

QUICK COLOR MATCH

Ver. 2.1

User's Manual

Important

Please read this User's Manual carefully to familiarize yourself with safe and effective usage.

The latest software and User's Manual are available for download from our web site:

www.eizoglobal.com



No part of this manual may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, or otherwise, without the prior written permission of EIZO Corporation.

EIZO Corporation is under no obligation to hold any submitted material or information confidential unless prior arrangements are made pursuant to EIZO Corporation's receipt of said information. Although every effort has been made to ensure that this manual provides up-to-date information, please note that specifications are subject to change without notice.

Contents

1	Introduction	4
1-1	Features of Quick Color Match	4
2	Using Quick Color Match	5
2-1	Installing Quick Color Match	6
	To download and install the software from our web site	6
2-2	Setting Up Peripherals	8
2-3	Installing the Printer Driver	10
2-4	Installing Print Assistant Software	25
2-5	Basic Operations of Quick Color Match	35
	Using Photoshop mode	35
	When not using Photoshop mode	43
2-6	Quick Color Match Screen	62
2-7	Preferences and Information Display Features of Quick Color Match	64
2-8	Manual Adjustment Function	67
2-9	Calibration Function	72
2-10	Adding and Removing Media	77
3	Troubleshooting	79
3-1	Uninstalling Quick Color Match	80
3-2	Quick Color Match Cannot be Installed	81
3-3	Photoshop Cannot be Properly Configured from Quick Color Match	81
3-4	Using Retouching Software Other Than Photoshop	81
3-5	The print assistant software that should have been installed cannot be set from the retouching software.	81
3-6	Colors Do Not Match	82
	Brightness does not match between the monitor and paper	82
	The color temperature of the monitor does not match the paper color	85
3-7	An Error Message Appears When Quick Color Match Starts	88
3-8	An Error Message Appears While Quick Color Match is Running	95
4	Reference	100
4-1	What is Color Matching?	101
4-2	Functions of Retouching Software	102
4-3	Calibration of the Monitor	103
5	Glossary	104
	Operating Environment for Quick Color Match	105
	Trademark	106
	License	106

1-1 Features of Quick Color Match

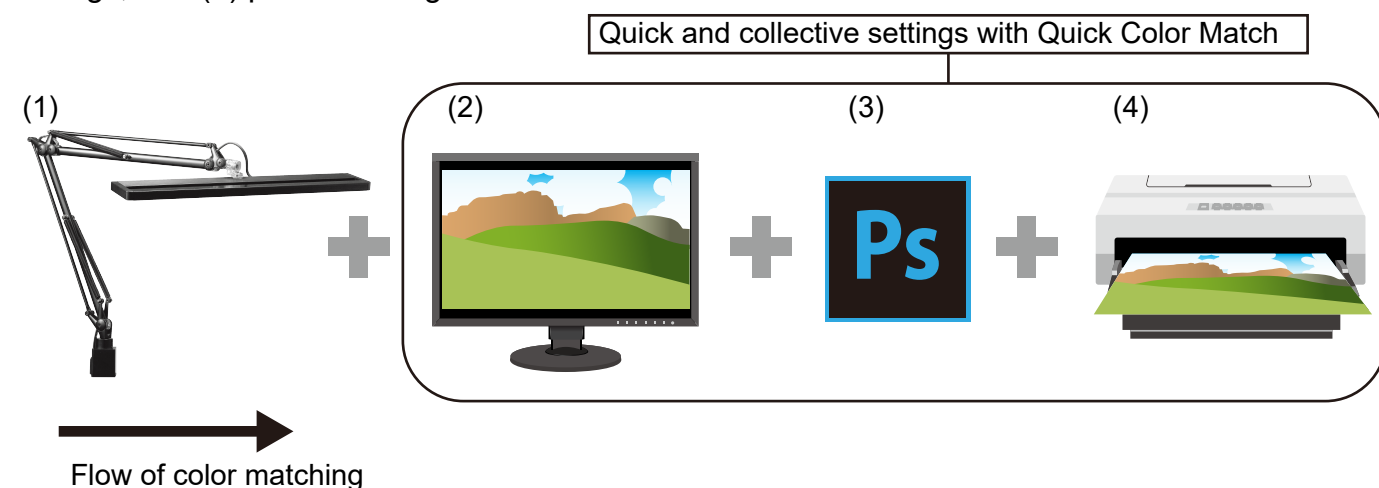


See Also

▶▶ "2-1 Installing Quick Color Match" on page 6

Quick Color Match is a software program used to quickly perform color matching between the monitor screen and photo printing. Quick Color Match enables users to configure the settings of compatible ColorEdge monitors, printers, and retouching software at the same time using a simple operation. Quick Color Match will be suitable for anyone who wants to readily enjoy photo printing.

To match colors between the monitor and printed photos, you must prepare an adequate light source, and configure settings of peripherals and retouching software correctly. Quick Color Match enables you to collectively perform the following (2) monitor adjustment, (3) retouching software settings, and (4) printer settings.



(1) Arranging ambient light

To minimize the impact of ambient lights, you must block sunlight and other external lights. Arrange an adequate lighting environment to check the colors of printed matter. For room lighting, use a high color rendering light equivalent to 5000 K of color temperature.

(2) Monitor adjustment

Set the brightness and color temperature of the monitor to a level suitable for photo printing.

(3) Retouching software settings

Using retouching software supporting color management (such as Adobe® Photoshop®), configure the settings so that colors between printed photos and the monitor screen may match.

* Adobe Photoshop is hereafter referred to as "Photoshop".

* Adobe Photoshop Lightroom® is hereafter referred to as "Lightroom".

(4) Printer settings

Configure the printer settings so that photos are printed in colors corresponding to the retouching software settings.

Using Quick Color Match

This chapter describes preparation required for using Quick Color Match, basic operations, and various settings.

2-1	Installing Quick Color Match	6
	To download and install the software from our web site	6
2-2	Setting Up Peripherals	8
2-3	Installing the Printer Driver	10
2-4	Installing Print Assistant Software	25
2-5	Basic Operations of Quick Color Match	35
	Using Photoshop mode.....	35
	When not using Photoshop mode.....	43
2-6	Quick Color Match Screen	62
2-7	Preferences and Information Display	
	Features of Quick Color Match	64
2-8	Manual Adjustment Function	67
2-9	Calibration Function.....	72
2-10	Adding and Removing Media	77

2-1 Installing Quick Color Match

To download and install the software from our web site

Windows

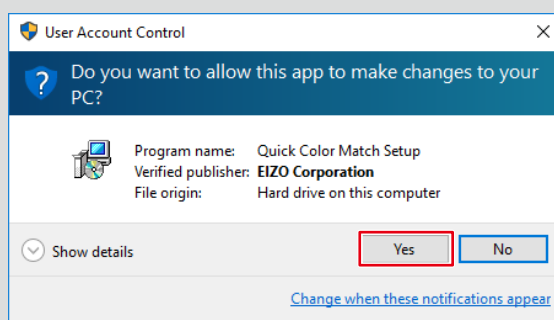
1. Double-click downloaded file "QCMxxx_Setup.exe".

Here, "xxx" is a software version number (e.g., 100).

The installer starts up.



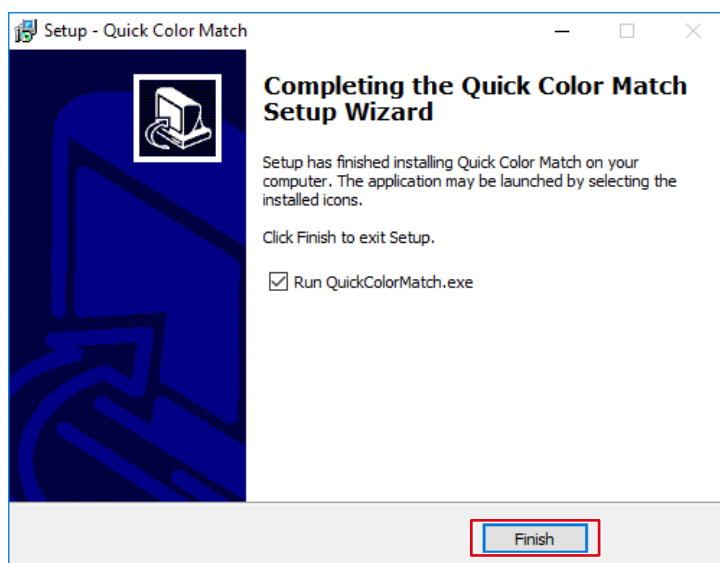
- If the "User Account Control" dialog box appears, click "Yes".



- If the password entry window appears, enter the administrator password.
- If the window for selecting a user account appears, select a user for which an administrator account or "Administrator" is displayed.

2. Follow the instructions on the screen to install the software.

3. Click "Finish".



Installation is complete.

Mac

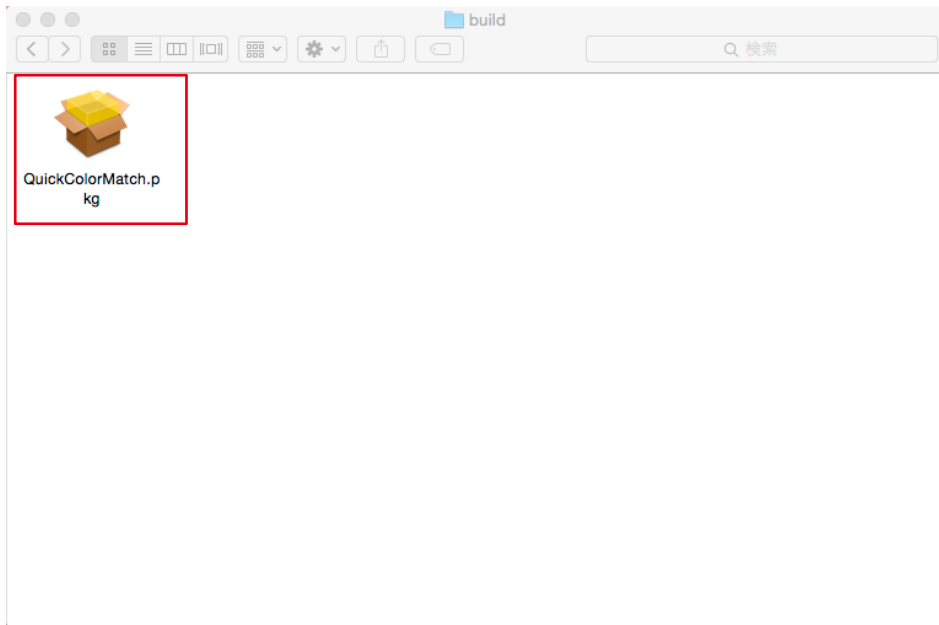
1. Double-click downloaded file "QCMxxx.dmg".

Here, "xxx" is a software version number (e.g., 100).

The "QCMxxx" icon is placed on the desktop.

2. Double-click the "QCMxxx" icon.

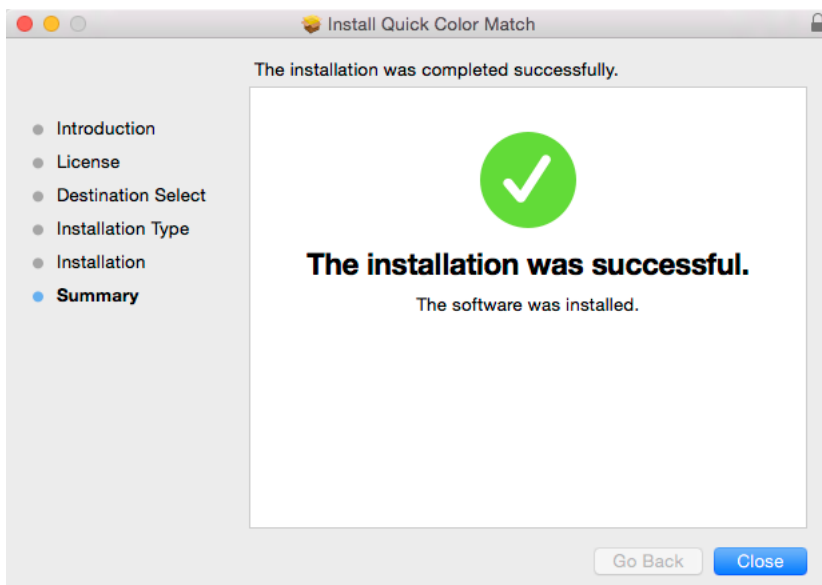
3. Double-click the "QuickColorMatch.pkg" icon.



The installer starts up.

4. Follow the instructions on the screen to install the software.

5. Click "Close".



Installation is complete.

2-2 Setting Up Peripherals



See Also

▶▶ ["Operating Environment for Quick Color Match" on page 105](#)

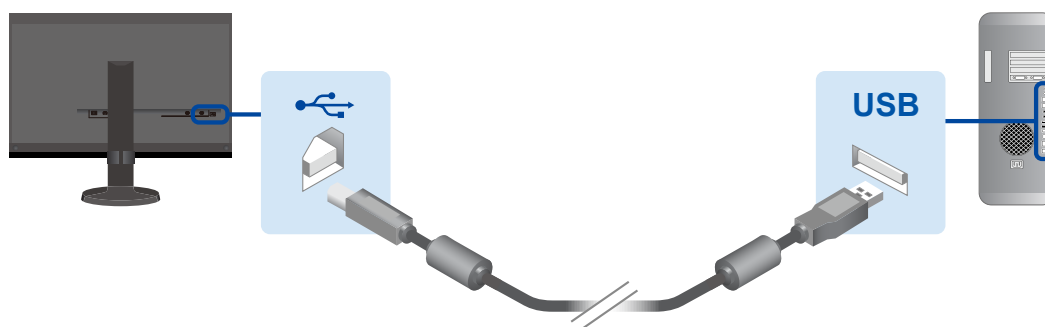


1. Arrange ambient light.

In the room used to view printed photos, you must block external lights and use high color rendering lighting equivalent to 5000 K, which is the reference color temperature for printing. In an environment where you cannot install high color rendering lighting, it is recommended that a desk light is installed. You do not need to shine light directly at the monitor.

2. Connect the monitor to the PC.

Connect the USB upstream port on the monitor to the USB downstream port on the PC using a USB cable.



A USB cable connection is not necessary when connected via USB Type-C.
For more information, refer to the monitor Setup Guide.

3. Install the printer driver and print assistant software (Canon Print Studio Pro or Epson Print Layout).

For the installation procedure, refer to the following pages:

- [“2-3 Installing the Printer Driver” on page 10](#)
- [“2-4 Installing Print Assistant Software” on page 25](#)

4. Connect the printer to the PC.

For the connection procedure, refer to the printer User's Manual.

2-3 Installing the Printer Driver

If you have not yet installed the printer driver, follow the procedure described below to install the driver.

* Operations vary depending on the printer being used.



Make sure that your PC is connected to the Internet.

- If using a Canon printer ►► [page 10](#)
- If using an Epson printer ►► [page 18](#)

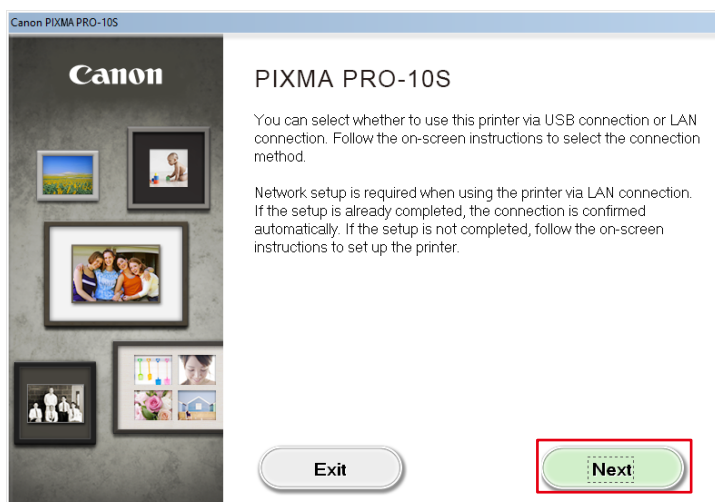
If using a Canon printer

Windows

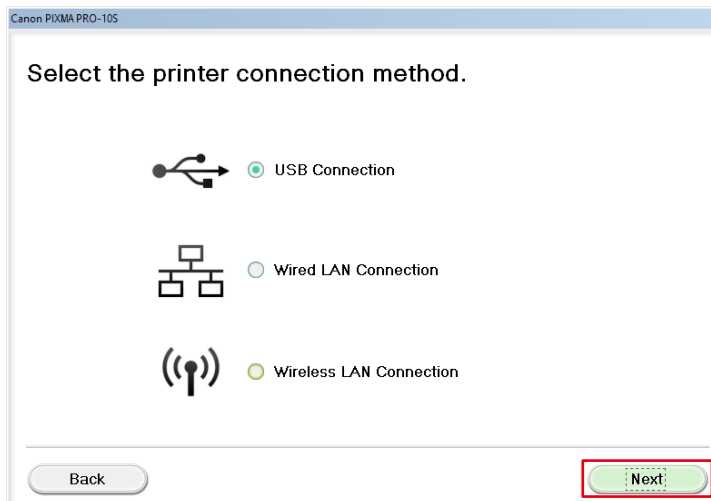
1. Insert the disk attached to the printer into the DVD drive.
2. When auto play starts, click "Run XXXXXXXX.exe" (e.g., Msetup4.exe).

If auto play does not start even when you have inserted the disk, double-click the DVD drive in the Explorer, then double-click "XXXXXXX.exe" (e.g., Msetup4.exe).

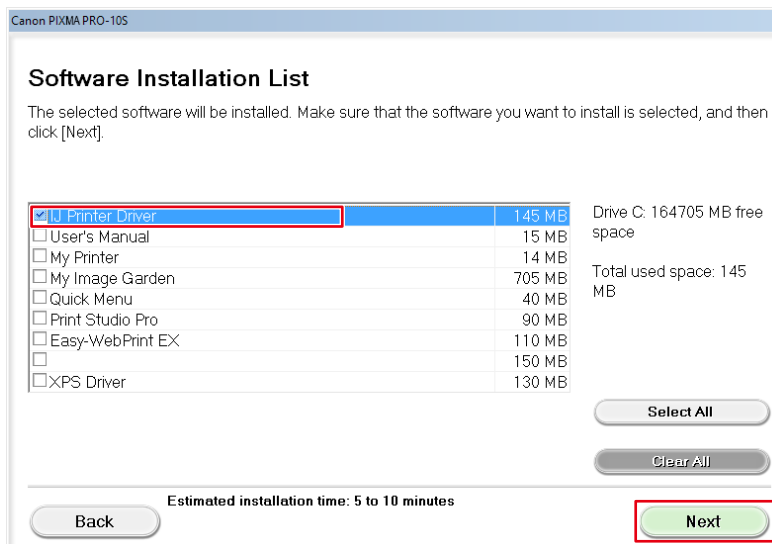
3. When the next window appears, click "Next".

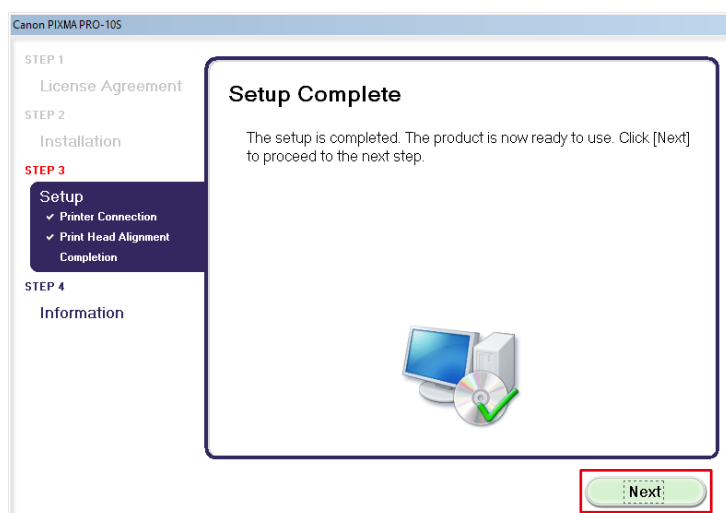
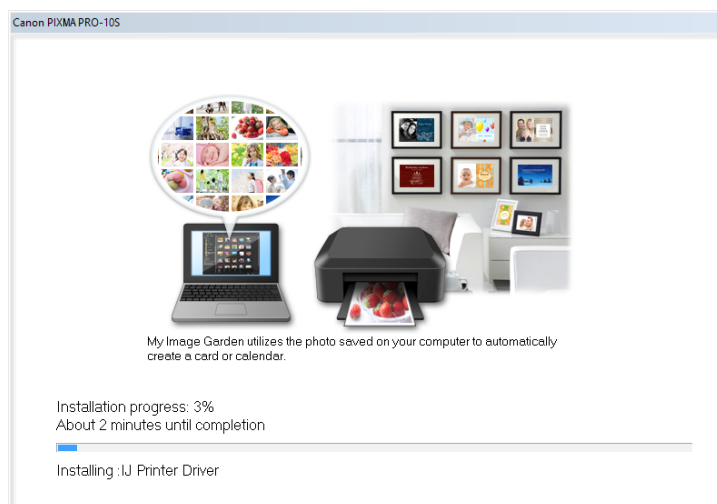
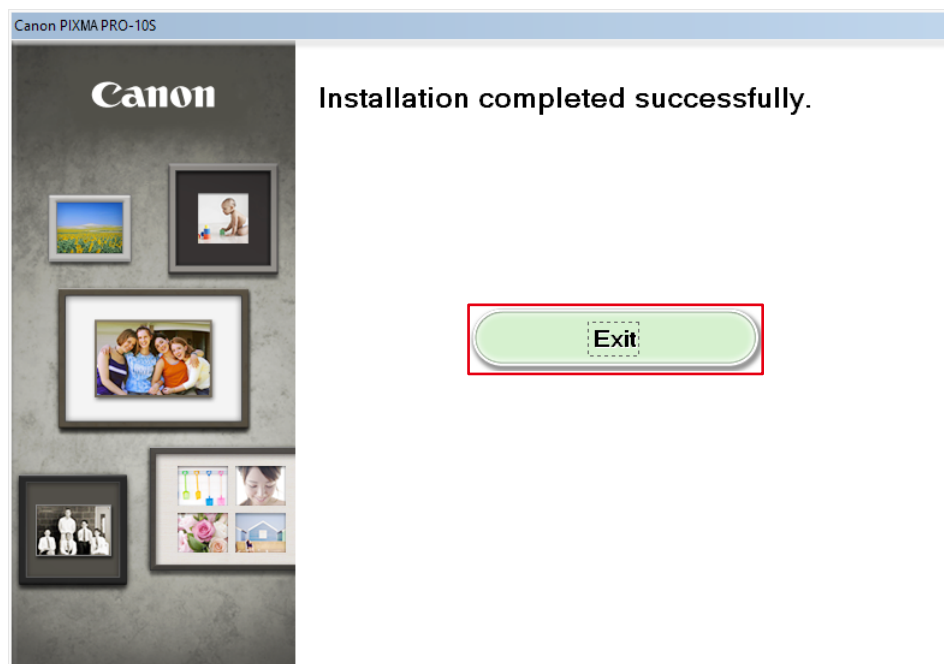


4. Select the connection method of the printer (USB, Wired LAN, or Wireless LAN), and click "Next".



5. In the window for selecting software to be installed, select the "IJ Printer Driver" check box and click "Next".

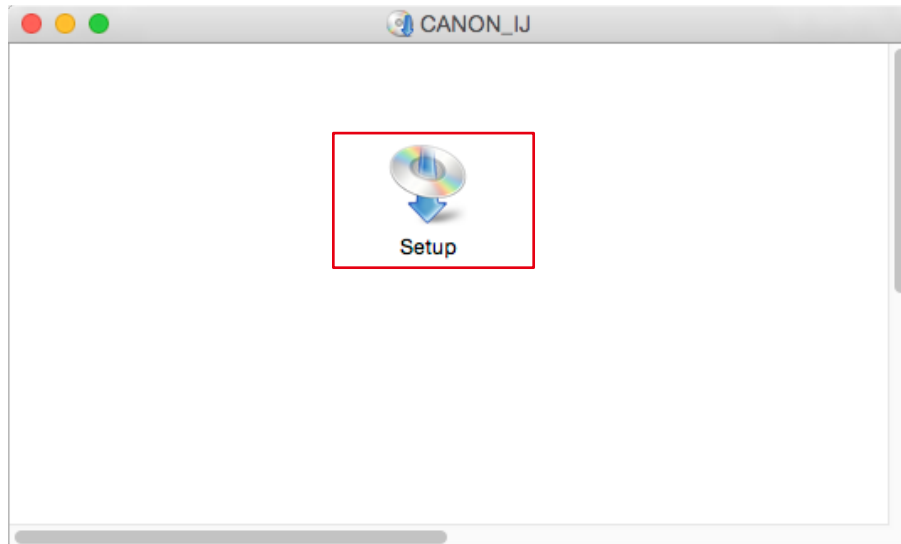


6. In the windows that subsequently appear, always click "Yes" then "Next".**7. Click "Exit".**

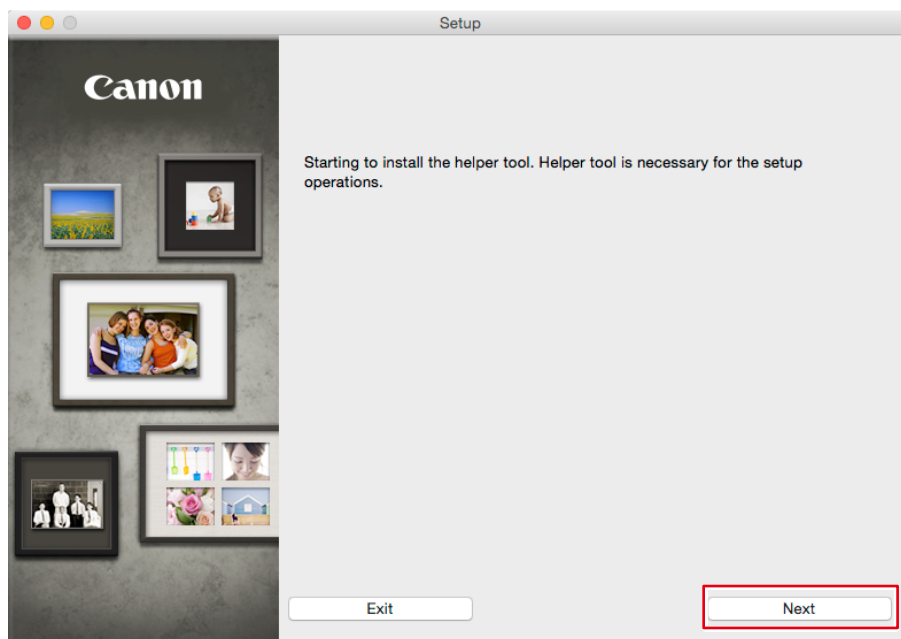
Installation is complete.

