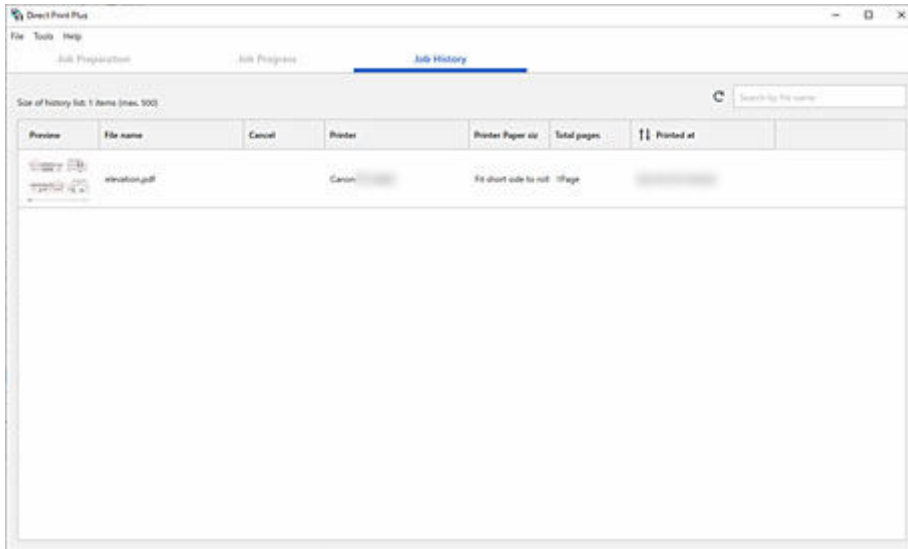
2. Click **Print**

Printing will start.

Print from Print History

You can browse through your print history and print the same file with the same settings.

1. Select **Job History**



2. Right-click on the history item you want to print, and select **Add to the job list**

The print history item will be added to the job list to be printed.

»» Note

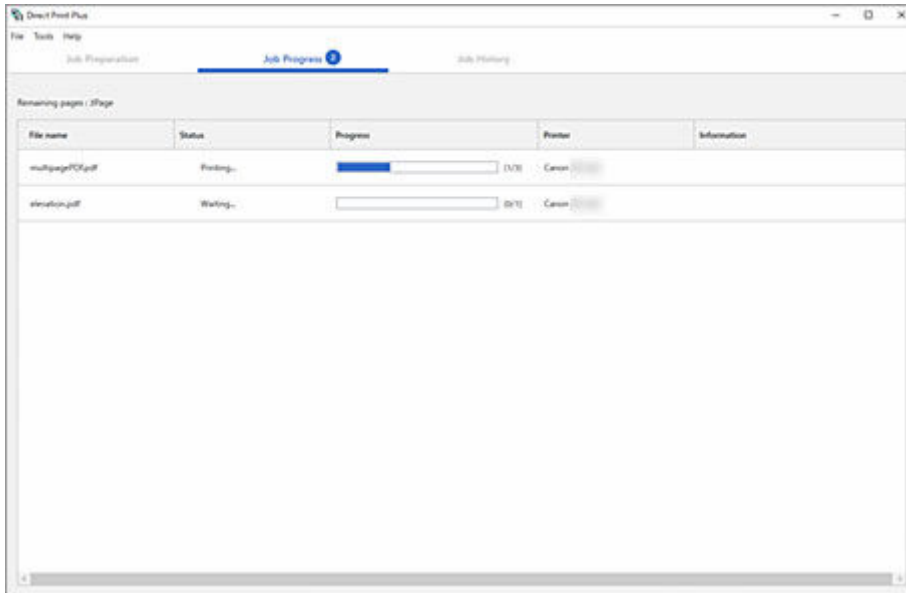
- On the menu that is displayed by right-clicking, you can add items to **Favorites**, delete items, and perform other actions.

Check Print Progress

If you run out of paper or experience other issues, you can check remotely.

1. Select Job Progress

Progress will be displayed for each print job.



If errors or warnings are displayed, take actions according to the displayed messages.

▶▶▶ Note

- You can select **Cancel** from the menu displayed by right-clicking to stop printing.