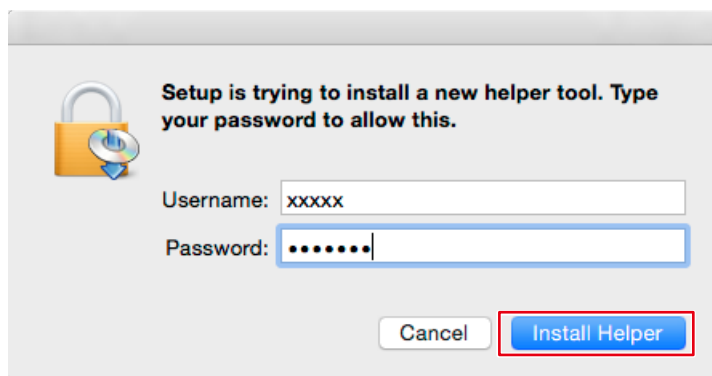
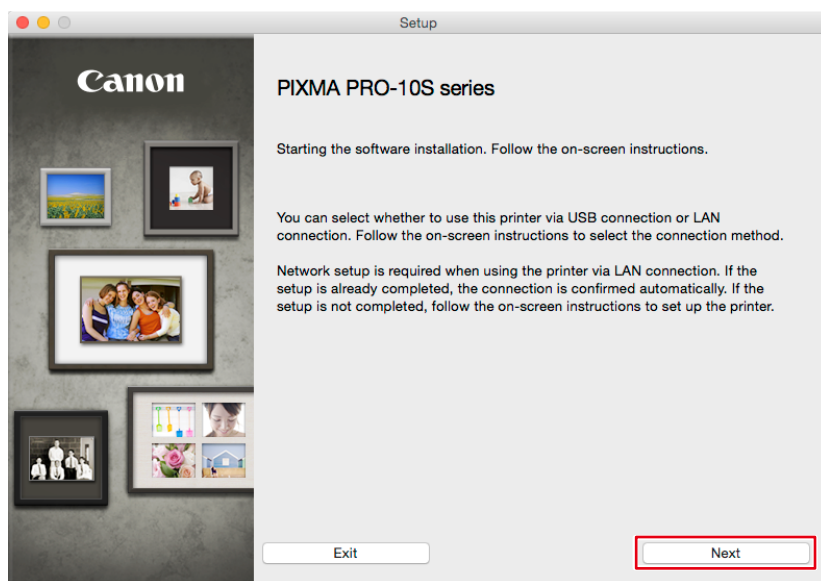
Mac

1. From the Canon web site, download the driver that is appropriate for the printer and operating system you are using.
2. Double-click the downloaded dmg file.
3. Double-click the "Setup" icon.

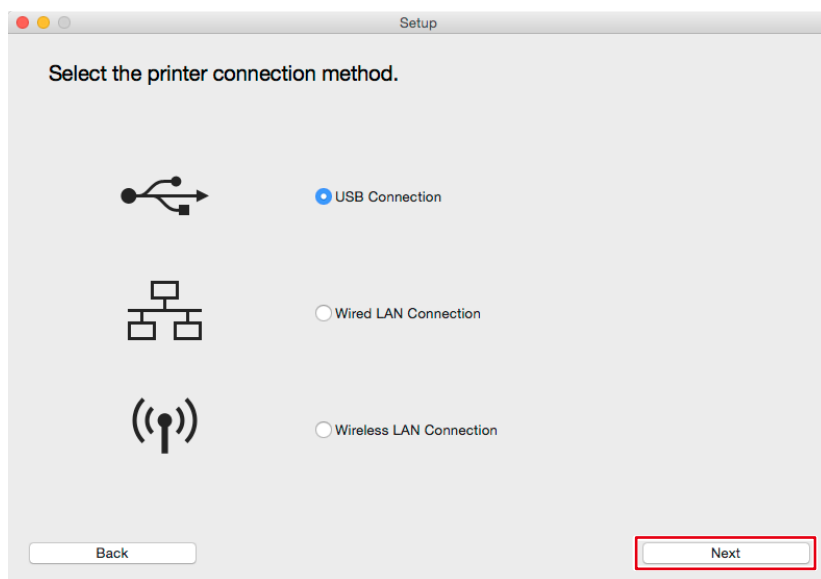


4. When the following window appears, click "Next".

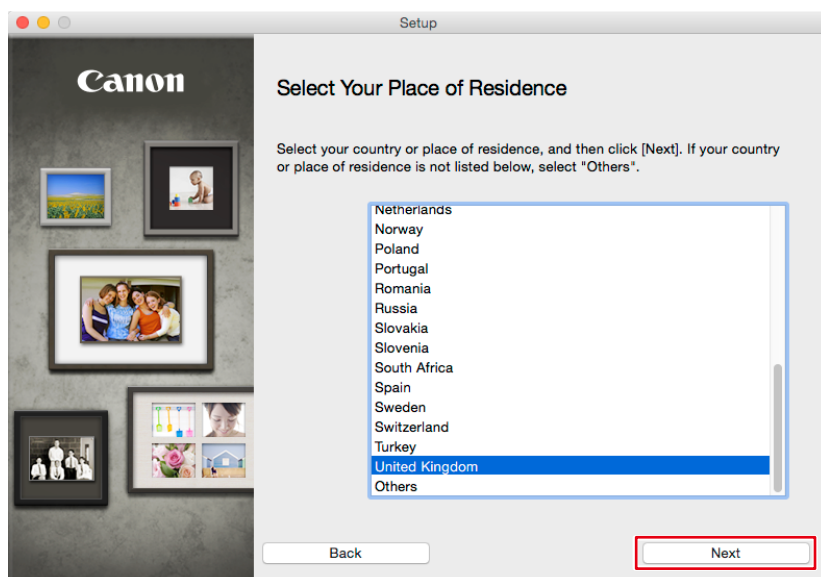
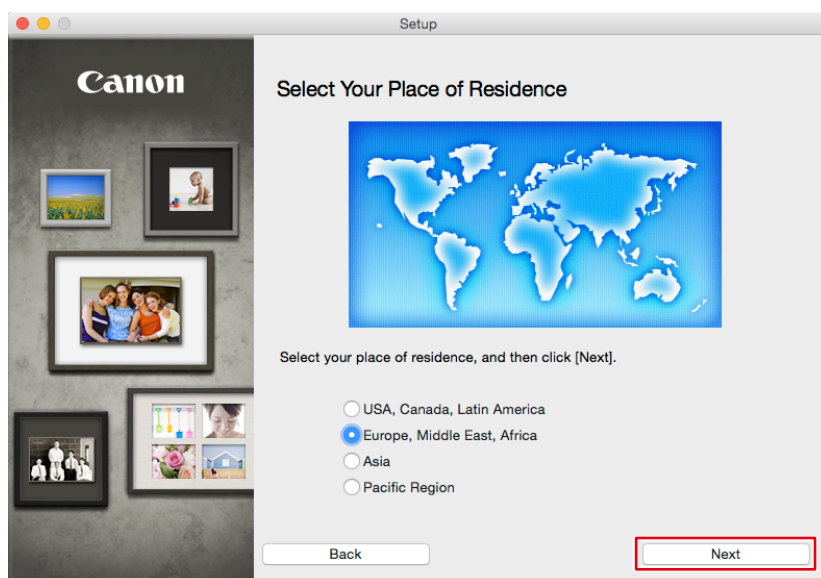


5. Enter the Username and Password of the PC administrator, and click "Install Helper".**6. Click "Next".**

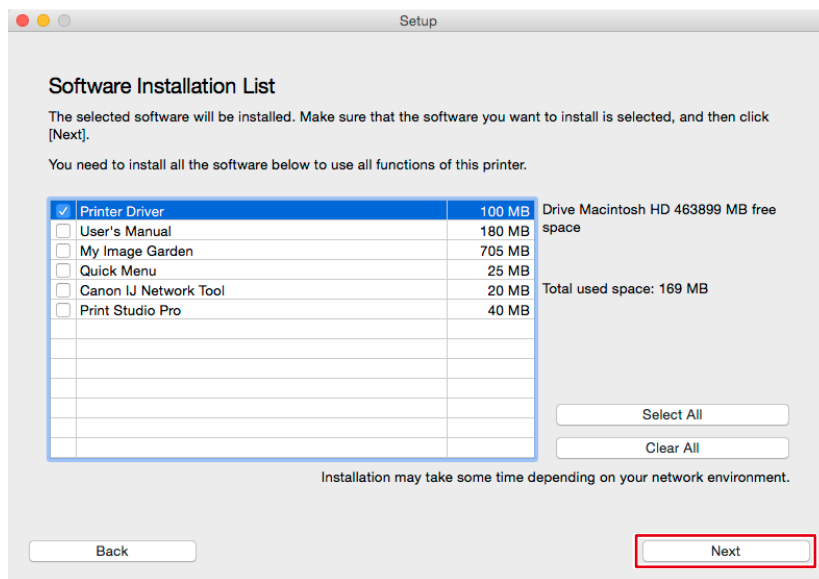
7. Select the connection method of the printer (USB, Wired LAN, or Wireless LAN), and click “Next”.



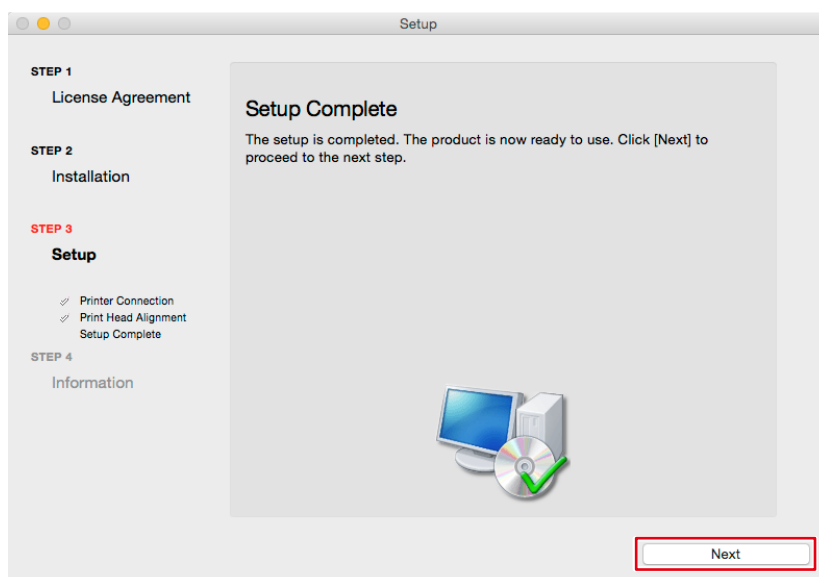
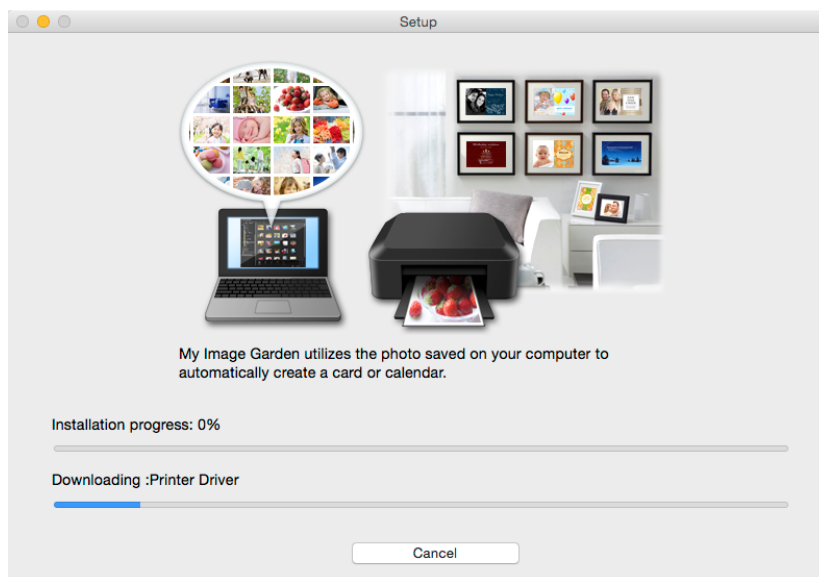
8. Select your region and country, then click “Next”.



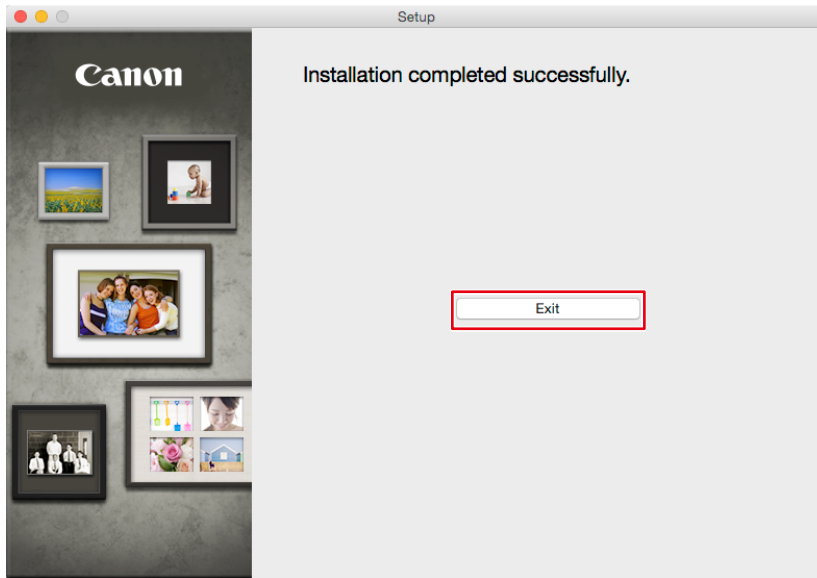
9. In the window for selecting software to be installed, select the “Printer Driver” check box then click “Next”.



10. In the windows that subsequently appear, always click “Yes” then “Next”.



11. Click "Exit".



Installation is complete.

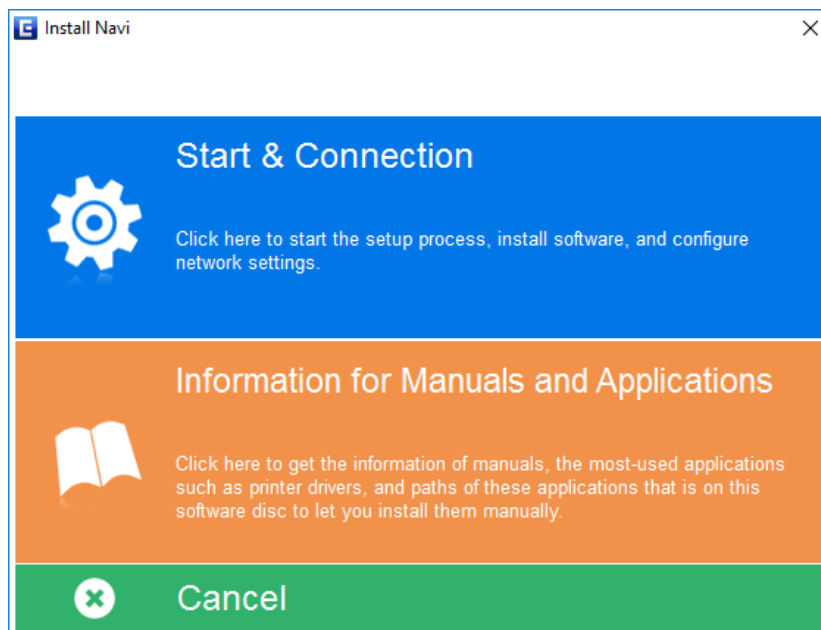
If using an Epson printer

Windows

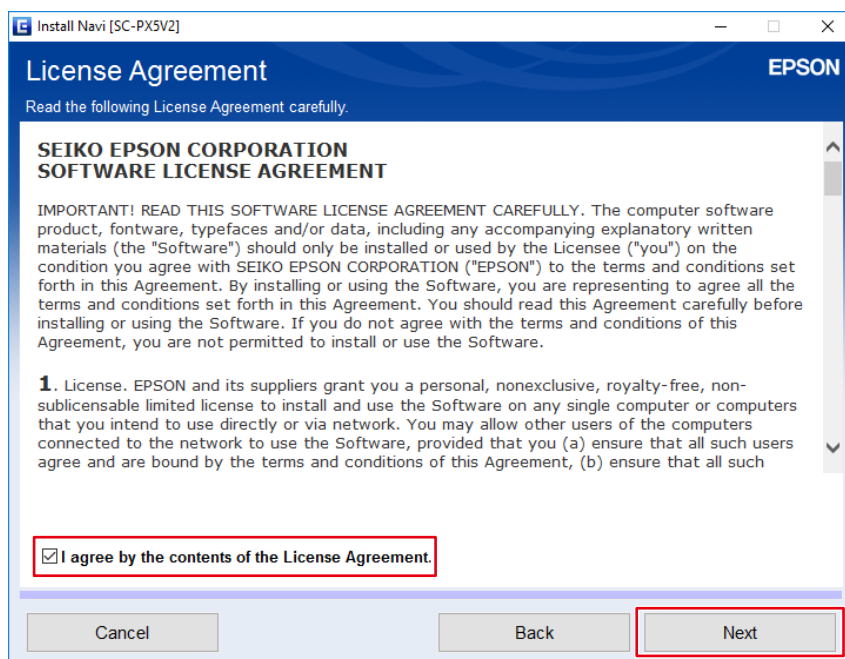
1. Insert the disk attached to the printer into the DVD drive.
2. When auto play starts, click "Run XXXXXXXX.exe" (e.g., InstallNavi.exe).

If auto play does not start even when you have inserted the disk, double-click the DVD drive in the Explorer, then double-click "XXXXXXX.exe" (e.g., InstallNavi.exe).

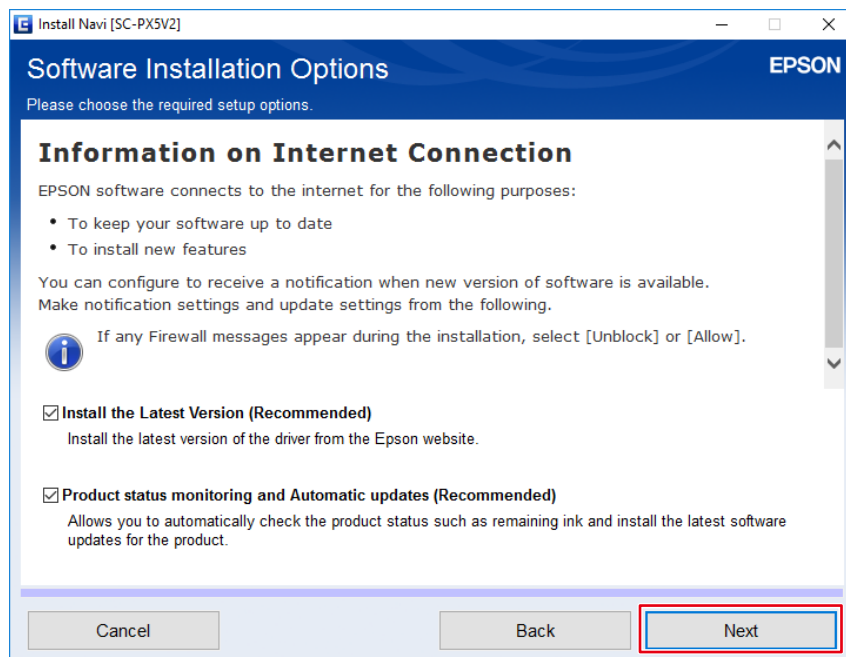
3. Click "Start & Connection".



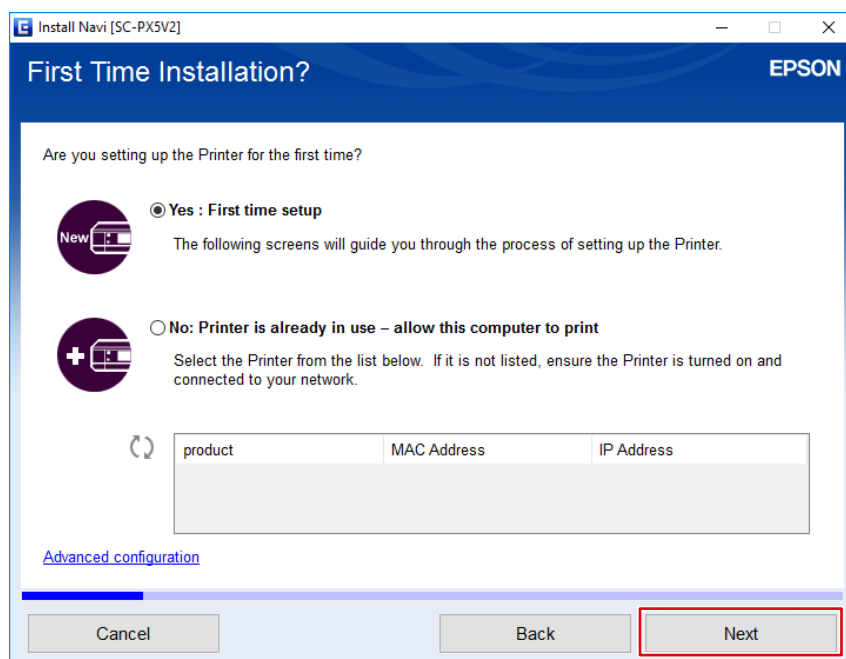
4. Check the contents of the license agreement, and select "I agree by the contents of the License Agreement." then click "Next".



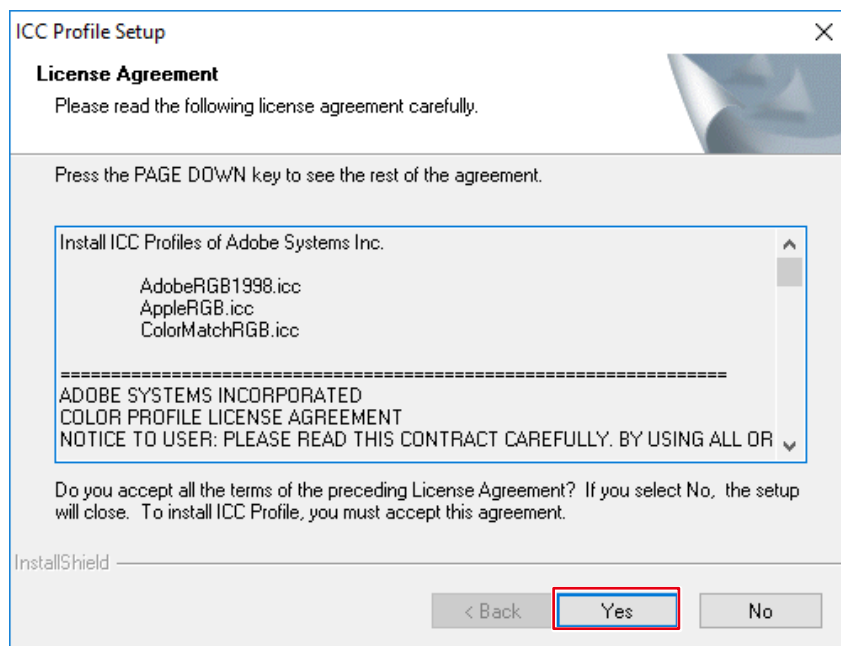
5. Click "Next".



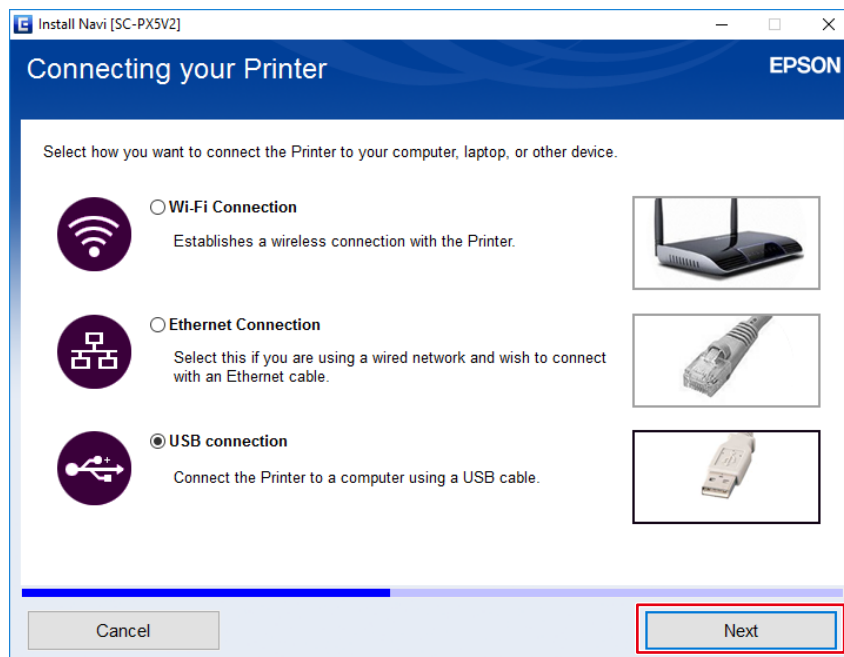
6. Select "Yes : First time setup", then click "Next".



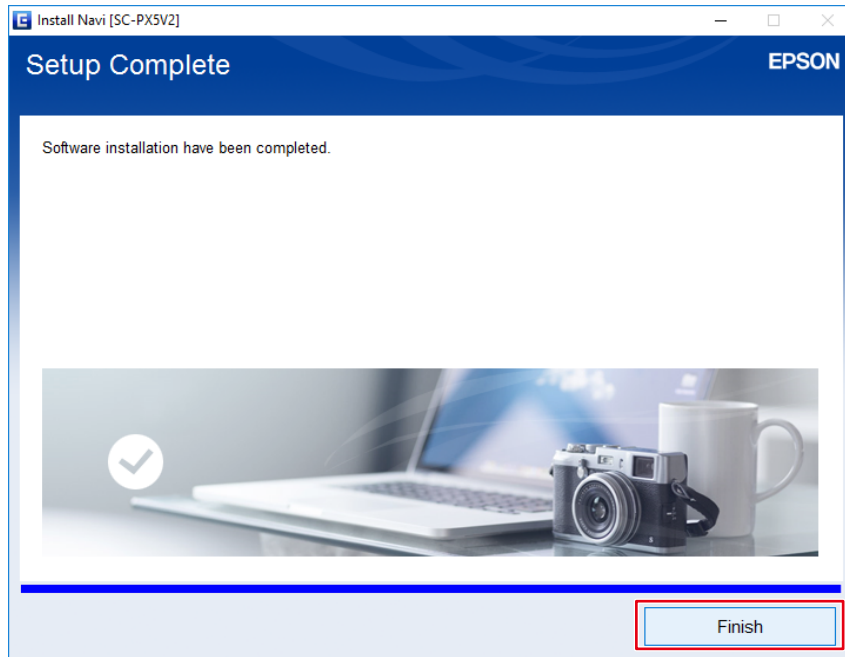
7. Click "Yes".



8. Select the connection method of the printer (Wi-Fi, Ethernet, or USB), then click "Next".



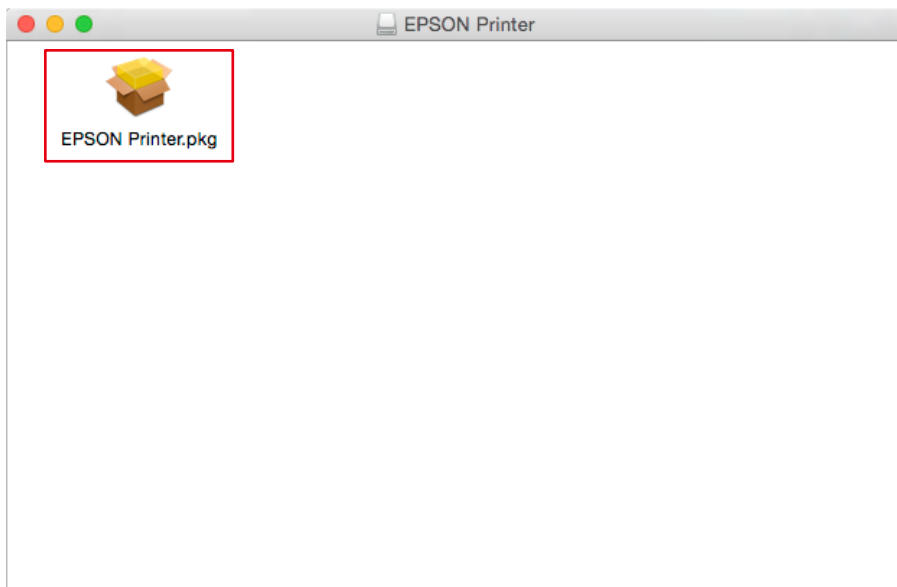
9. Click "Finish".



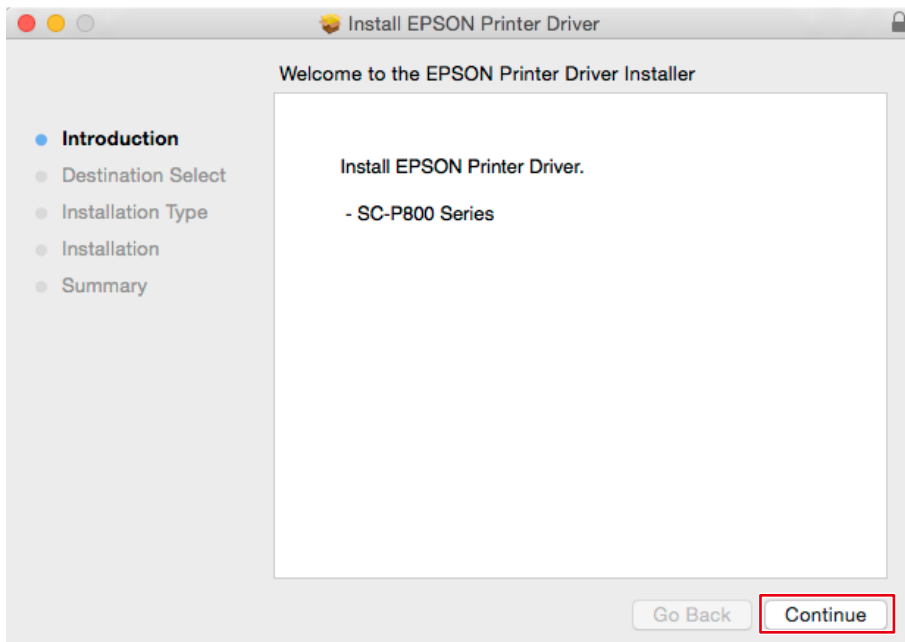
Installation is complete.

Mac

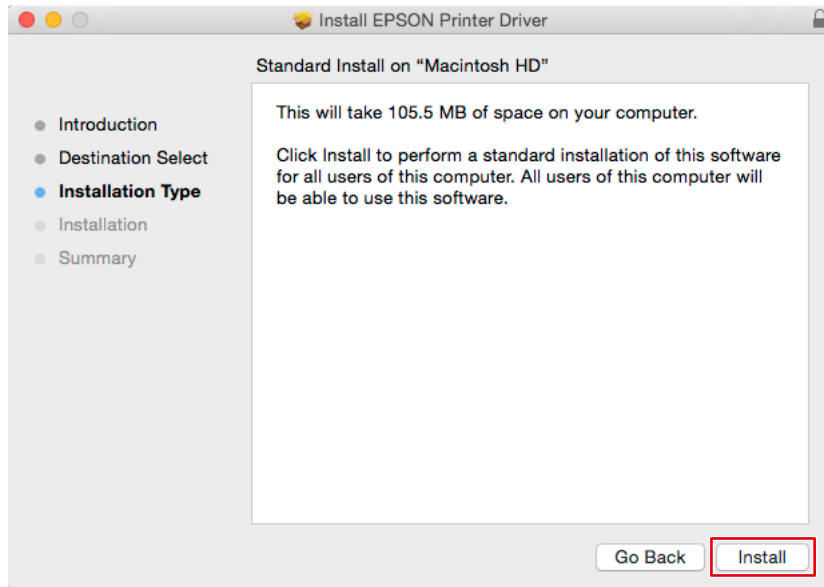
1. From the Epson web site, download the driver that is appropriate for the printer and operating system you are using.
2. Double-click the downloaded dmg file.
3. Double-click the "EPSON Printer.pkg" icon.



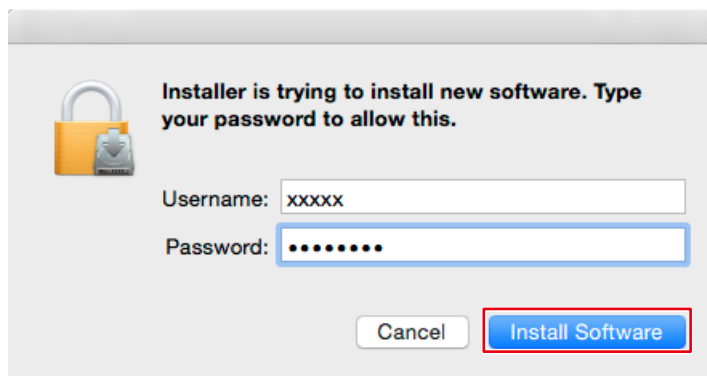
4. When the following window appears, click "Continue".



5. Click "Install".

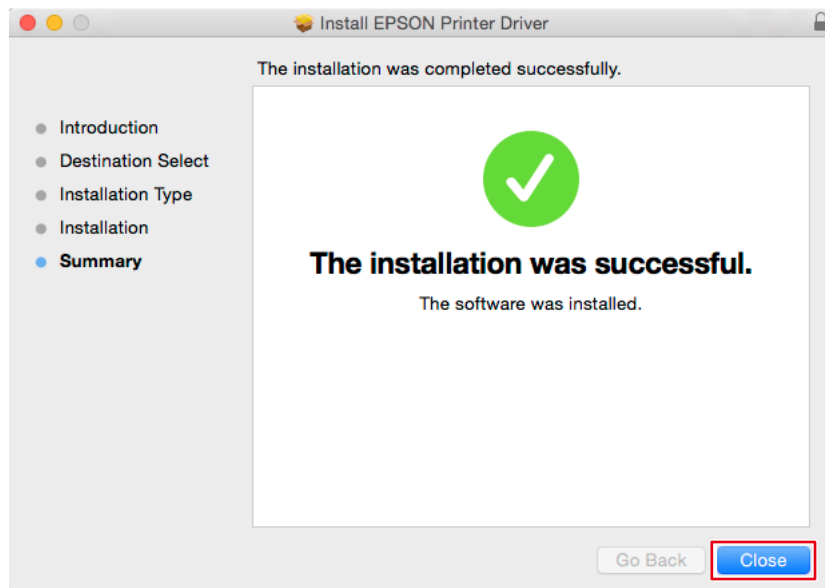


6. Enter the user name and password of the PC administrator, and click "Install Software".



This window may not appear depending on your environment. In this case, proceed to Step 7.

7. Click "Close".



Installation is complete.

2-4 Installing Print Assistant Software



Install retouching software, then install print assistant software.
The print assistant software may not be associated.

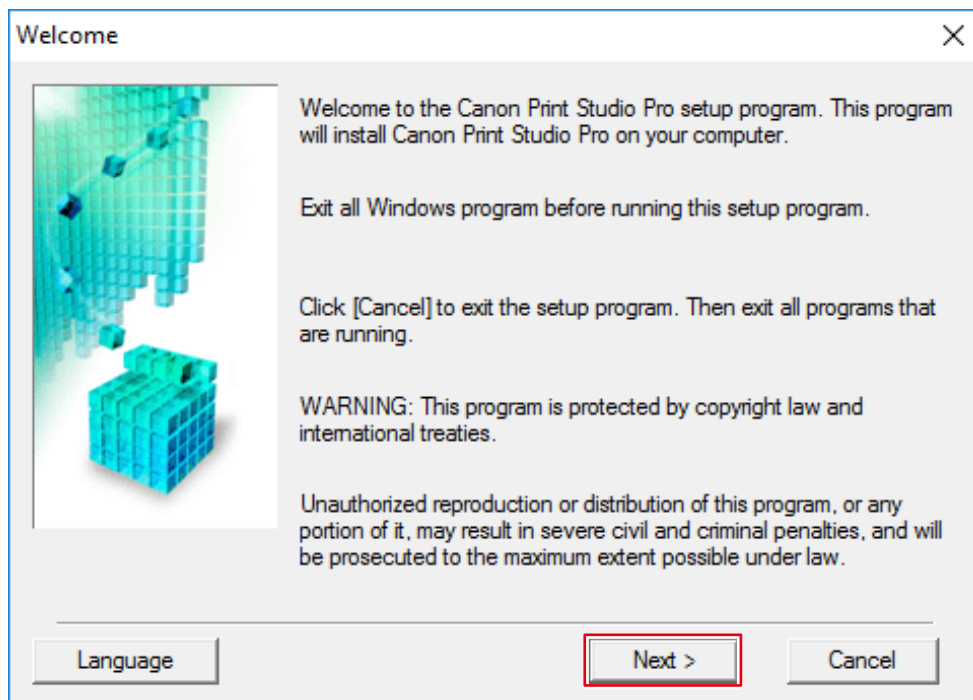
* Operations vary depending on the printer being used.

- If using a Canon printer ►► [page 25](#)
- If using an Epson printer ►► [page 29](#)

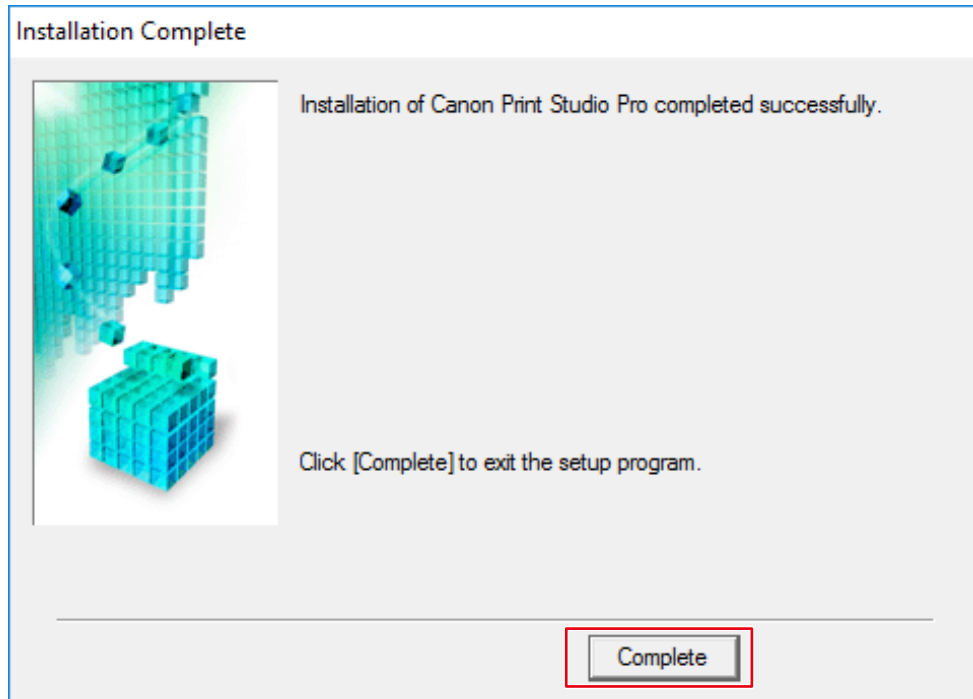
If using a Canon printer

Windows

1. Download Print Studio Pro Ver.2.2.1 or later from the Canon web site.
2. Double-click downloaded "psp_-win-xxx-xxx.exe".
Here, "xxx" is a software version number (e.g., 2_2_1-ea10_3).
3. Click "Next" and "Yes" several times.



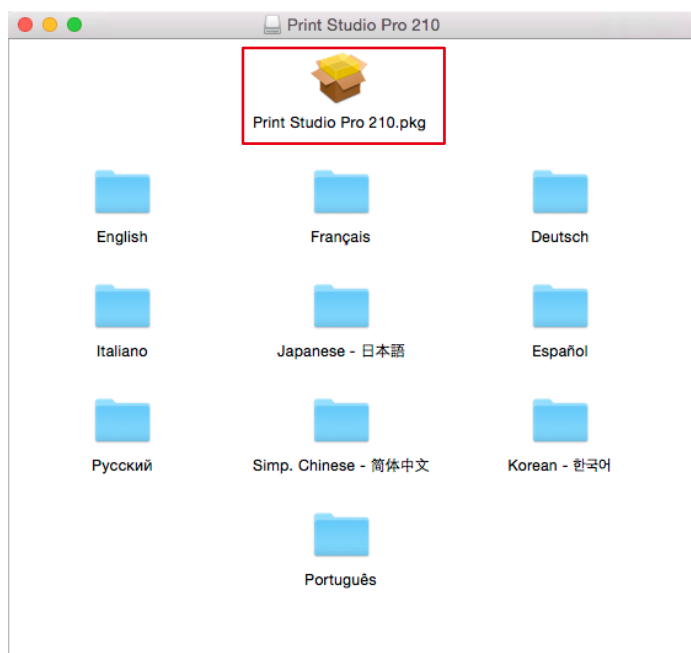
4. Click "Complete".



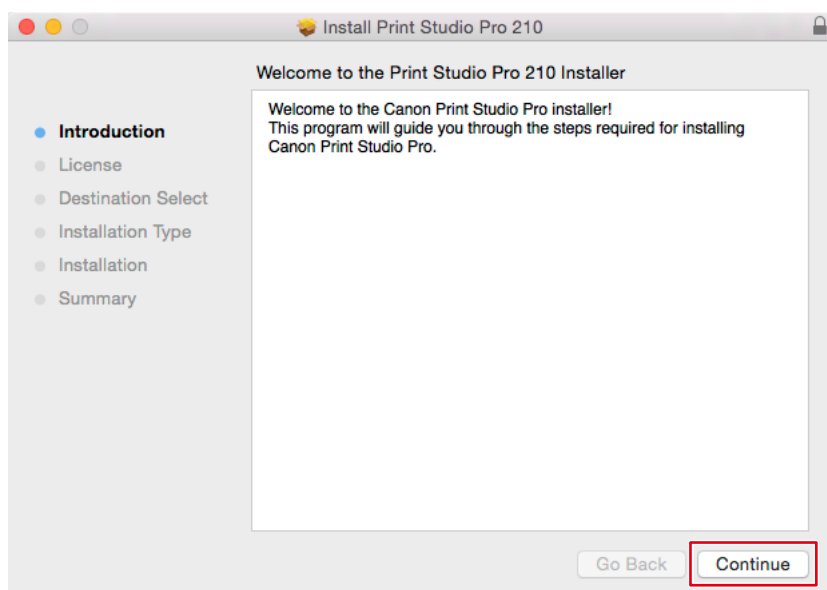
Installation is complete.

Mac

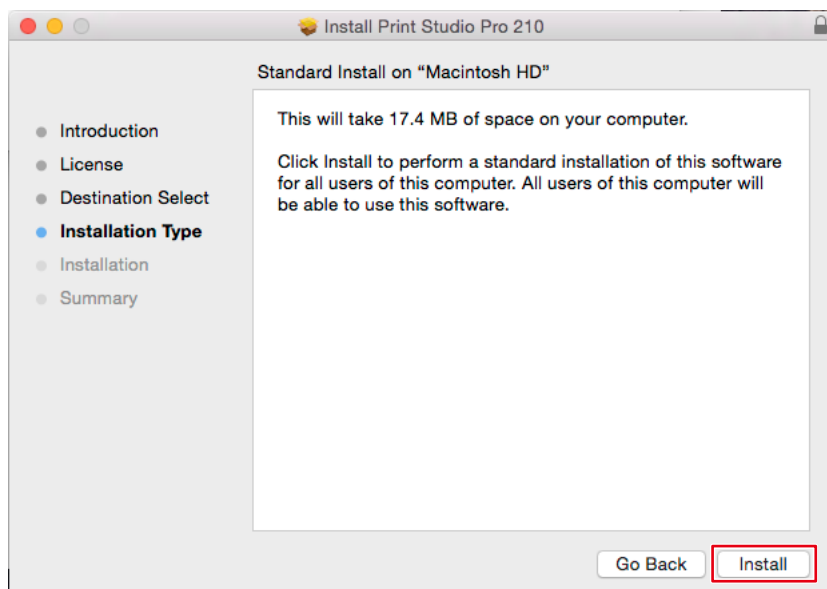
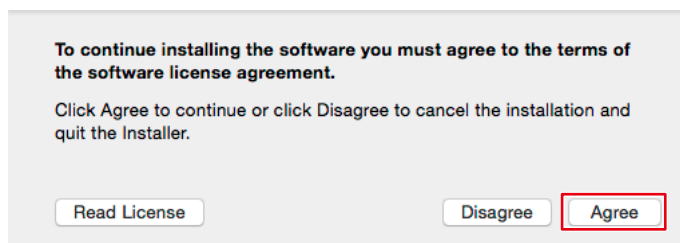
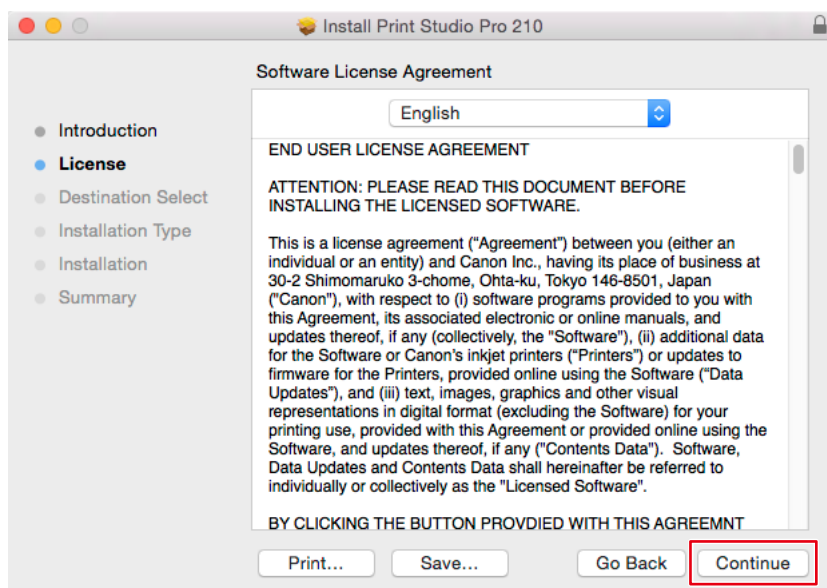
1. Download Print Studio Pro Ver.2.2.1 or later from the Canon web site.
2. Double-click downloaded "mpsp-mac-xxx-xxx.dmg".
Here, "xxx" is a software version number (e.g., 2_2_1-ea10_3).
The "Print Studio Pro XXX" icon is placed on the desktop.
3. Double-click the "Print Studio Pro XXX" icon.
4. Double-click the "Print Studio Pro XXX.pkg" icon.



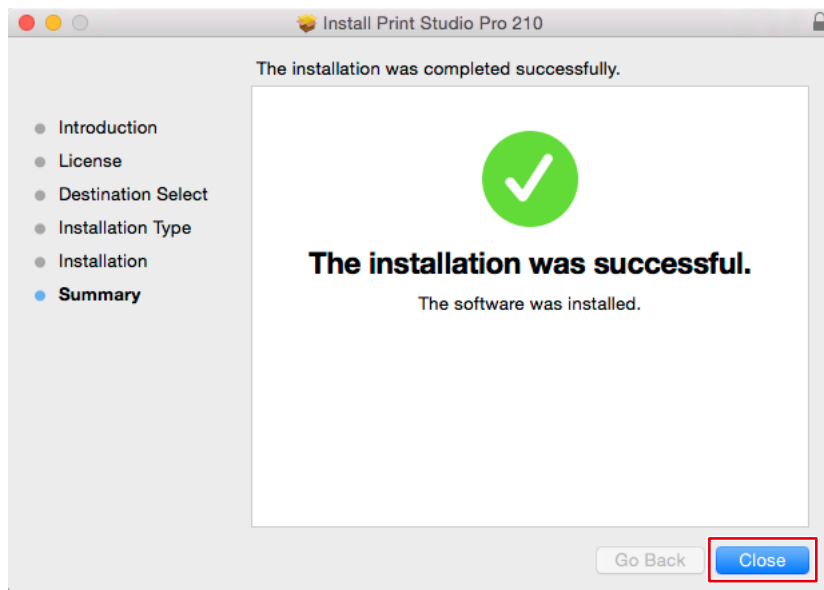
5. When the following window appears, click "Continue".