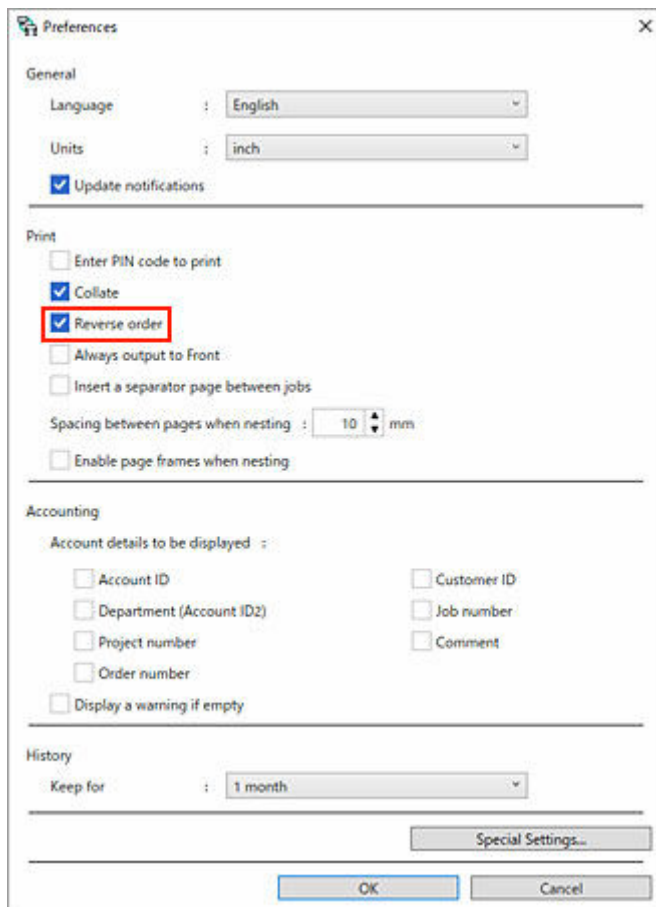
Print in Reverse Order

If you select the paper output position with the printed side facing up, the first page will be placed at the bottom and the order of the pages will be reversed. If you select **Reverse order**, sorting pages will be unnecessary.

1. Select **Preferences** under **Tools** in the menu bar

Preferences dialog box will open.

2. Add a check mark to **Reverse order**



3. Click **OK**

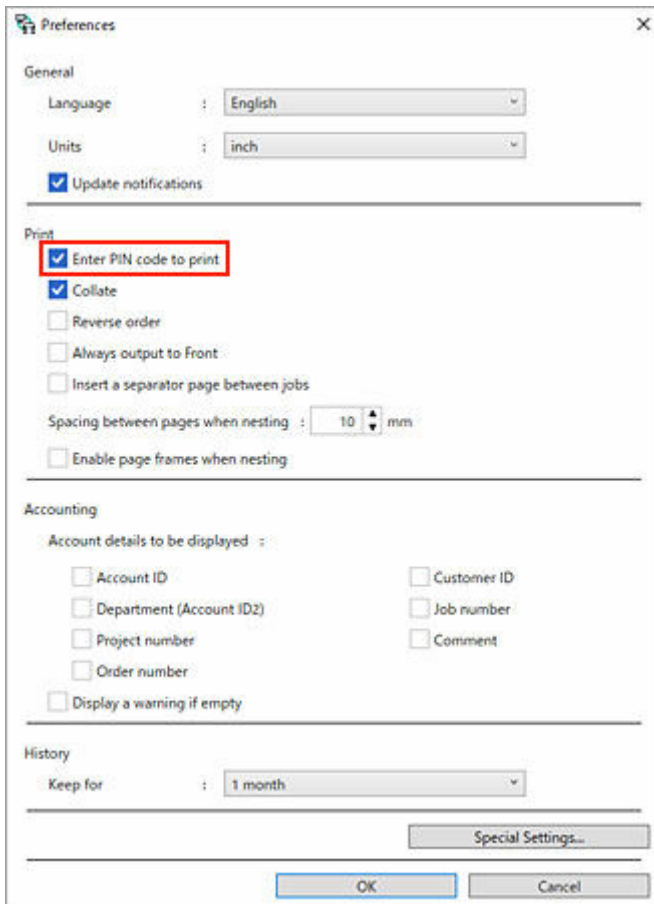
Enter PIN Code and Print

Print after entering the PIN code on the printer operation panel. This can prevent mix-ups of printed materials.

1. Select **Preferences** under **Tools** in the menu bar

Preferences dialog box will open.

2. Add a check mark to **Enter PIN code to print**



3. Click **OK**

4. Select **Print** on the home screen

A screen for entering the PIN code will be displayed. You can set up to 7 digits.

5. Enter the PIN code, and then select **Continue**

Printing will start after entering the configured PIN code on the printer operation panel.

Align Efficiently on Paper and Print (Nesting)

Print multiple charts and other data by aligning them efficiently.