6. In the windows that subsequently appear, click "Continue", "Agree", and "Install" respectively.



7. Click "Close".

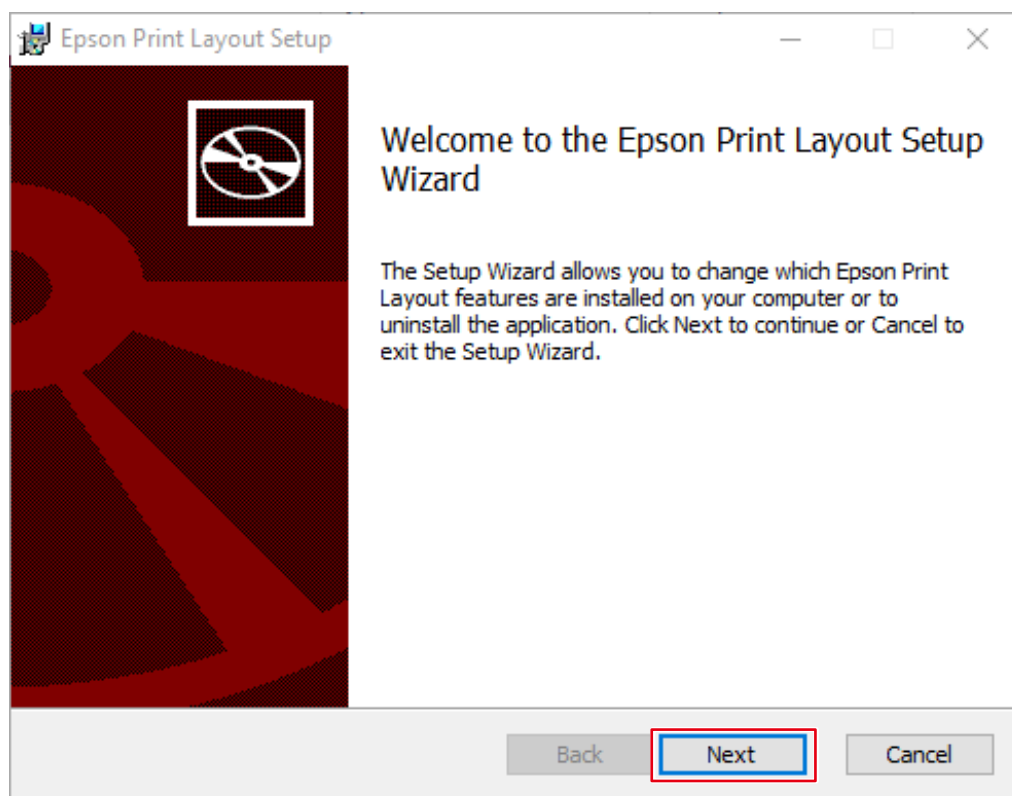
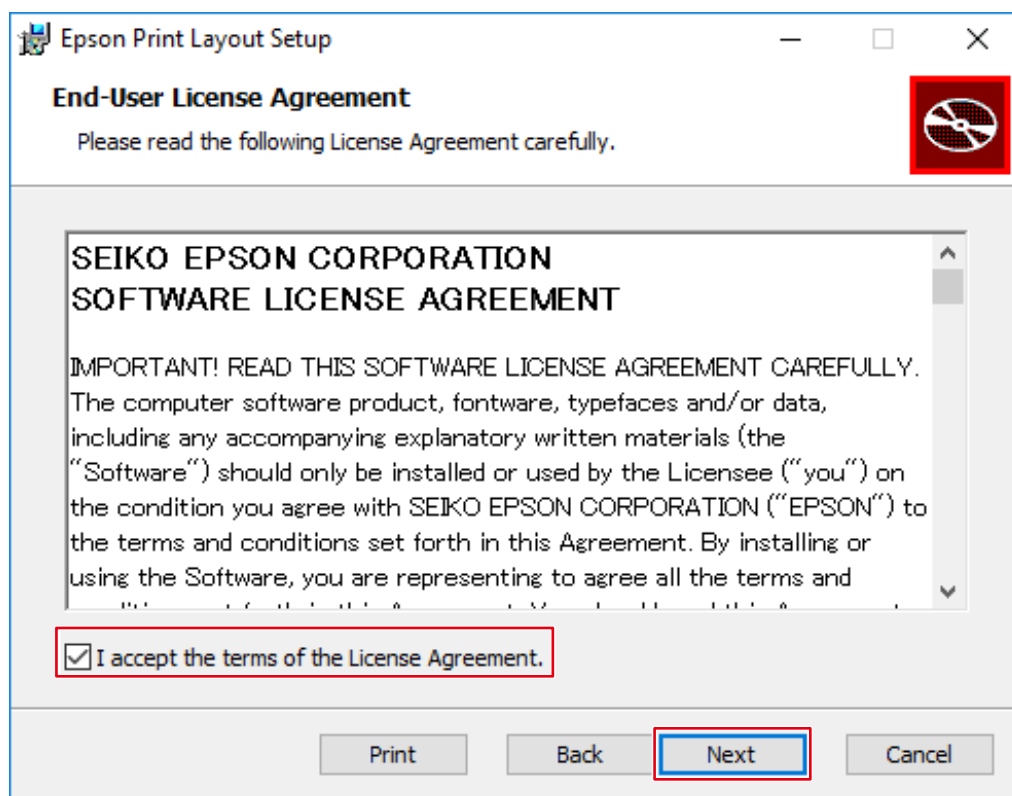


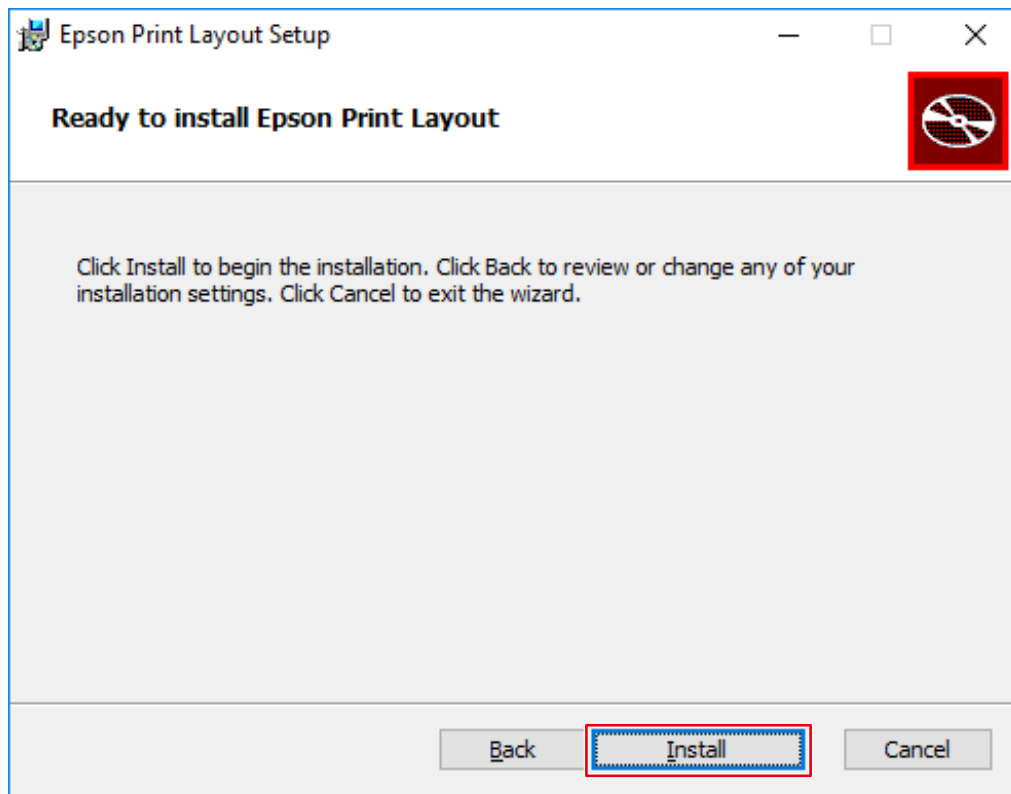
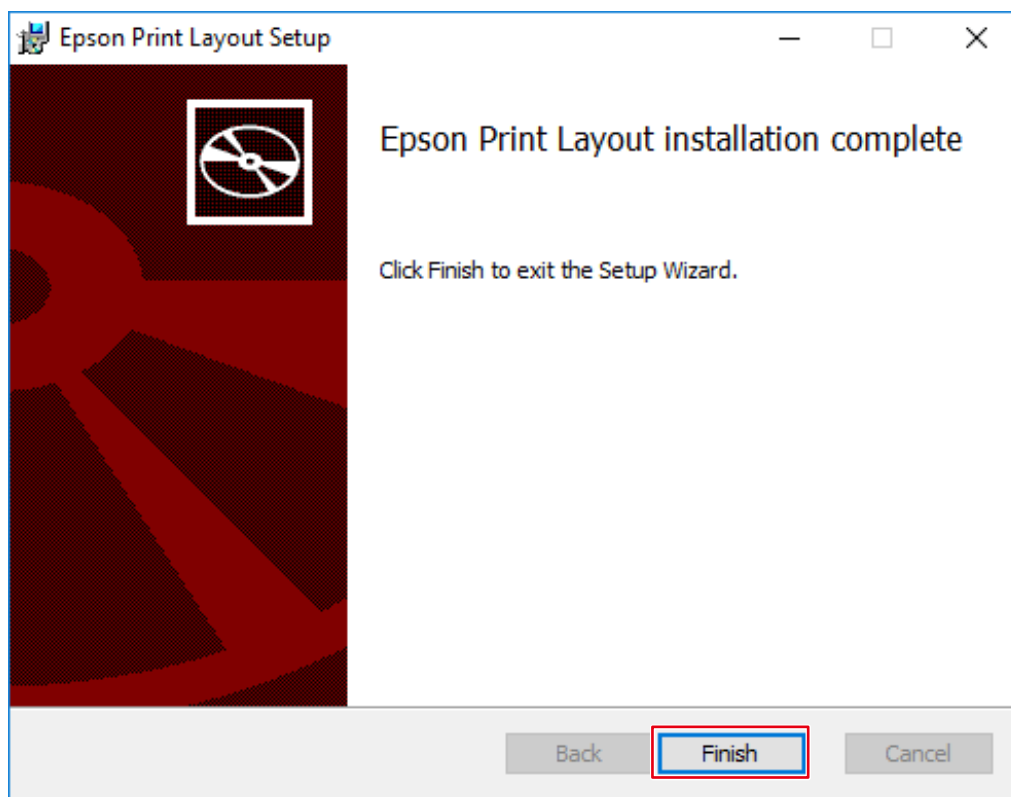
Installation is complete.

If using an Epson printer

Windows

1. Download Epson Print Layout Ver.1.3.5 or later from the Epson web site.
2. Double-click the downloaded exe file.

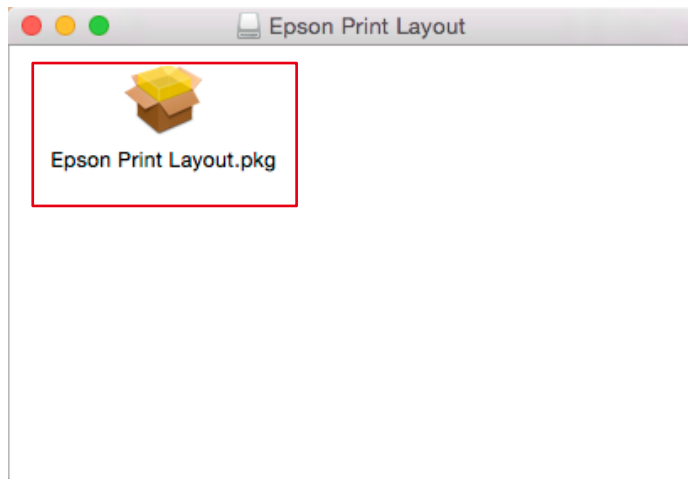
3. Click "Next".**4. After checking the contents of the license agreement, select the "I accept the terms of the License Agreement." check box, and click "Next".**

5. Click "Install".**6. Click "Finish".**

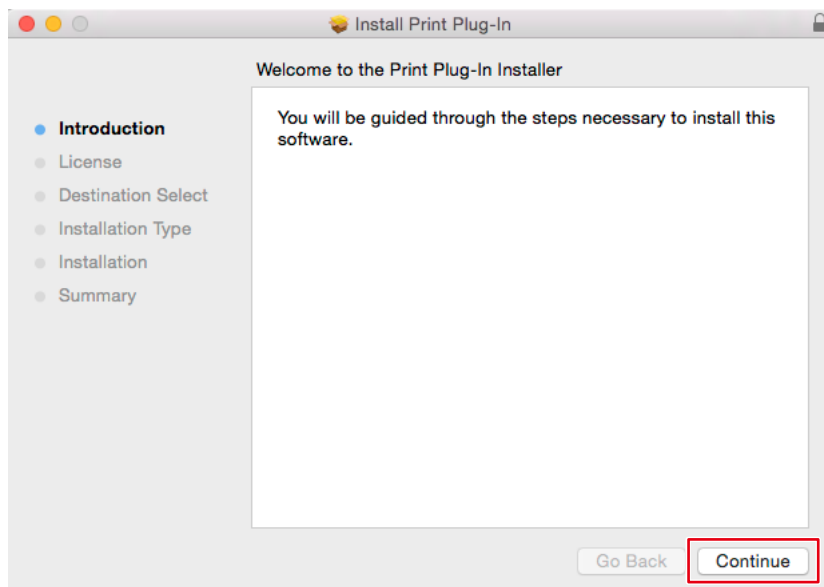
Installation is complete.

Mac

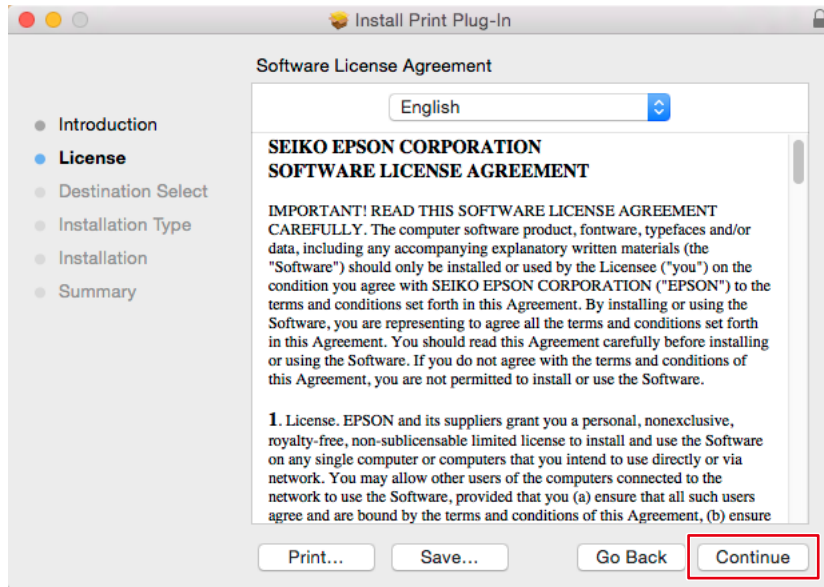
- 1. Download Epson Print Layout Ver.1.3.5 or later from the Epson web site.**
- 2. Double-click the downloaded dmg file.**
The "Epson Print Layout" icon is placed on the desktop.
- 3. Double-click the "Epson Print Layout" icon.**
- 4. Double-click the "Epson Print Layout.pkg" icon.**



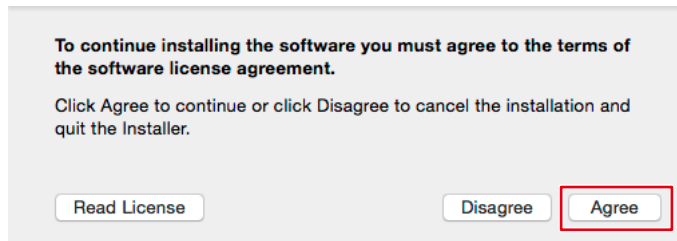
- 5. When the following window appears, click "Continue".**



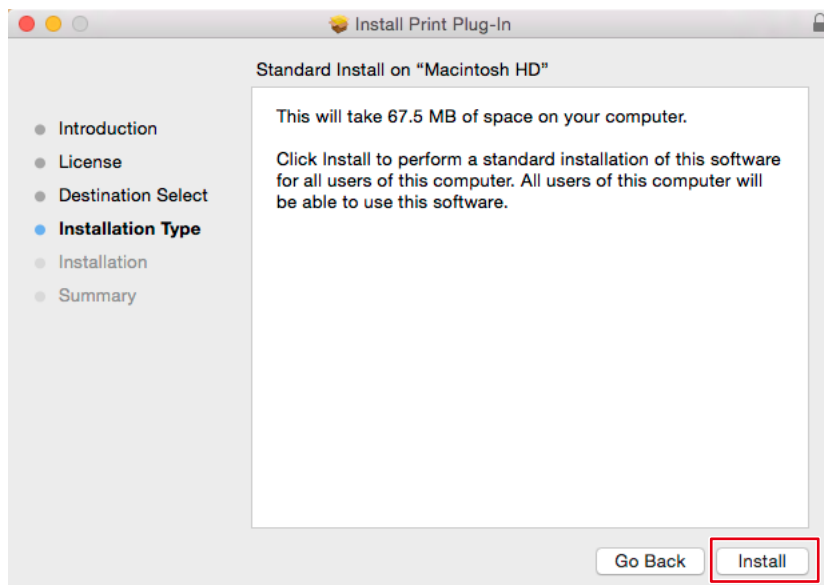
6. Click "Continue".



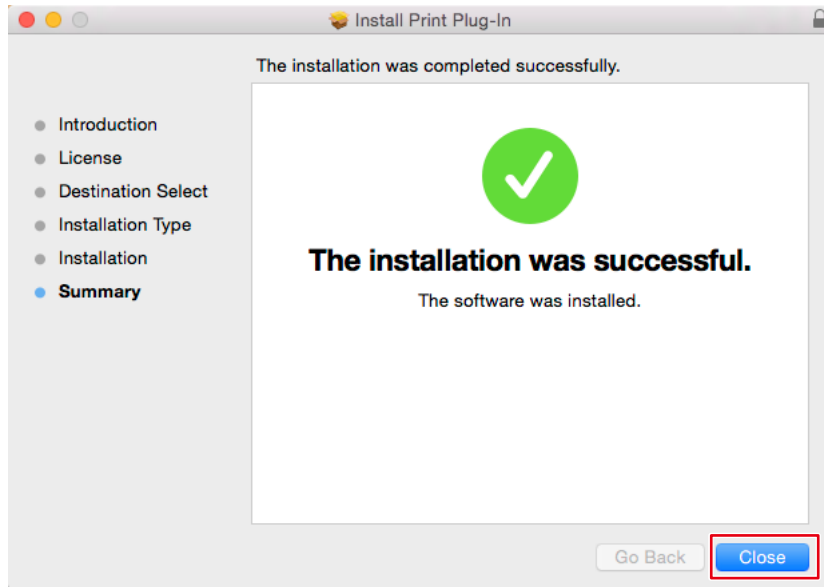
7. Click "Agree".



8. Click "Install".



9. Click "Close".



Installation is complete.

2-5 Basic Operations of Quick Color Match



The results of adjustment using Quick Color Match are saved in User mode of the monitor (saved in User1 mode or Custom mode on models that do not have User mode). Keep using the monitor in this mode to display images in the correct colors.



Color mode switch button
Do not touch!

Photoshop mode enables you to configure the color settings using Quick Color Match, so that the displayed colors match between Photoshop and print assistant software, and the colors of printed photos also match them.

Photoshop mode is enabled by default if Photoshop is installed on your PC.

If you want to use another type of retouching software other than the Photoshop software installed on your PC, disable Photoshop mode. For information on how to switch modes, refer to [“2-6 Quick Color Match Screen” on page 62](#).



- If you do not use Photoshop mode, the color settings of retouching software are not configured. The color settings are configured so that the colors displayed on the print assistant software will match those of printed photos.
- You cannot use Photoshop mode for Photoshop Elements and Photoshop Lightroom.

- [Using Photoshop mode ►► page 35](#)
- [When not using Photoshop mode ►► page 43](#)

Using Photoshop mode

1. Start Quick Color Match.

Double-click the "Quick Color Match" icon on the desktop.



Alternatively, implement the following steps.

Windows 10

1. Select "Start" button - "All Apps" - "EIZO" - "Quick Color Match".

Windows 8.1

1. Click ⬇ in the lower part of the Start screen.
The App screen appears.
2. Click "Quick Color Match".

Windows 7

1. Select "Start" - "All Programs" - "EIZO" - "Quick Color Match" - "Quick Color Match".

Mac

1. Start Finder, and click "Applications".
The list of installed software appears.
2. Click "Quick Color Match".
3. Click "QuickColorMatch.app".

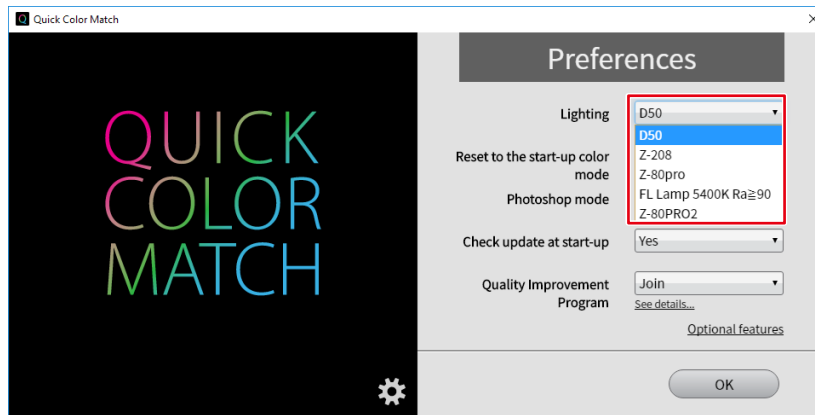


When you start Quick Color Match for the first time, the Quality Improvement Program window appears. Select "Join" or "Do not Join", then click "OK".

2. Select the lighting you use.

If using desk light "FL Lamp 5400 K Ra $\geq$ 90"

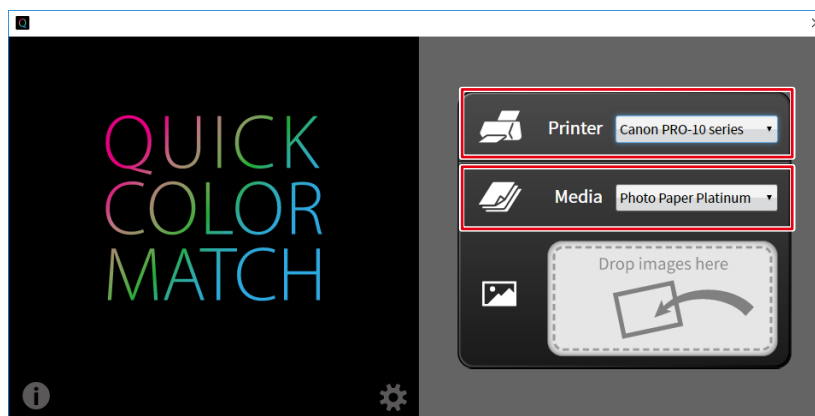
Click  to open Preferences, and from "Lighting", select the lighting you use.



If using lighting other than desktop lights "FL Lamp 5400 K Ra $\geq$ 90"

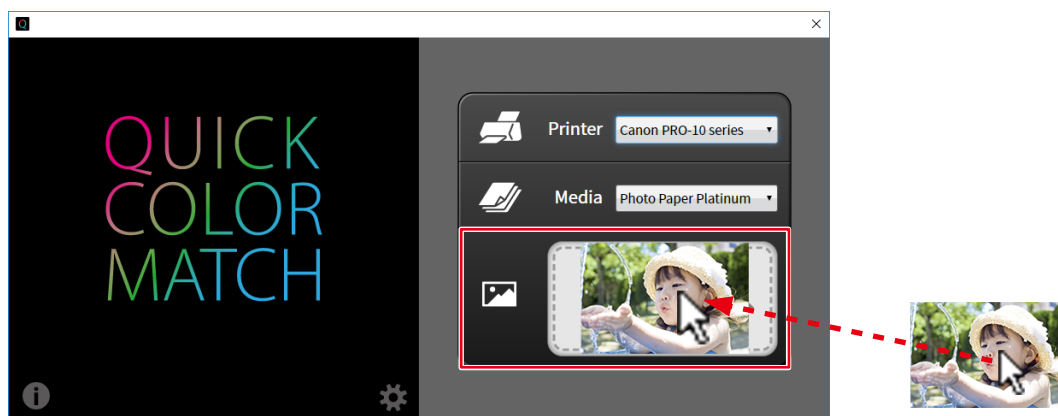
Do not change the lighting setting. Proceed to Step 3.

3. Select the Printer and Media.



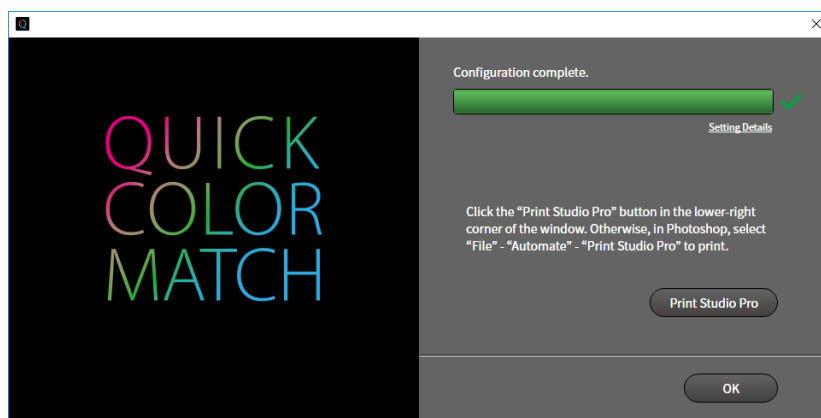
Paper types compatible with the selected printer are displayed.

4. Drag and drop your photo data into the "Drop images here" box.



The setting process starts. When the process is complete, the "Configuration complete." message appears.

The monitor color mode is saved in User mode (saved in User1 mode or Custom mode on models that do not have User mode).



Photoshop starts.

5. Photoshop displays the print image. Edit or retouch the image if necessary.

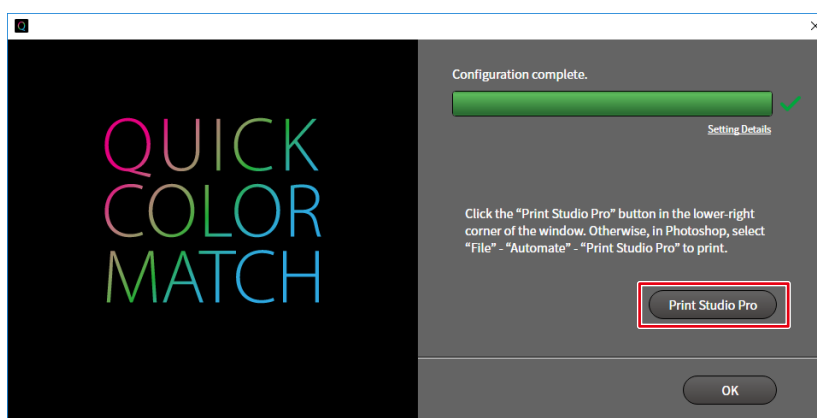
6. Print the photo data.

* Operations vary depending on the printer being used.