1. Add a checkmark to **Nesting** in **Print settings** on the home screen (Refer to "[Basic Operations \(Home Screen\)](#)")

The selected files will automatically undergo the layout process.

2. Configure settings and print

▶▶ Note

- Nesting can be performed when there are multiple pages in a single file.
- To configure settings between files, enter a number for **Spacing between pages when nesting** in **Preferences**.
- If you want to add page borders when nesting, add a checkmark to **Enable page frames when nesting** in **Preferences**.

Limitations When Printing PDF Files

These are limitations that apply when using Direct Print Plus to print PDF files that contain the below image processing.

Caution is needed when using Direct Print Plus to print PDF files created with Adobe Illustrator and other applications for graphical purposes.

- Transparency processing

In some cases, transparency may not be processed as intended.

- Drop shadows

In some cases, drop shadow effects (shadow effects applied to text, shapes, etc.) applied to objects placed on rectangles with transparency processing may not be processed correctly.

- Overprinting

The overlaying parts of images will not be printed as intended.

- PDF with security settings

Cannot be printed.

- 16-bit data or JPEG 2000 image data with transparency settings

Images cannot be printed.

- PostScript data

Images cannot be printed.

- Halftone

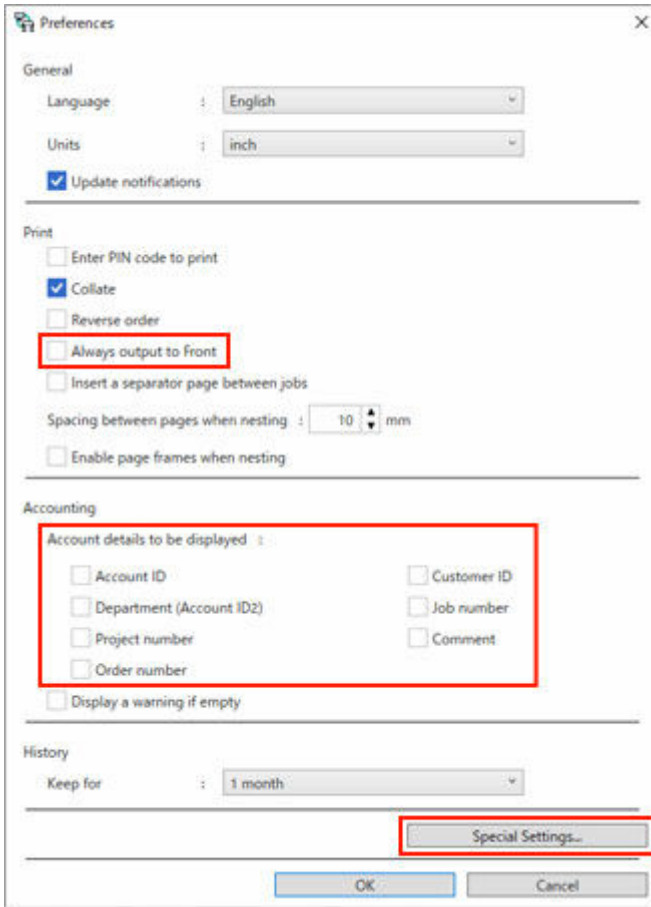
Cannot be printed.

- Data with comments added

Images cannot be printed if there is no data for displaying comments.

Others (Preferences)

Useful features for preference are explained here.



Always output to Front

If you add a checkmark to this item, Canon printers with multiple paper output positions can be set to always output from the front.

Accounting

If you add a checkmark to this item, a text box will appear in the **Print settings** screen, where you can enter requirements.

Special Settings

If you set **Use MediaBox area as PDF page size** to **On**, PDF files will be printed with the trimmed areas included.

Troubleshooting

Shortcut Prints do not get printed in order

Your files may not print in the order you selected due to OS specifications.

If you want to print files in order, drop the files one by one and print.

I want to continue using the Shortcut print icon even after buying a new printer

If the new printer you purchase is the same model, you can continue using the Shortcut print icon as long as you don't change the friendly name you are using.

I want to confirm the results of Shortcut Prints

Shortcut Print results are exported to report files.

Report files are created in "\Canon\imagePROGRAF Direct Print Plus\Shortcut Print\Reports" of **Documents** or **My Documents**.

The report file name is "report output date and time (yyyymmddhhmmss)}_{print document file name.extension}.log".

The top, bottom, left, and right edges of the images are not being printed

Output size on the home screen is set to **Actual size**, **Half size**, or **25% - 250%**. Change it to a setting other than these.