- If using a Canon printer ►► [page 38](#)
- If using an Epson printer ►► [page 41](#)

If using a Canon printer

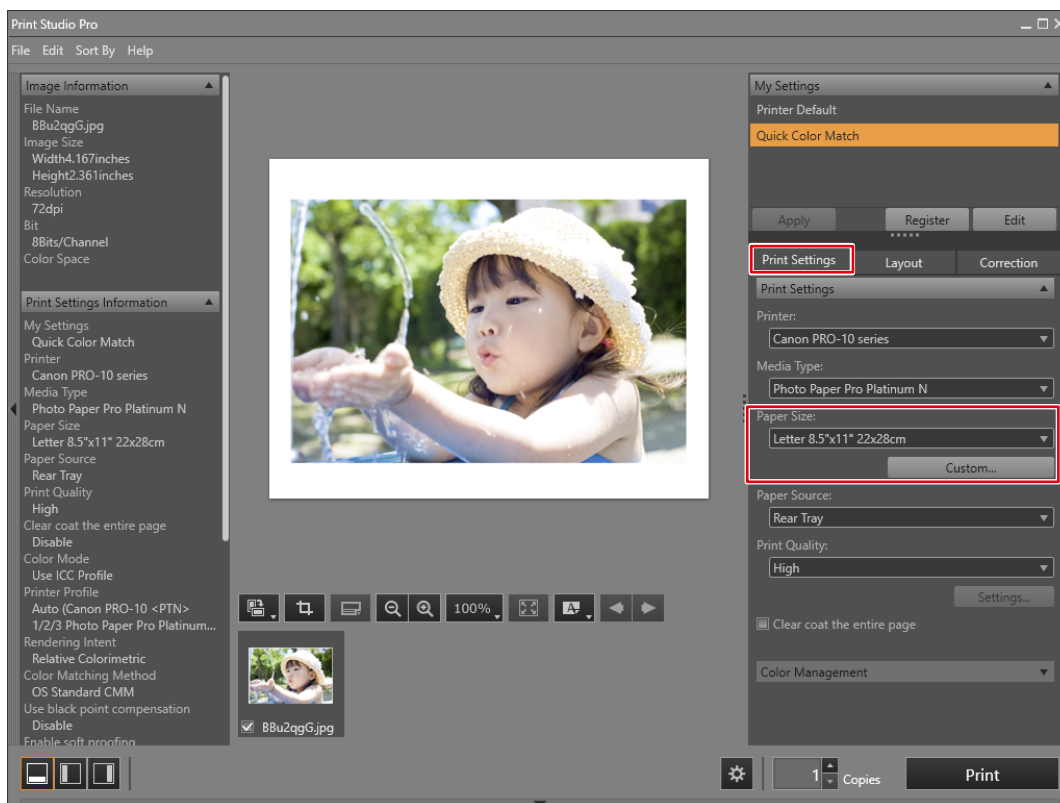
1. Switch the display to the Quick Color Match screen, and click "Print Studio Pro".



Print Studio Pro starts.

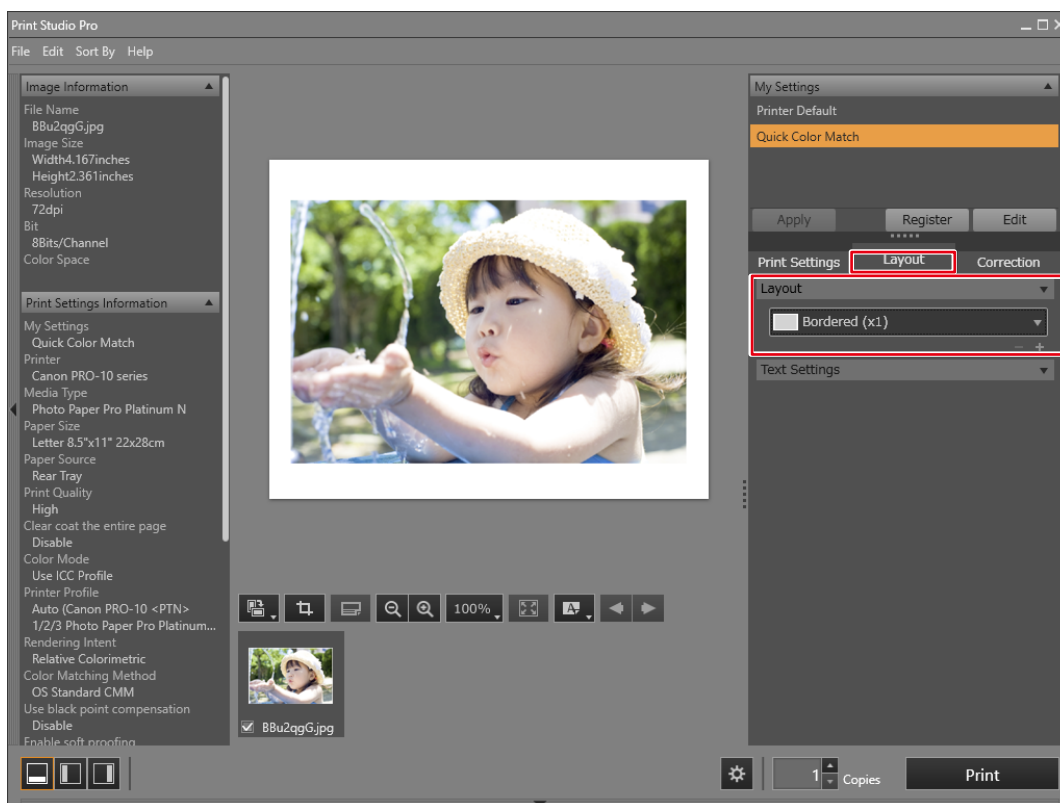
The image on Photoshop is sent to Print Studio Pro.

2. Set the Paper Size.



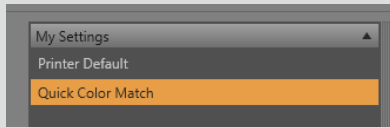
The “Color Management” settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Set the Layout.

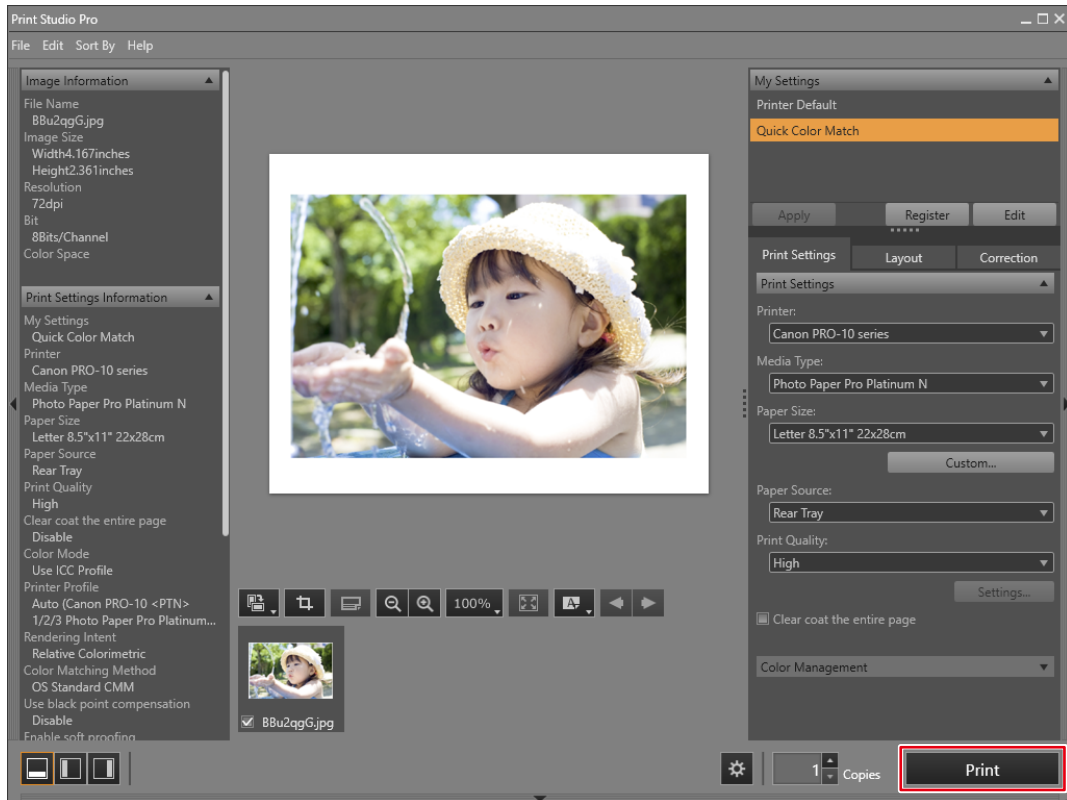




- If you change the Print Studio Pro settings, its "My Settings" selection is changed from "Quick Color Match" to "Custom".
- Color settings are inherited as they are.

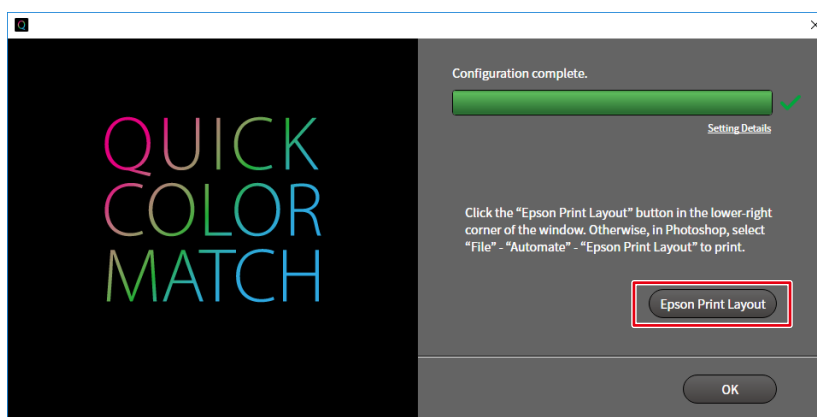


4. Click "Print".



If using an Epson printer

1. Click "Epson Print Layout".
Epson Print Layout starts.

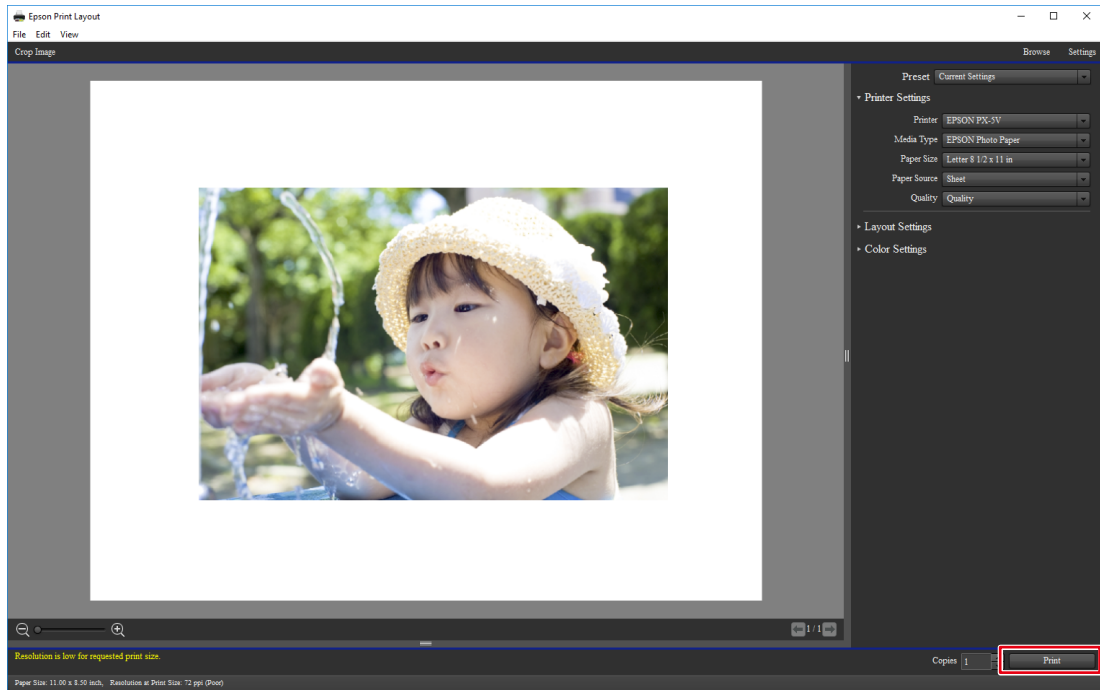


2. Set the Paper Size and Layout Settings.



The "Color Settings" are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Click "Print".



When not using Photoshop mode

1. Start Quick Color Match.

Double-click the "Quick Color Match" icon on the desktop.



Alternatively, implement the following steps.

Windows 10

1. Select "Start" - "All Apps" - "EIZO" - "Quick Color Match".

Windows 8.1

1. Click ⬇ in the lower part of the Start screen.
The App screen appears.
2. Click "Quick Color Match".

Windows 7

1. Select "Start" - "All Programs" - "EIZO" - "Quick Color Match" - "Quick Color Match".

Mac

1. Start Finder, and click "Applications".
The list of installed software appears.
2. Click "Quick Color Match".

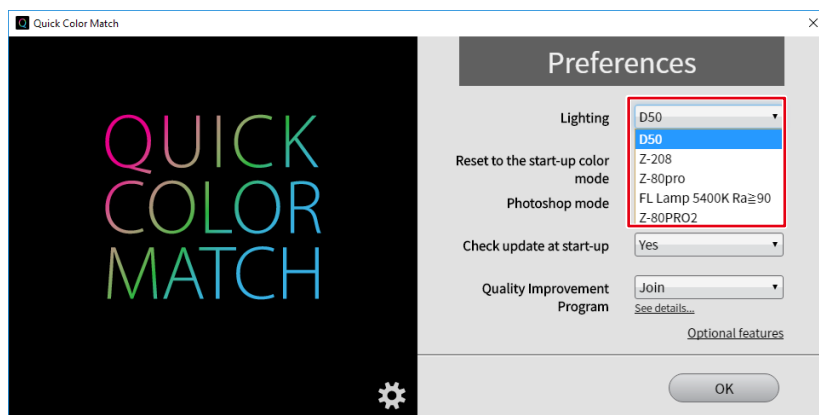


When you start Quick Color Match for the first time, the Quality Improvement Program window appears. Select "Join" or "Do not Join", then click "OK".

2. Select the lighting you use.

If using desk light "FL Lamp 5400 K Ra $\geq$ 90"

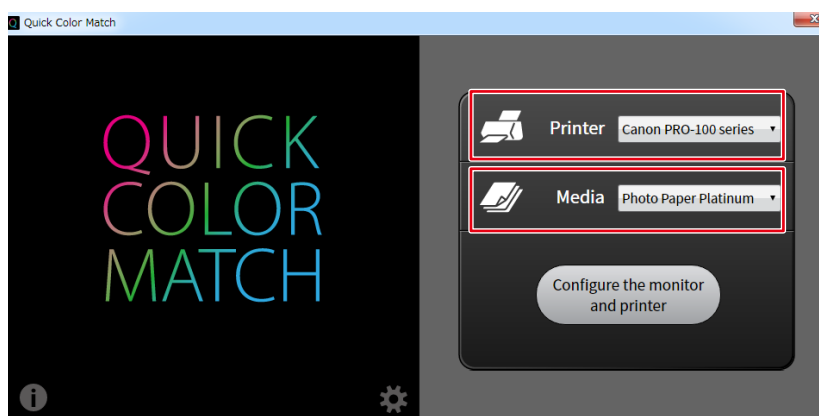
Click  to open Preferences, and from "Lighting", select the lighting you use.



If using lighting other than desktop lights "FL Lamp 5400 K Ra $\geq$ 90"

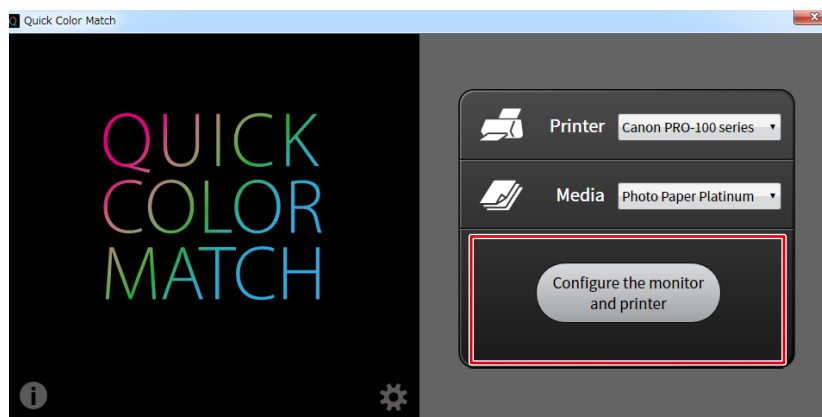
Do not change the lighting setting. Proceed to Step 3.

3. Select the Printer and Media.



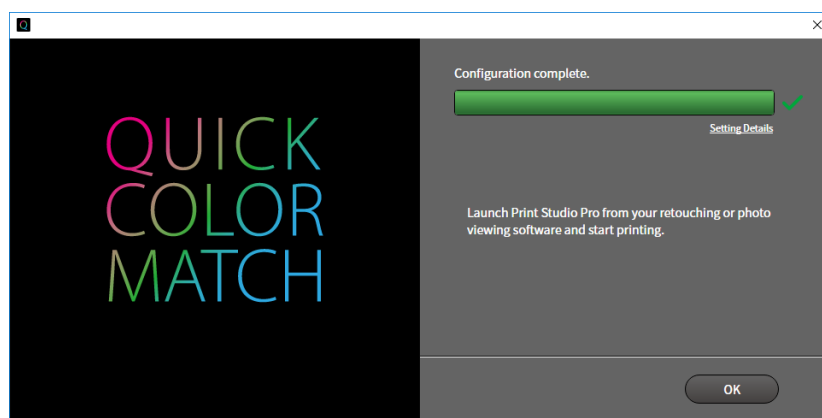
Paper types compatible with the selected printer are displayed.

4. Click "Configure the monitor and printer".



The setting process starts. When the process is complete, the "Configuration complete." message appears.

The monitor color mode is saved in User mode (saved in User1 mode or Custom mode on models that do not have User mode).



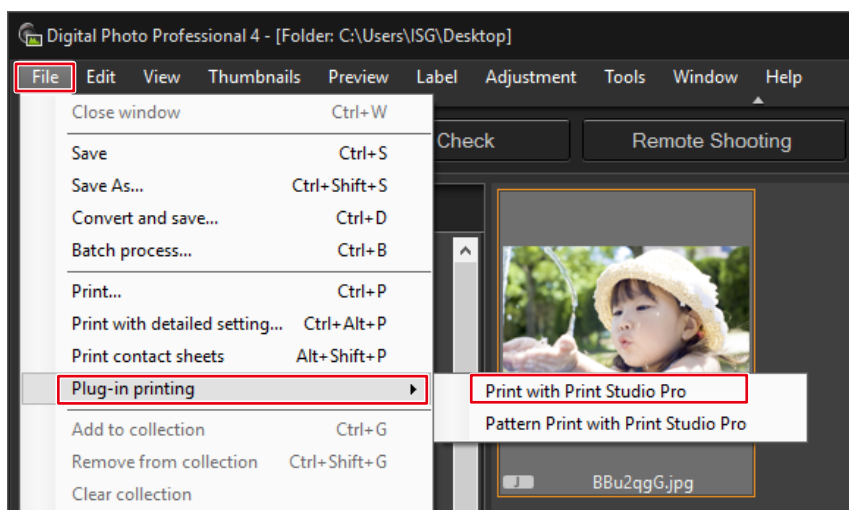
5. Start the retouching software, and display the photo you want to print out.
6. Edit or retouch the image if necessary. (Check the colors using the print assistant software.)
7. Print the photo data.

* Operations vary depending on the retouching software and printer you use.

Retouching software	Printer	
	Canon	Epson
Digital Photo Professional	▶▶ page 46	-
Lightroom	▶▶ page 49	▶▶ page 52
Photoshop Elements	▶▶ page 55	▶▶ page 58
Nikon ViewNX-i	-	▶▶ page 60

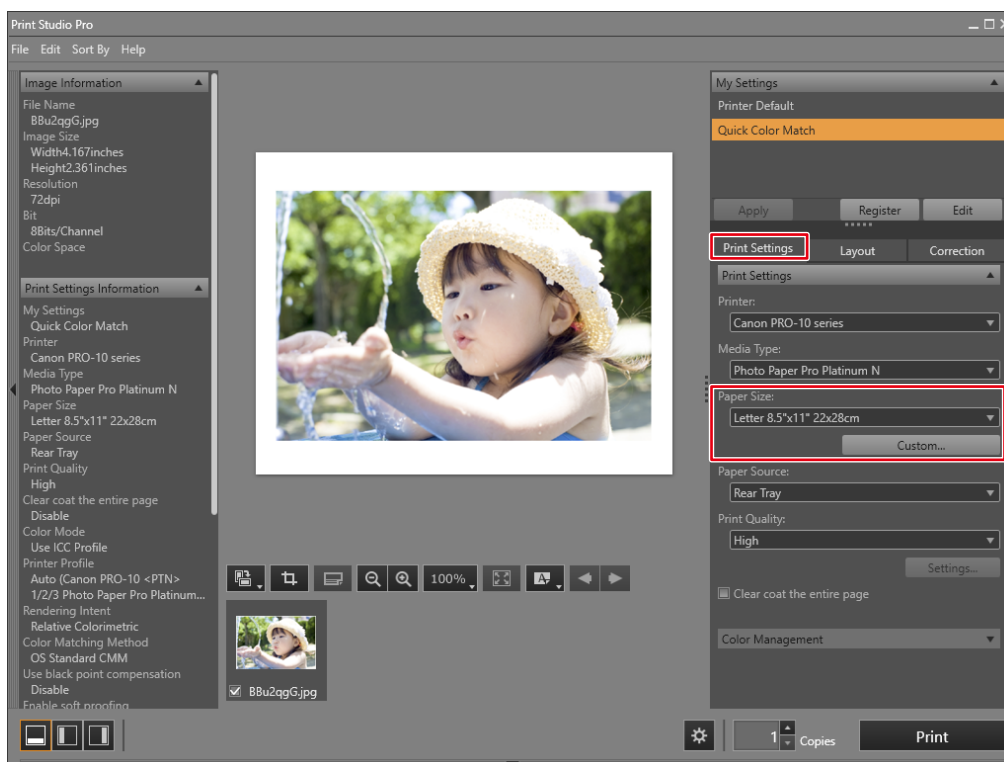
If using Digital Photo Professional and a Canon printer

1. Select "File" - "Plug-in printing" - "Print with Print Studio Pro".



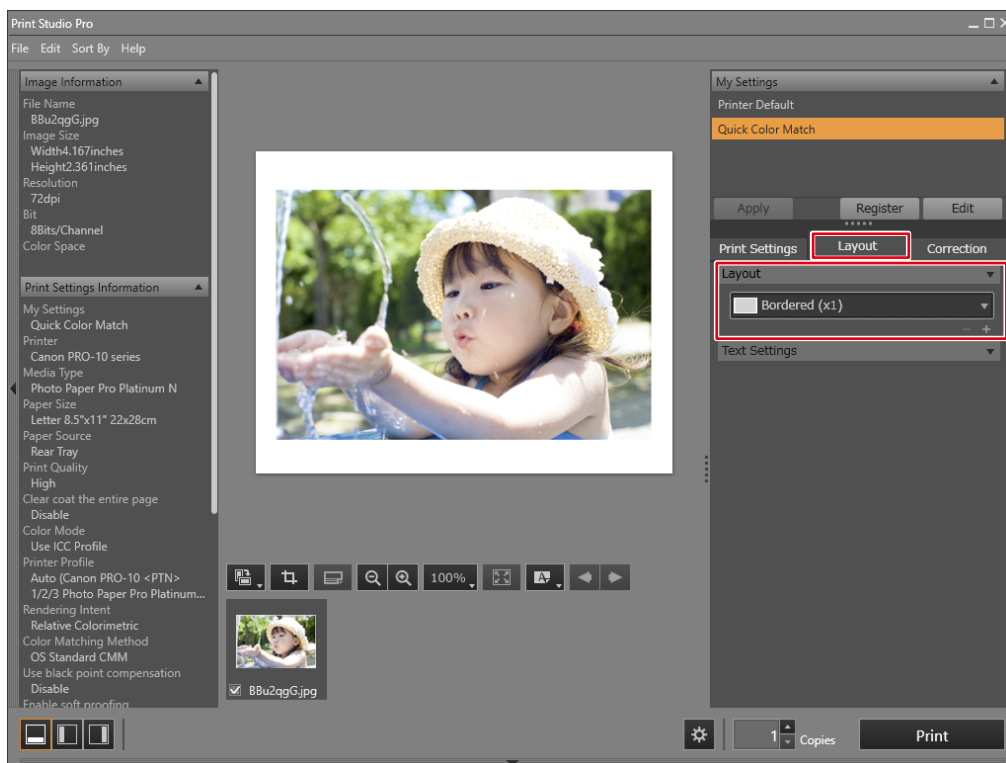
Print Studio Pro starts.

2. Set the Paper Size.

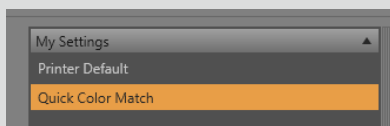


The "Color Management" settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

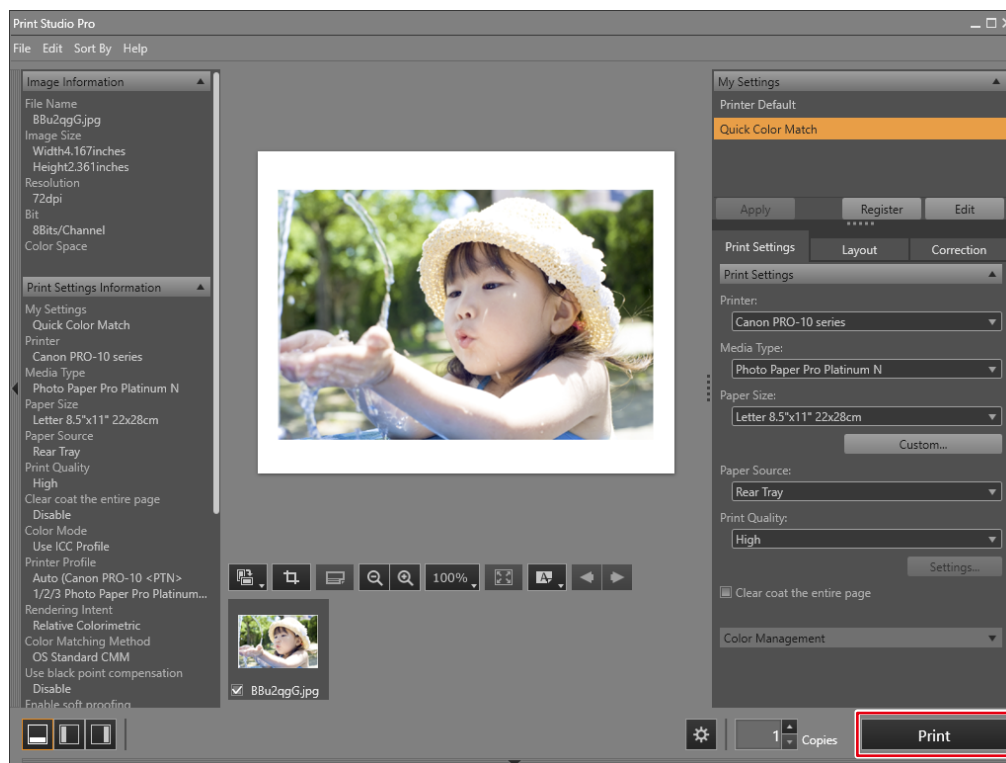
3. Set the Layout.



- If you change the Print Studio Pro settings, its "My Settings" selection is changed from "Quick Color Match" to "Custom".
- Color settings are inherited as they are.

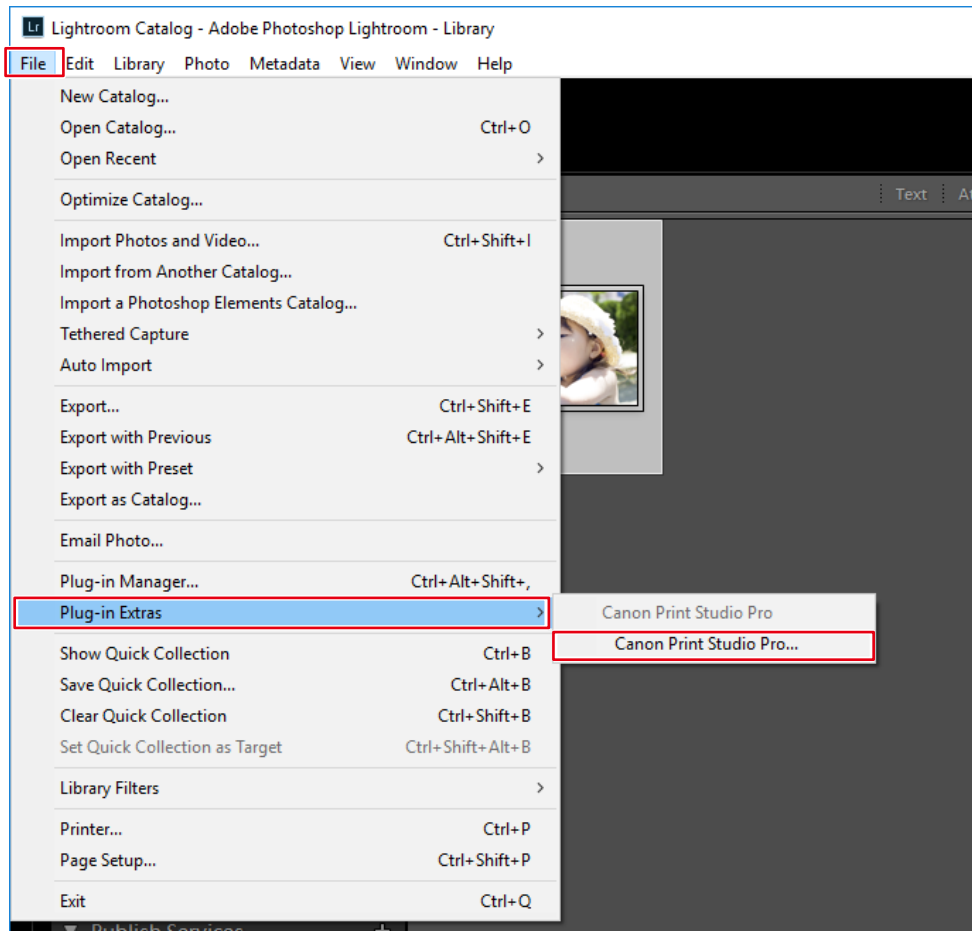


4. Click "Print".



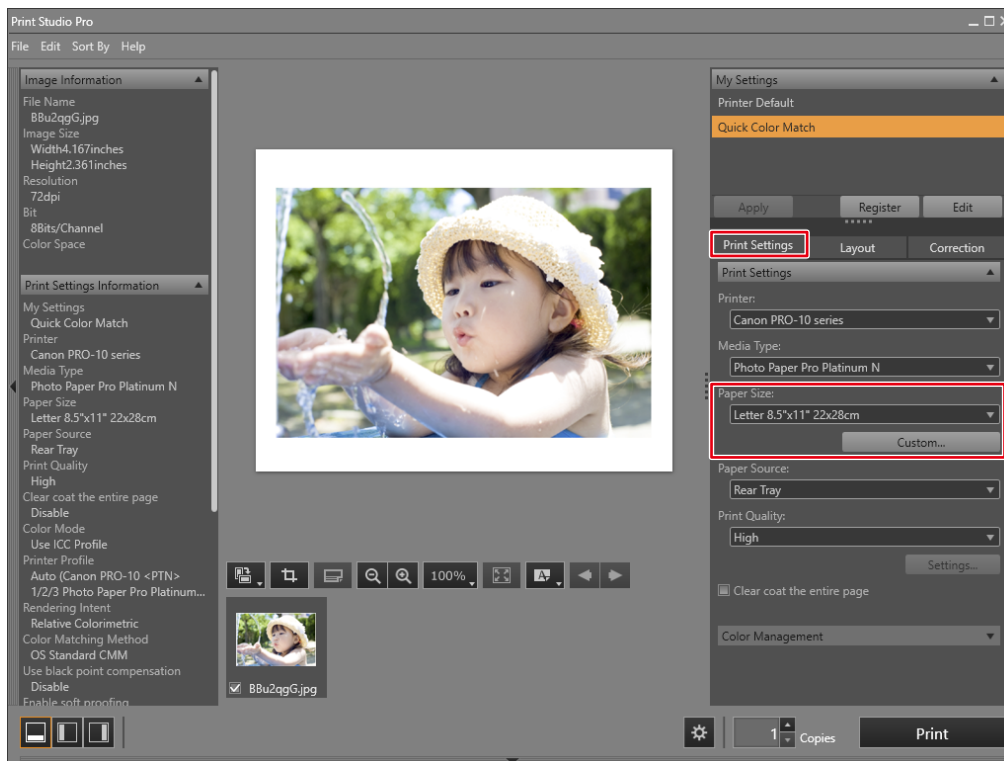
If using Lightroom and a Canon printer

1. Select "File" - "Plug-in Extras" - "Canon Print Studio Pro".



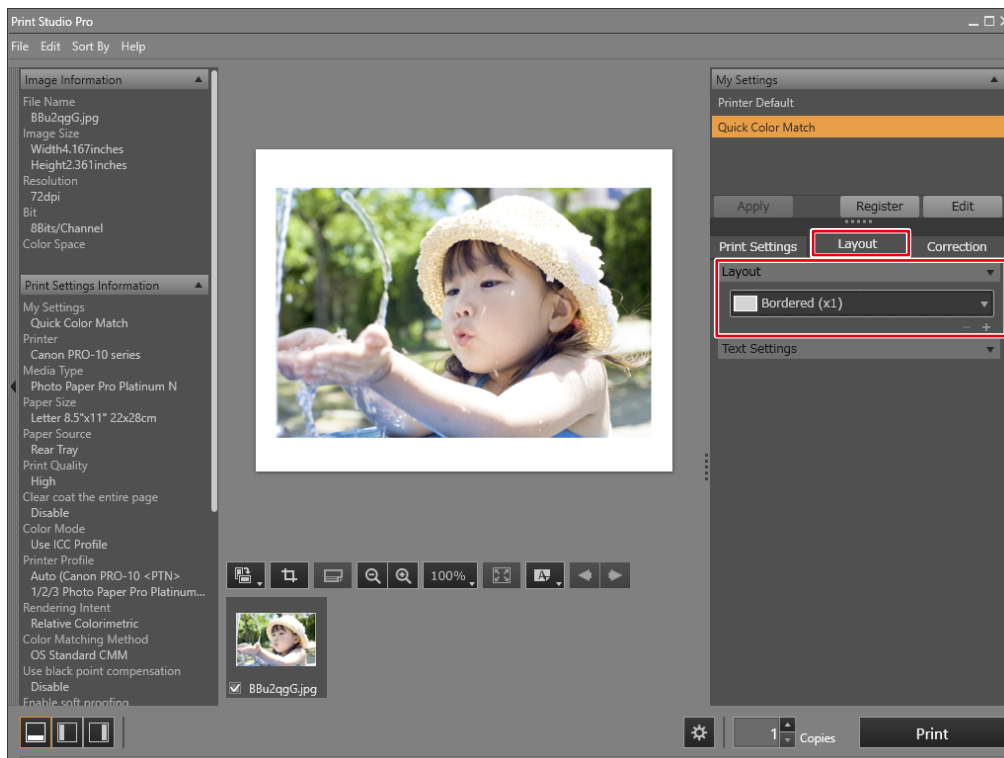
Print Studio Pro starts.

2. Set the Paper Size.



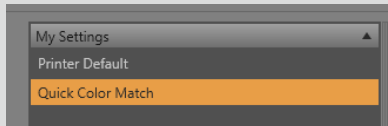
The “Color Management” settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Set the Layout.

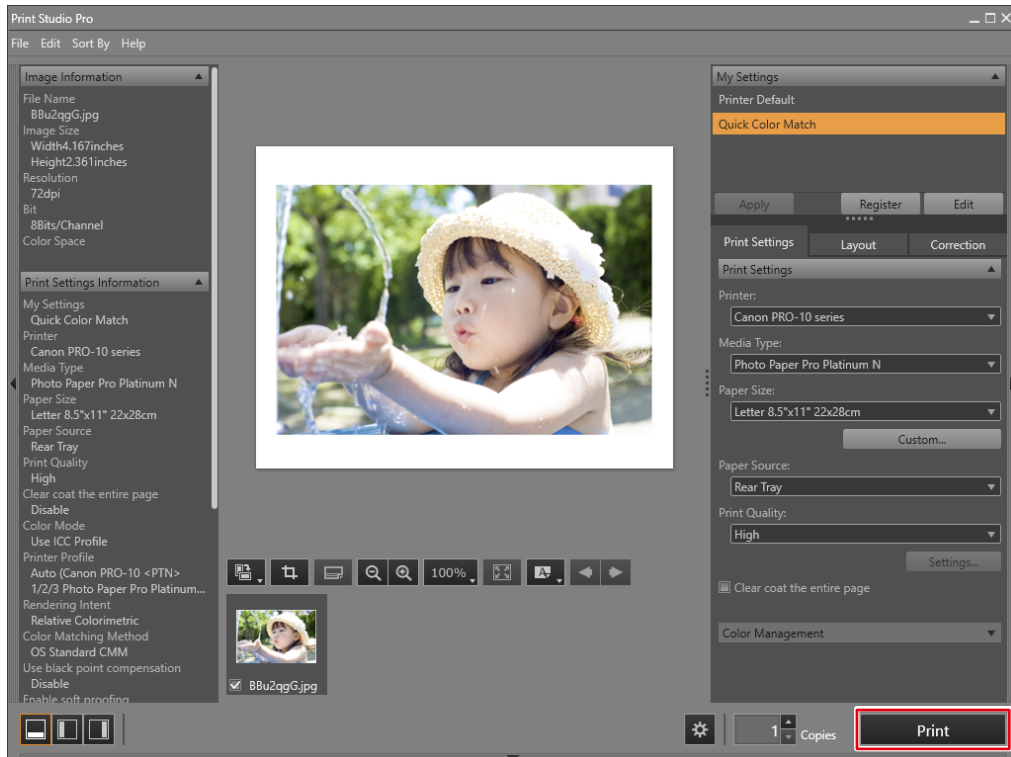




- If you change the Print Studio Pro settings, its "My Settings" selection is changed from "Quick Color Match" to "Custom".
- Color settings are inherited as they are.

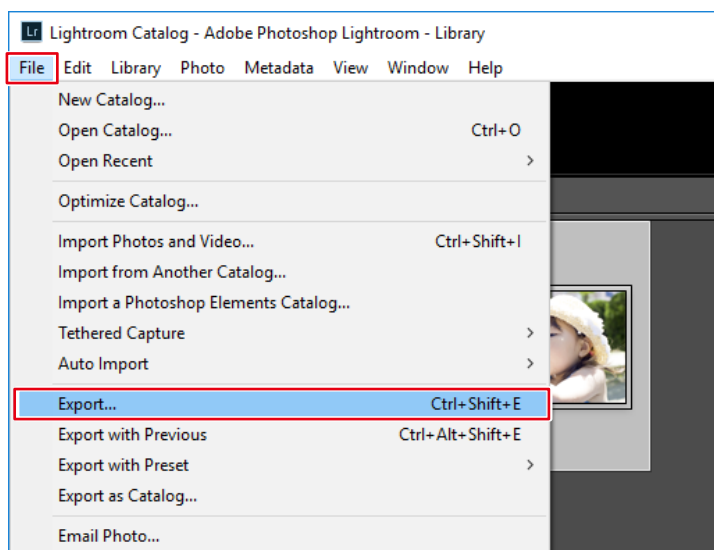


4. Click "Print".

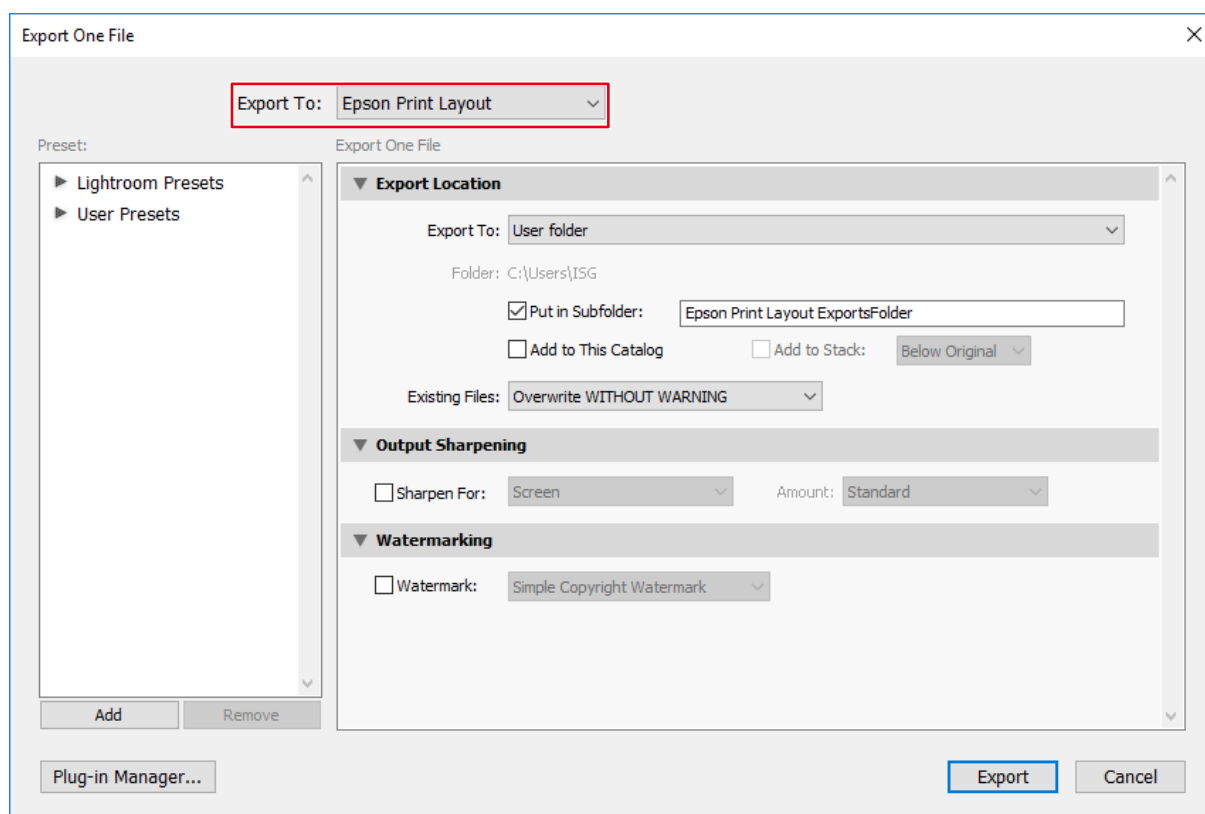


If using Lightroom and an Epson printer

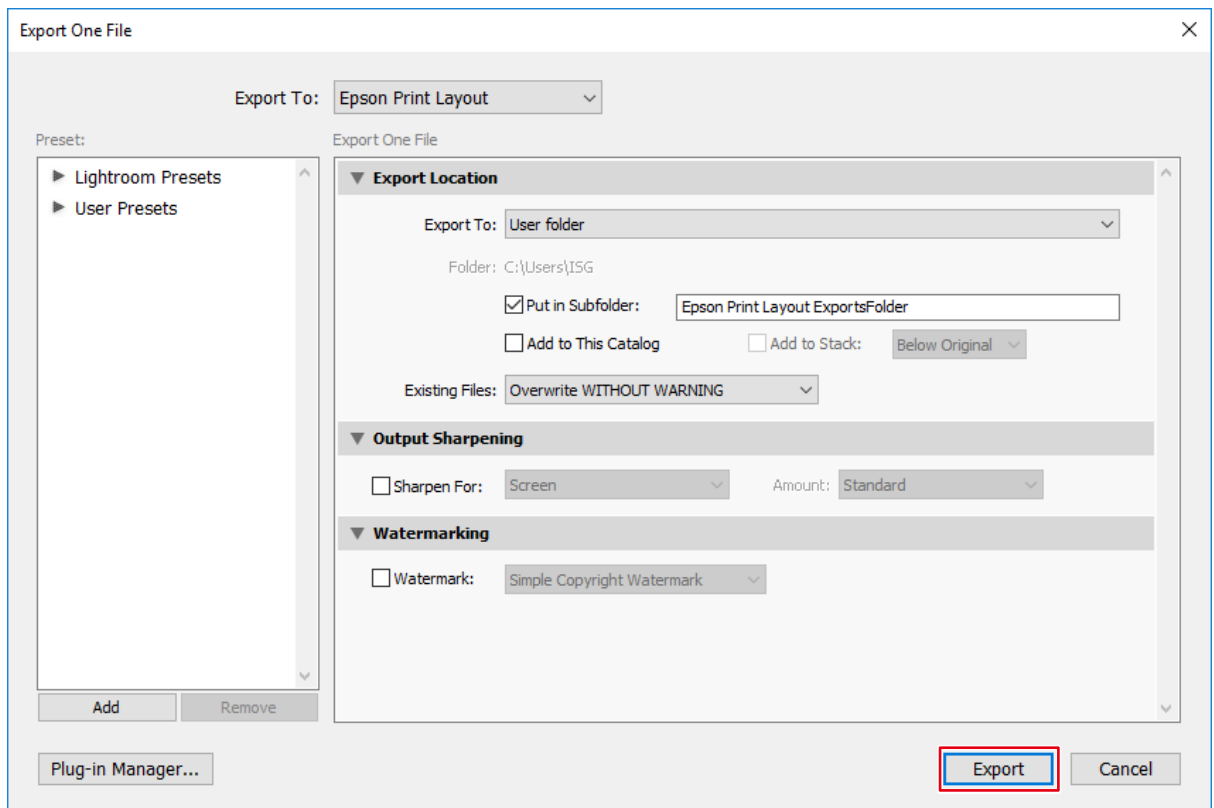
1. Select "File" - "Export".



2. Select "Epson Print Layout" for "Export To".



3. Click "Export".



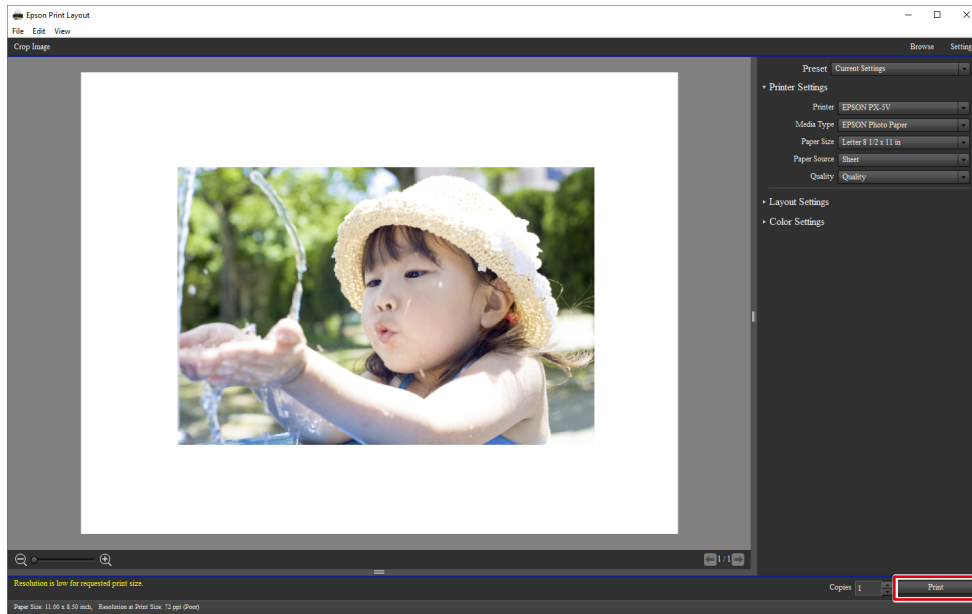
Epson Print Layout starts.

4. Set the Paper Size and Layout Settings.



The “Color Settings” are automatically configured from Quick Color Match, and you do not need to configure them manually.

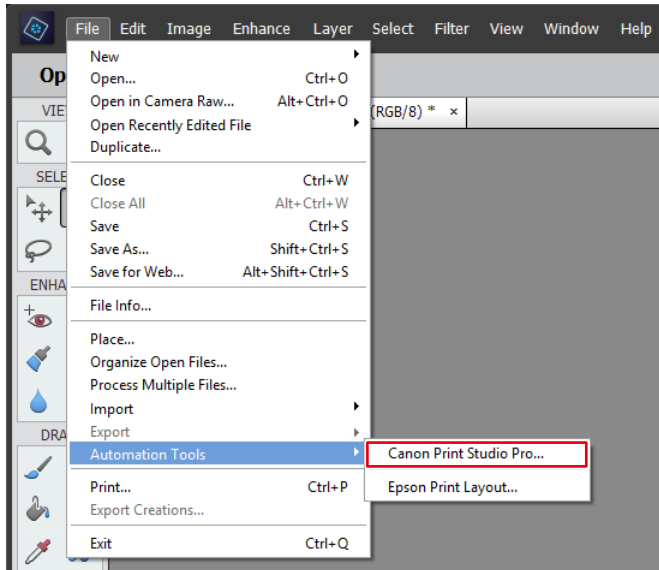
5. Click "Print".



If using Photoshop Elements and a Canon printer

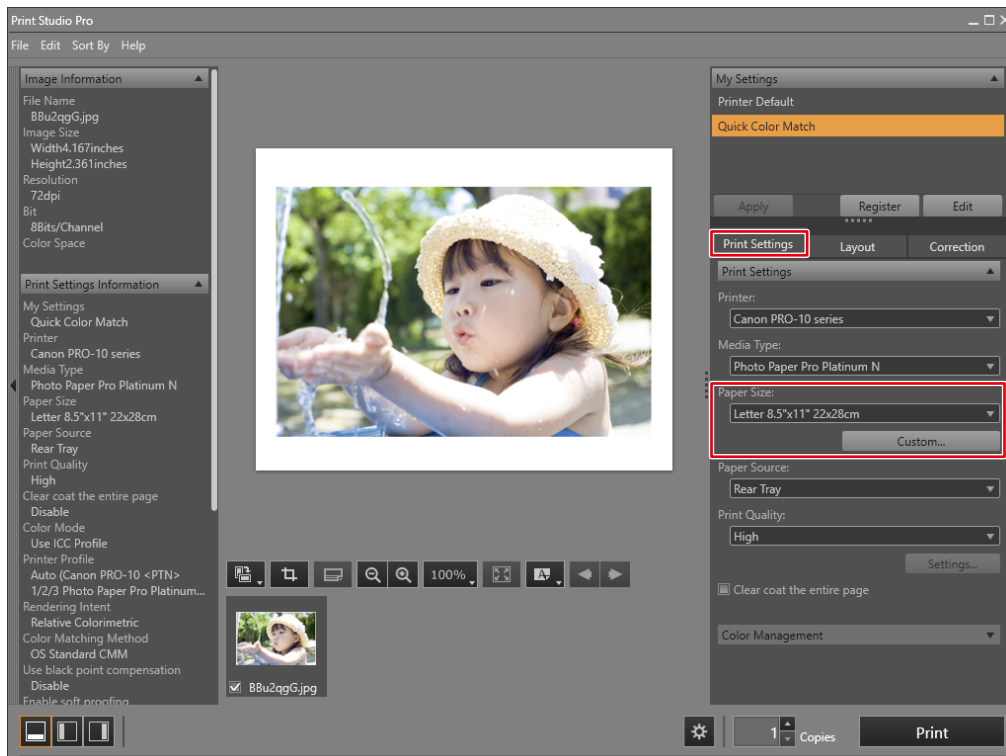
The "Automation Tools" menu is enabled when the edit mode is set to "Expert".

1. Select "File" - "Automation Tools" - "Canon Print Studio Pro".



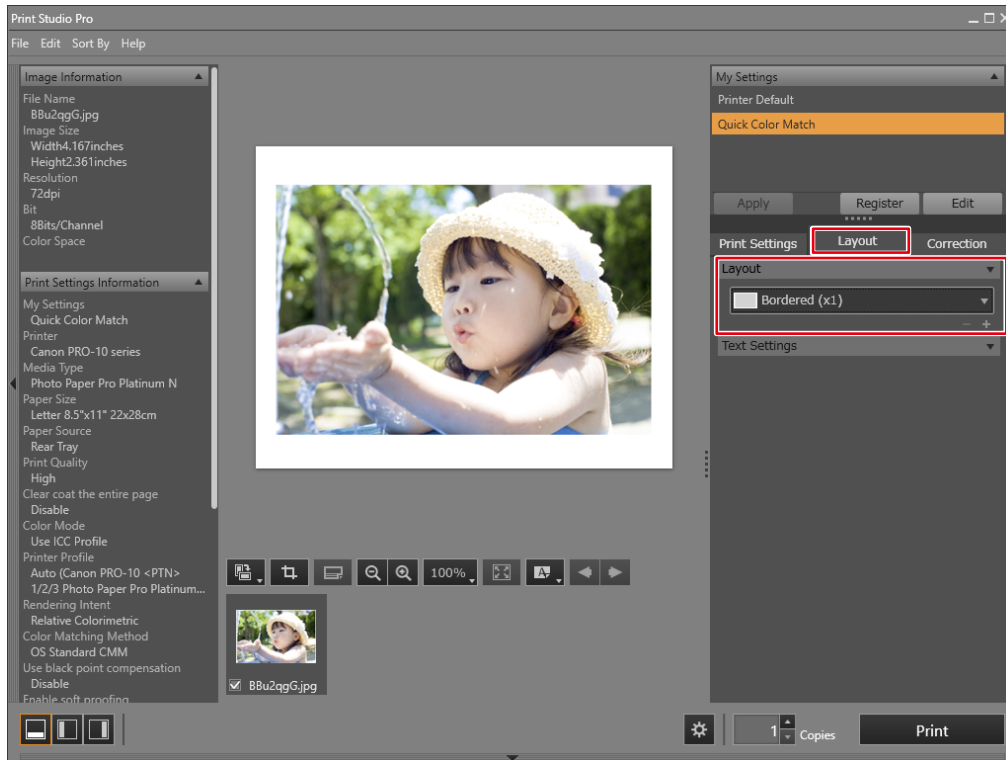
Print Studio Pro starts.

2. Set the Paper Size.

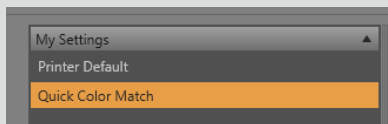


The "Color Management" settings are automatically configured from Quick Color Match, and you do not need to configure them manually.

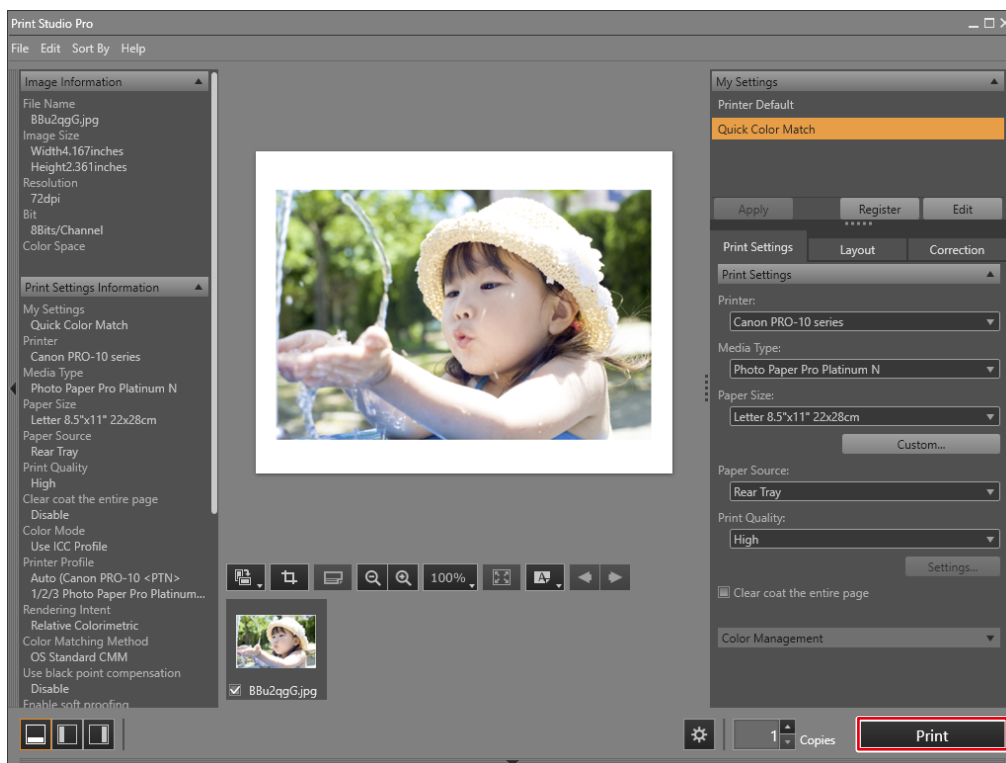
3. Set the Layout.



- If you change the Print Studio Pro settings, its "My Settings" selection is changed from "Quick Color Match" to "Custom".
- Color settings are inherited as they are.



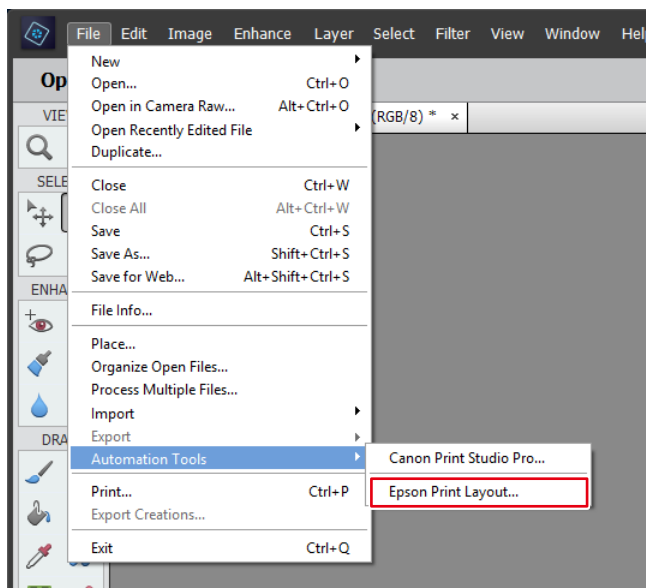
4. Click "Print".



If using Photoshop Elements and an Epson printer

The “Automation Tools” menu is enabled when the edit mode is set to “Expert”.

1. Select "File" - "Automation Tools" - "Epson Print Layout".



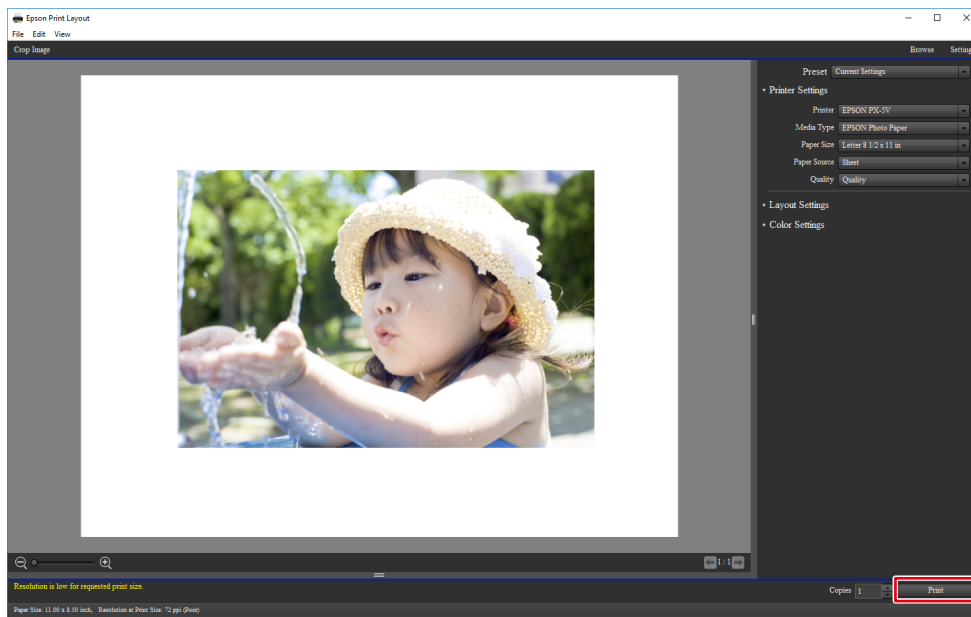
Epson Print Layout starts.

2. Set the Paper Size and Layout Settings.



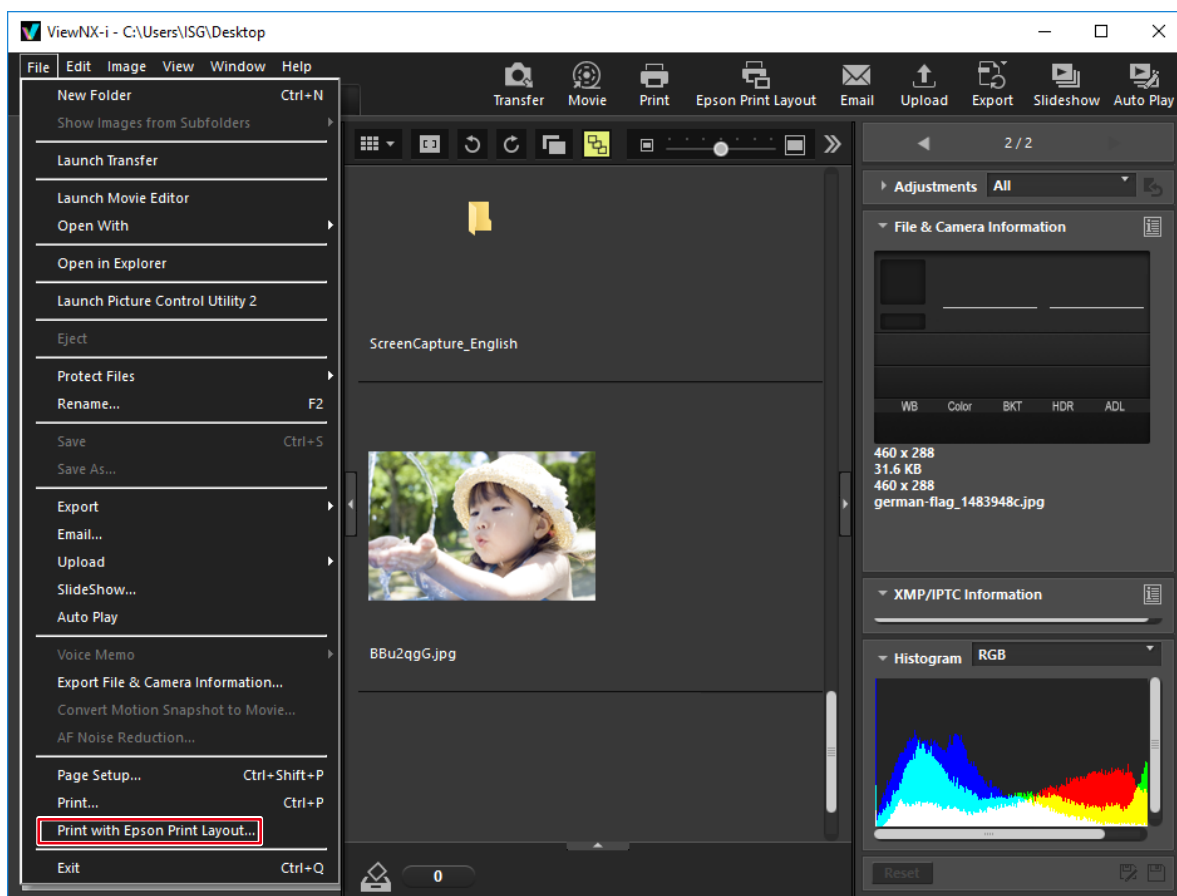
The “Color Settings” are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Click "Print".



If using Nikon ViewNX-i and an Epson printer

1. Select "File" - "Print with Epson Print Layout".



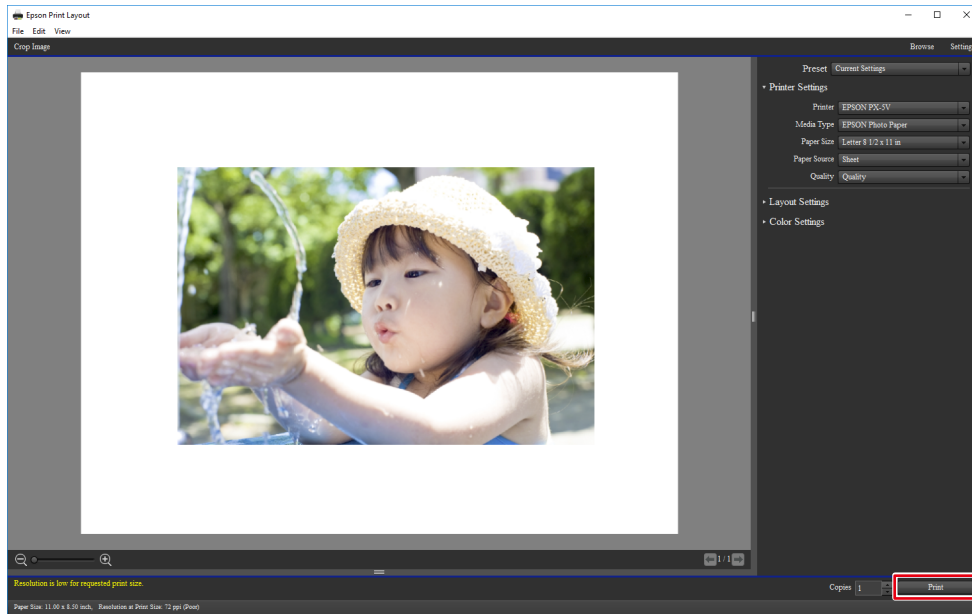
Epson Print Layout starts.

2. Set the Paper Size and Layout Settings.



The "Color Settings" are automatically configured from Quick Color Match, and you do not need to configure them manually.

3. Click "Print".



2-6 Quick Color Match Screen

This section describes the Quick Color Match operation screen.

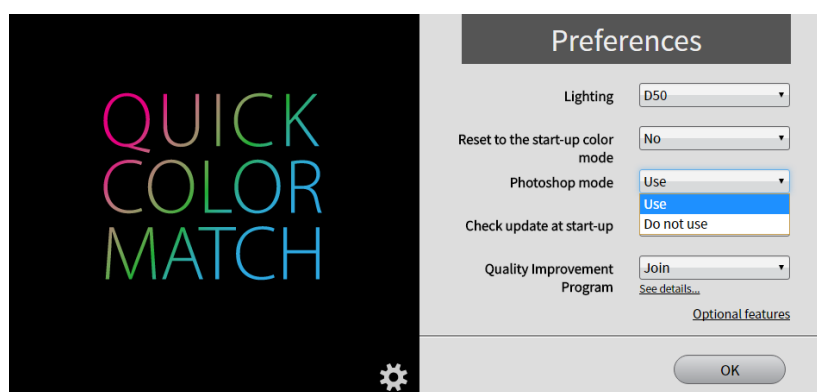
Photoshop mode is enabled by default if Photoshop is installed on your PC. However, if you want to use another type of retouching software other than the Photoshop software installed on your PC, you can disable Photoshop mode.

Switching Photoshop mode



- You can only use Photoshop mode if Photoshop is installed on your PC.
- If Photoshop is not installed on the PC, you cannot use Photoshop mode even when the Photoshop mode is set to "Use".

1. Click .
The Preferences menu appears.
2. Select "Use" or "Do not use" from "Photoshop mode".



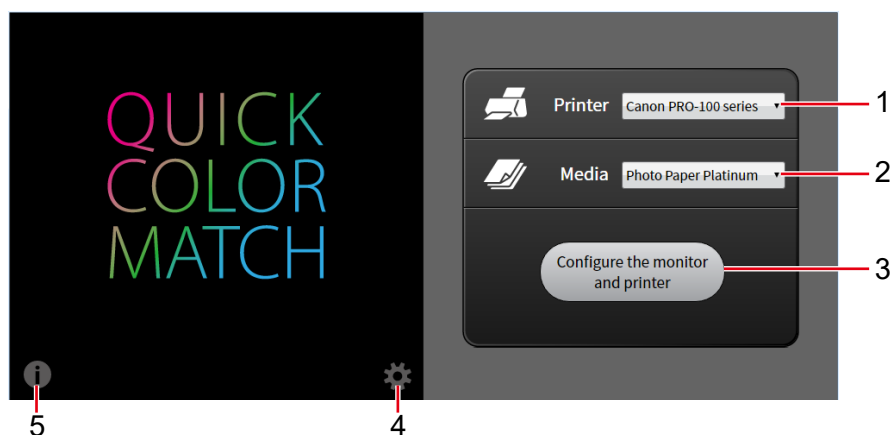
3. Click the [OK] button.

If using Photoshop mode



No.	Item	Description
1	Printer	Select a printer to be used.
2	Media	Select paper to be used.
3	"Drop images here"	Drag and drop your photo data into this box. The monitor, printer, and Photoshop settings are configured at the same time.
4		Displays the Preferences menu.
5		Checks the version number, and displays the User's Manual.

When not using Photoshop mode

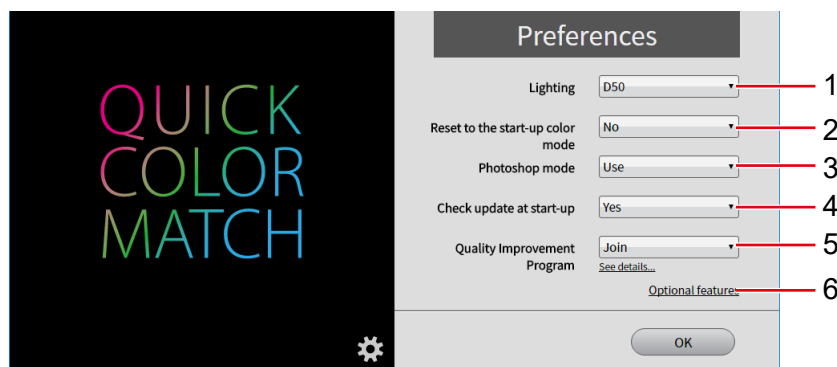


No.	Item	Description
1	Printer	Select a printer to be used.
2	Media	Select paper to be used.
3	Configure the monitor and printer	Configures the monitor and printer settings at the same time.
4		Displays the Preferences menu.
5		Checks the version number, and displays the User's Manual.

2-7 Preferences and Information Display Features of Quick Color Match

This section describes items that can be configured in the Preferences menu of Quick Color Match, and usage of information display features.

To open the Preferences window, click .



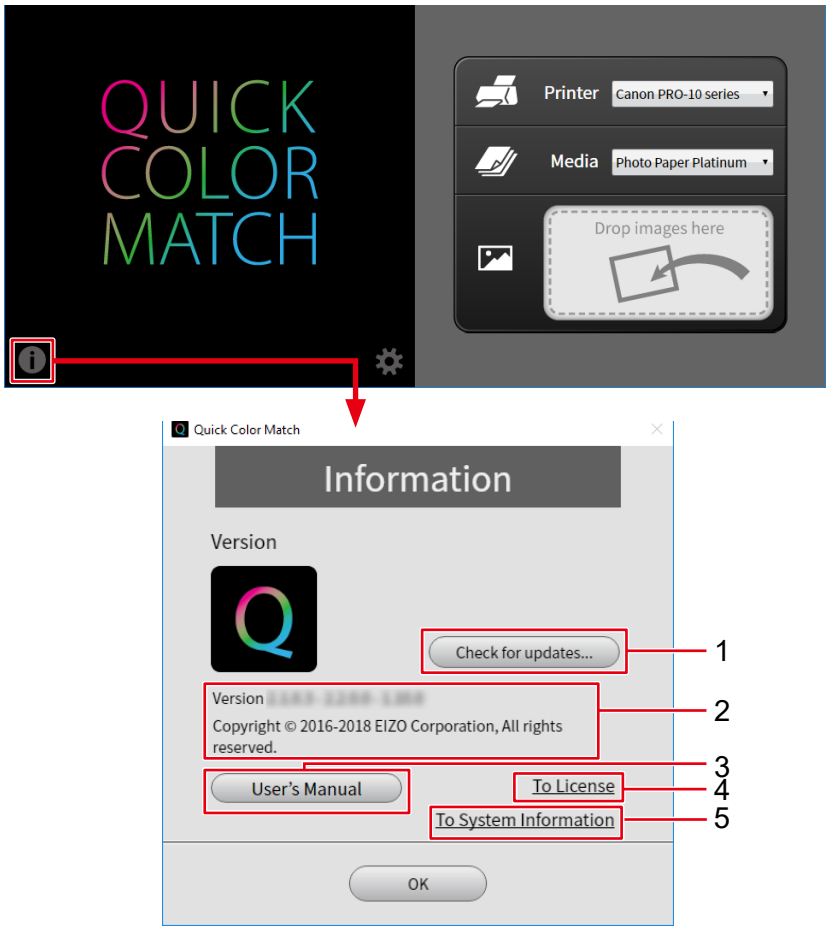
No.	Menu	Setting	Description
1	Lighting	Select the lighting you use.	
		D50 (Default)	Select this if using lighting other than "Z-208", "Z-80pro", "Z-80PRO2", and "Z-208PRO". Use a high rendering light equivalent to 5000K for lighting.
		Z-208	Select this if using "Z-208".
		Z-80 pro	Select this if using "Z-80pro".
		Z-80PRO2	Select this if using "Z-80PRO2".
		Z-208PRO	Select this if using "Z-208PRO".
		FL Lamp 5400 K Ra $\geq$ 90	Select this if using high color rendering lighting (5400 K, Ra $\geq$ 90).
2	Reset to the start-up color mode	Select whether or not to reset the color mode setting of the monitor when exiting Quick Color Match. The color mode of the monitor will change to User mode (User1 mode or Custom mode on models that do not have User mode) when using Quick Color Match. If you do not usually use Custom mode, it is recommended that you select "Yes".	
		Yes	Resets the color mode of the monitor.
		No (Default)	Does not reset the color mode of the monitor.
		Ask every time	Confirm every time when exiting Quick Color Match.
3	Photoshop mode	Select whether to use Photoshop mode.	
		Use (Default)	Select this to display images using Photoshop. Use this mode when Photoshop is installed on your PC. Refer to page 35 for Photoshop mode.
		Do not use	Select this to display images using retouching software other than Photoshop.

No.	Menu	Setting	Description
4	Check update at start-up		Select whether or not to check the update information of Quick Color Match via the Internet.
		Yes (Default)	Checks the update information automatically.
		No	Does not check the update information automatically.
5	Quality Improvement Program		Specify whether or not to join the "Quality Improvement Program".
		Join	Joins the "Quality Improvement Program".
		Do not Join	Does not join the "Quality Improvement Program".
6	Optional features		Displays the Optional features menu. Refer to "2-8 Manual Adjustment Function" on page 67 , "2-9 Calibration Function" on page 72 , "2-10 Adding and Removing Media" on page 77 for more information.



- You can only use Photoshop mode if Photoshop is installed on your PC.
- If Photoshop is not installed on the PC, you cannot use Photoshop mode even when the Photoshop mode is set to "Use".

To display information, click **i**.



No.	Item	Description
1	Check for updates...	Checks for the latest version of the software. The notification window appears if an update is available.
2	Version	Displays version information.
3	User's Manual	Displays User's Manual (this document).
4	To License	Displays the license information.
5	To System Information	Displays system information.

2-8 Manual Adjustment Function

The manual adjustment function enables the brightness and white point of the monitor to be adjusted.

This function is useful when brightness or colors between the monitor and paper do not match even after the position and height of lighting have been adjusted.

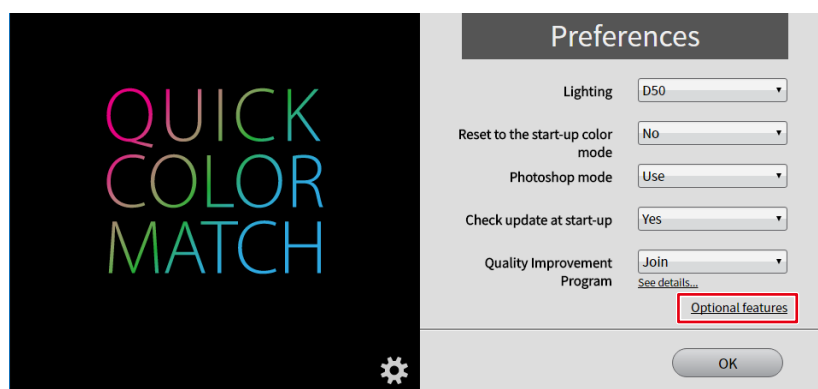


The manual adjustment function manually sets the white point corresponding to paper.

After carrying out the manual settings, you must print data by performing the procedure provided in [“2-5 Basic Operations of Quick Color Match” on page 35](#).

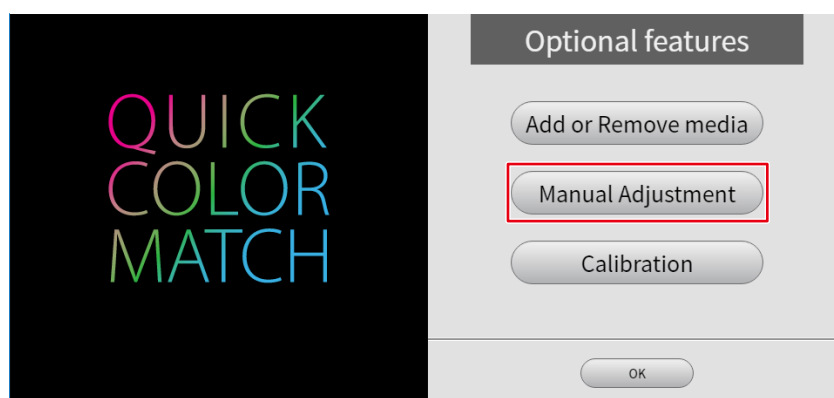
1. Click .
The Preferences menu appears.

2. Click "Optional features".



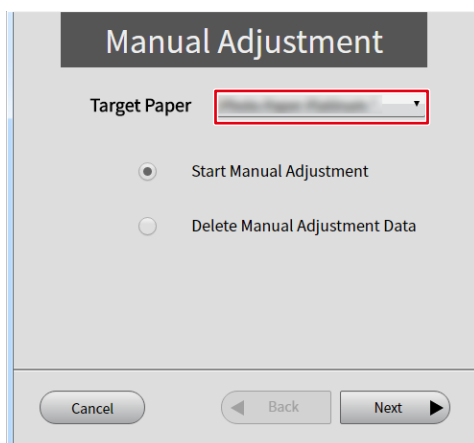
The Optional features menu appears.

3. Click "Manual Adjustment".



The Manual Adjustment menu appears.

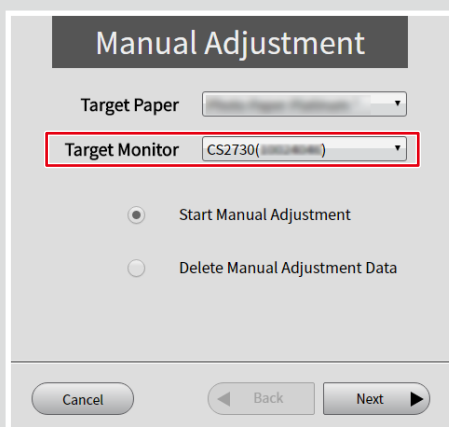
4. From "Target Paper", select the paper you are using for printing.



The image shows a 'Manual Adjustment' dialog box. At the top, the title 'Manual Adjustment' is in a dark header. Below it, the 'Target Paper' dropdown menu is highlighted with a red rectangle. Underneath, there are two radio buttons: 'Start Manual Adjustment' (which is selected) and 'Delete Manual Adjustment Data'. At the bottom, there are three buttons: 'Cancel', 'Back', and 'Next'.

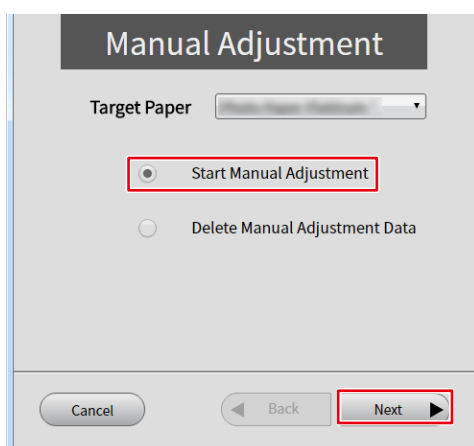


- When multiple target monitors are connected, select the monitor to be adjusted from "Target Monitor".



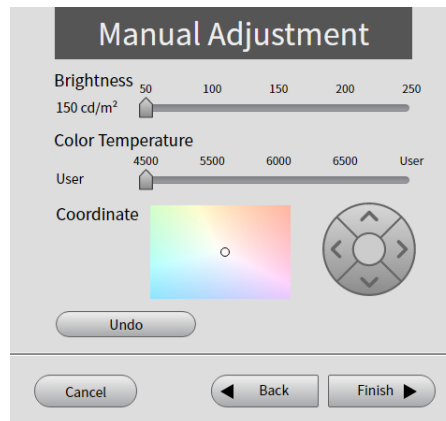
The image shows the 'Manual Adjustment' dialog box again. This time, the 'Target Monitor' dropdown menu is highlighted with a red rectangle, showing 'CS2730()'. The 'Start Manual Adjustment' radio button remains selected. The 'Back' and 'Next' buttons are visible at the bottom.

5. Select "Start Manual Adjustment" then click "Next".



The image shows the 'Manual Adjustment' dialog box. The 'Start Manual Adjustment' radio button is now highlighted with a red rectangle. The 'Next' button at the bottom right is also highlighted with a red rectangle.

6. Set each adjustment item.



- **Brightness**
Adjust the monitor brightness using the slider.
The larger the brightness value, the brighter the screen becomes.
- **Color Temperature**
Adjust the white point of the monitor using the slider.
The smaller the color temperature value, the more reddish the white color becomes. On the other hand, the larger the value, the more bluish the white color becomes.
Operating the slider moves ○ of "Coordinate" to a position corresponding to the color temperature.
- **Coordinate**
The Coordinate is used to adjust the white point of the monitor.
Specify the Coordinate by dragging ○ indicating the current position of the white point or by using .
Operating the Coordinate moves the "Color Temperature" slider to the "User" position.



Clicking "Undo" resets each adjustment item to the previous value.

7. When your adjustment is complete, click "Finish".

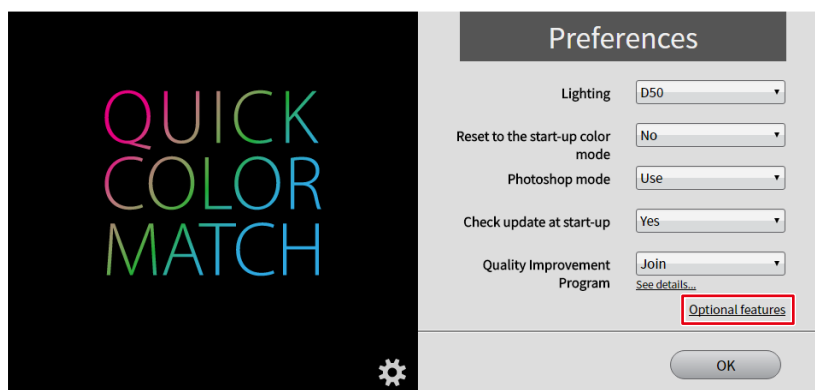


See Also

▶▶ ["3-6 Colors Do Not Match" on page 82](#)

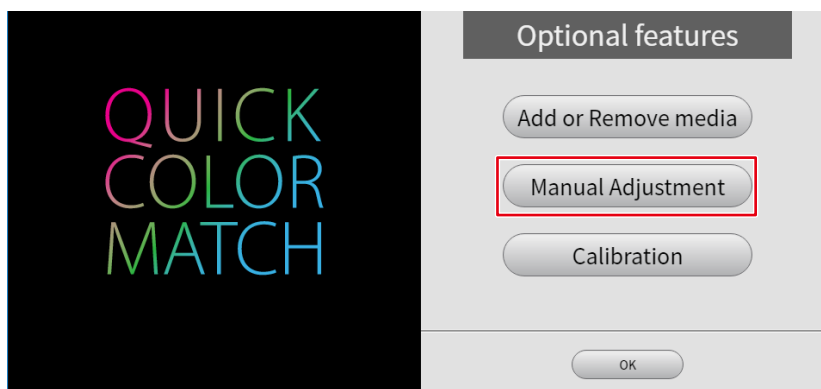
To delete manual adjustment data

1. Click .
The Preferences menu appears.
2. Click "Optional features".



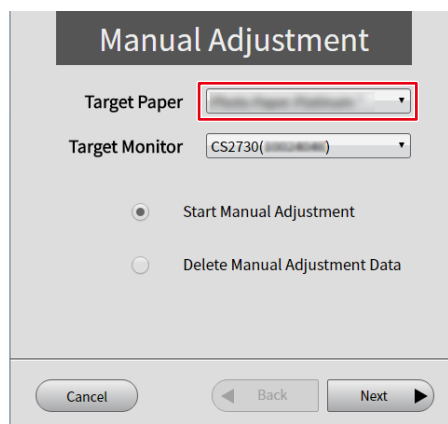
The Optional features menu appears.

3. Click "Manual Adjustment".



The Manual Adjustment menu appears.

4. From "Target Paper", select paper whose manual adjustment data you want to delete.





- When multiple target monitors are connected, select the monitor to be adjusted from “Target Monitor”.

Manual Adjustment

Target Paper

Target Monitor

☒ Start Manual Adjustment

☐ Delete Manual Adjustment Data

Cancel Back Next

5. Select "Delete Manual Adjustment Data" then click "Next".

Manual Adjustment

Target Paper

☐ Start Manual Adjustment

☒ Delete Manual Adjustment Data

Cancel Back Next

6. Click "Yes".

Manual Adjustment

Quick Color Match

Delete manual adjustment data of [Target Paper Name].

Are you sure? You cannot undo this operation.

Yes No

Cancel Back Finish

The manual adjustment data is deleted.

2-9 Calibration Function



The ColorEdge series monitors are adjusted one by one at each color value (0 to 255) for each of RGB color components in the factory. Usually it is not necessary, but use this function only when colors start to deteriorate as the monitor is used for an extended period of time.

As time elapses, the monitor screen is gradually getting dark and the colors change.

The calibration function of Quick Color Match corrects monitor deterioration over time.

An internal sensor built-in model or an external sensor (a measurement device) is required to use the calibration function. Refer to [“Operating Environment for Quick Color Match” on page 105](#) for compatible measurement devices.

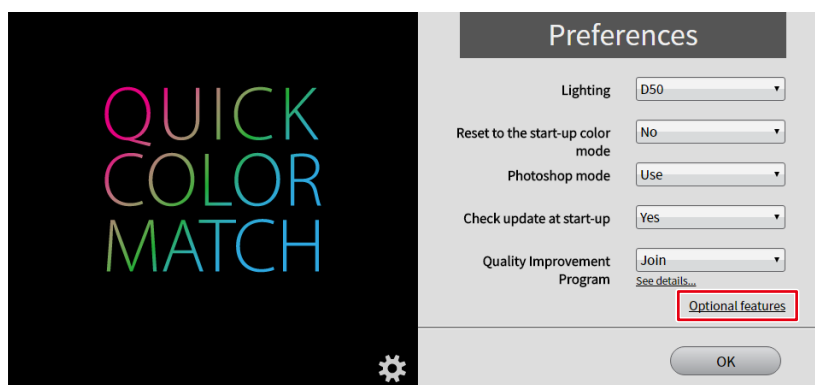


If you use an external sensor (a measurement device), connect the USB cable to the device in advance.



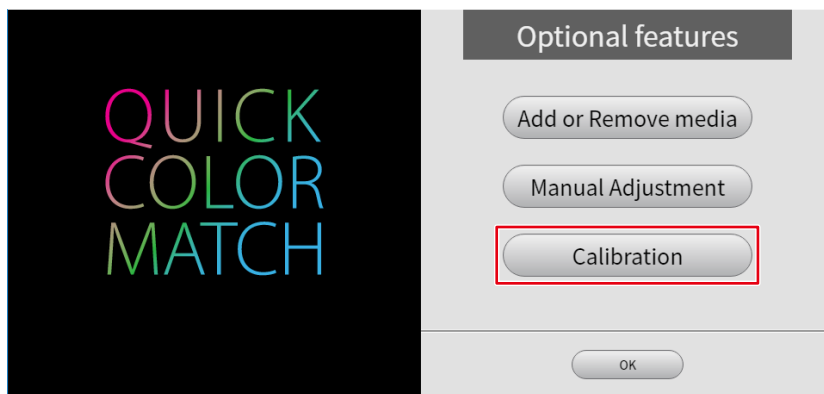
To restore the state of the monitor deterioration before it was corrected (before you used the calibration function), delete the calibration data by referring to [“To delete calibration data” on page 75](#).

1. Click .
The Preferences menu appears.
2. Click "Optional features".



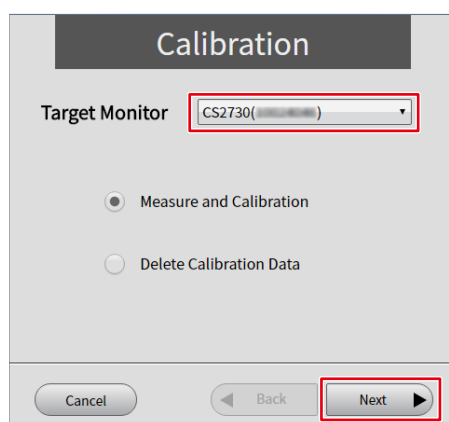
The Optional features menu appears.

3. Click "Calibration".

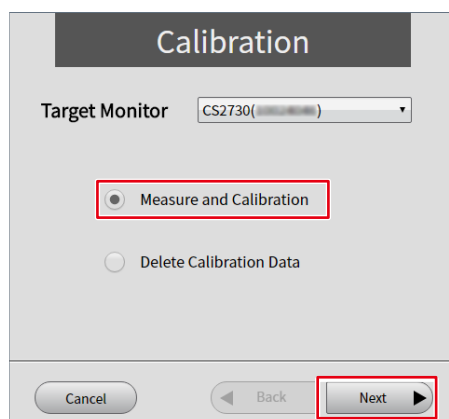


The Calibration menu appears.

4. From "Target Monitor", select the monitor to be calibrated.



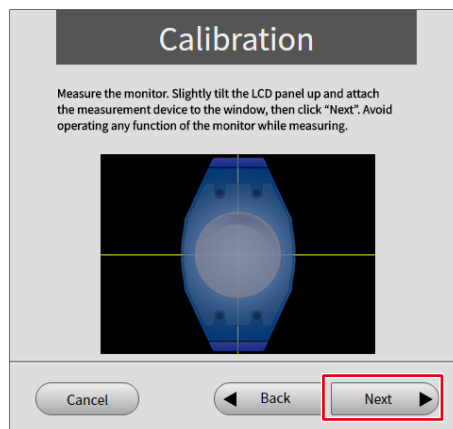
5. Select "Measure and Calibration" then click "Next".



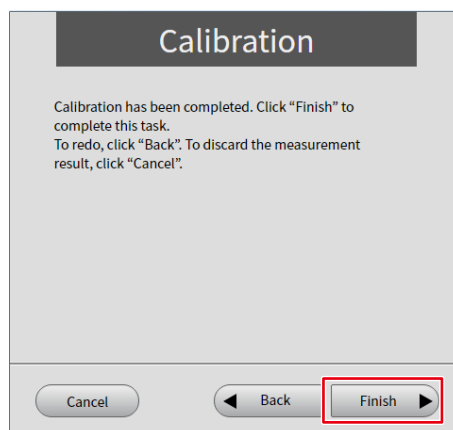
6. Select the "Measurement device" you use then click "Next".



7. Install the measurement device, and click "Next".
If using a built-in calibration sensor, click "Next" without taking any other actions.



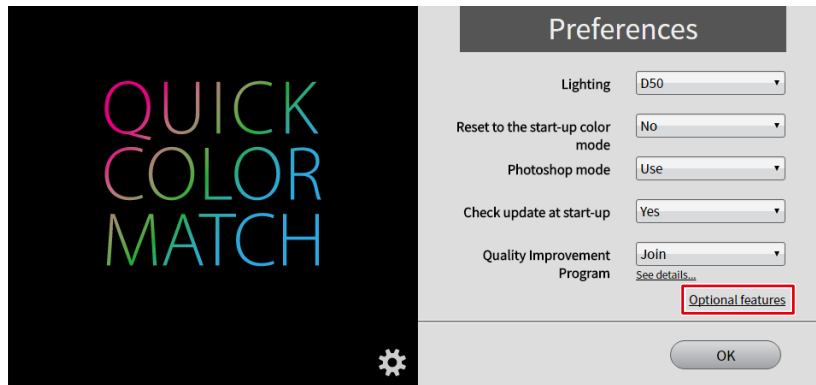
The monitor calibration process starts automatically.
When the calibration process is complete, a message appears.



8. Click "Finish".

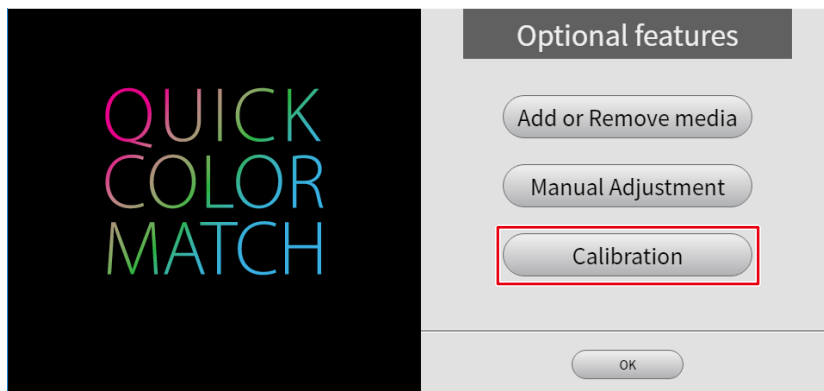
To delete calibration data

1. Click .
The Preferences menu appears.
2. Click "Optional features".

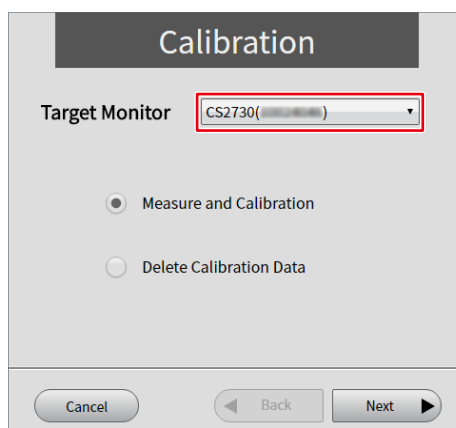


The Optional features menu appears.

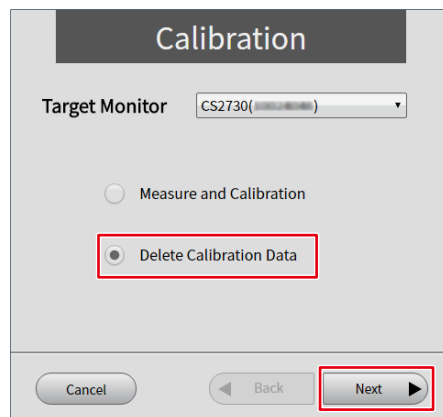
3. Click "Calibration".



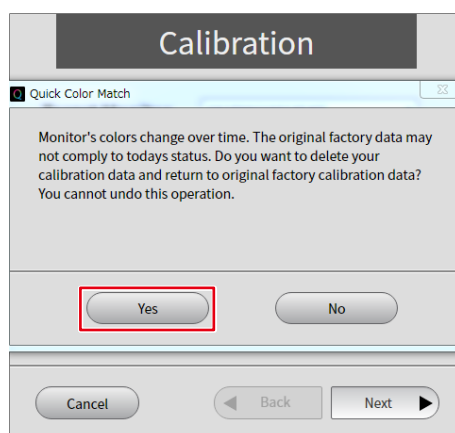
4. From "Target Monitor", select the monitor from which to delete calibration data.



5. Select "Delete Calibration Data" then click "Next".



6. Click "Yes".



The calibration data is deleted.

2-10 Adding and Removing Media

Add media

Paper types for Quick Color Match can be added. In addition to Canon and Epson genuine paper, various paper data can be downloaded to use.



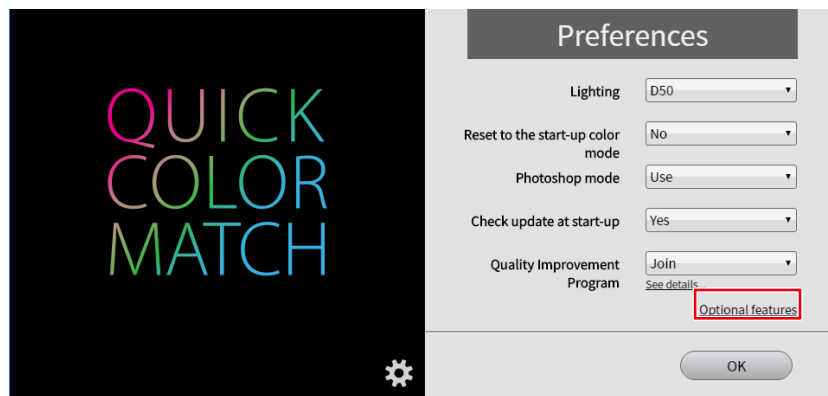
Compatible paper differs depending on the printer used.

Internet connection is necessary to add paper types.

For information about latest compatible papers, visit the following our web site:

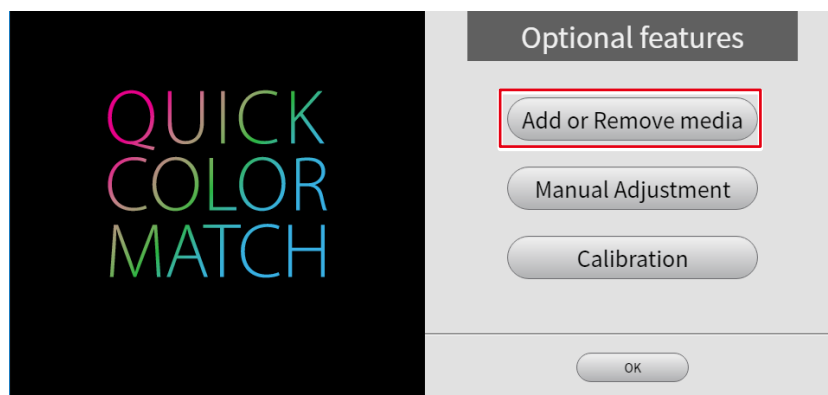
www.eizoglobal.com/i/qcm-paper

1. Click .
The Preferences menu appears.
2. Click "Optional features".



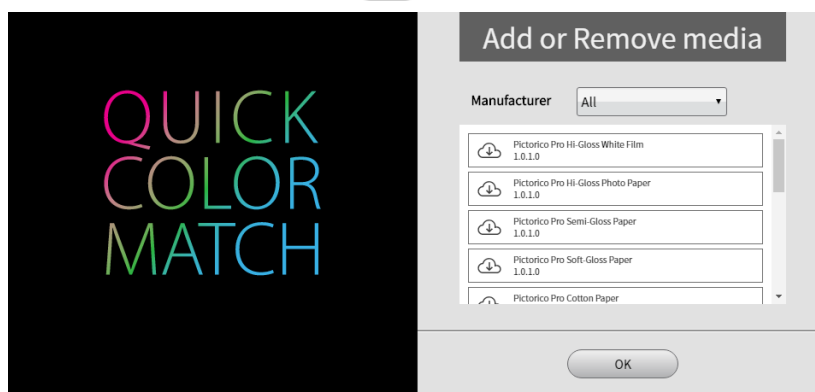
The Optional features menu appears.

3. Click "Add or Remove media".



The list of paper appears.

4. Select the paper to add and click .

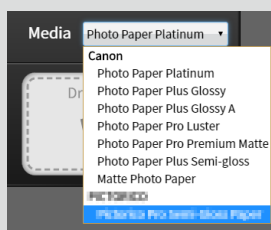


Download of the selected paper data starts.

When the “Software License Agreement” appears, click “Accept and Install”.



The paper is added and can be selected in the list.

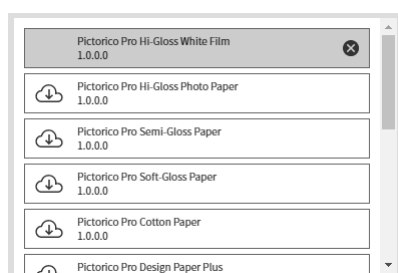


The paper data added are automatically updated.

Remove media

After downloading data, the paper added can be removed.

1. Select the paper to remove and click .



The paper is removed.

Troubleshooting

Read this section if you have a problem while using Quick Color Match.

3-1	Uninstalling Quick Color Match	80
3-2	Quick Color Match Cannot be Installed.....	81
3-3	Photoshop Cannot be Properly Configured from Quick Color Match	81
3-4	Using Retouching Software Other Than Photoshop.....	81
3-5	The print assistant software that should have been installed cannot be set from the retouching software.	81
3-6	Colors Do Not Match	82
	Brightness does not match between the monitor and paper.....	82
	The color temperature of the monitor does not match the paper color	85
3-7	An Error Message Appears When Quick Color Match Starts.....	88
3-8	An Error Message Appears While Quick Color Match is Running	95

3-1 Uninstalling Quick Color Match



- You must have administrator rights of the PC to uninstall Quick Color Match. Uninstall the software using a user account that has administrator rights.
- If you try to uninstall it as a user without administrator rights, an administrator password will be required. Confirm the password in advance.
- To set administrator rights on the PC, refer to the User's Manual or other documents for the PC.

Windows 10

1. Select the "Start" button - "Set" - "System" - "Apps & features".

The list of installed software appears.

2. Select "Quick Color Match" from the list then click "Uninstall".
3. Follow the on-screen instructions to uninstall the software.

Windows 8.1

1. Click Ⓣ in the lower part of the Start screen.

The App screen appears.

2. Select "Windows System" - "Control Panel" - "Programs" - "Uninstall a program".
The list of installed software appears.
3. Select "Quick Color Match" from the list then click "Uninstall".
4. Follow the on-screen instructions to uninstall the software.

Windows 7

1. Select "Start" button - "Control Panel" - "Programs" - "Uninstall a program".
The list of installed software appears.
2. Select "Quick Color Match" from the list then click "Uninstall".
3. Follow the on-screen instructions to uninstall the software.

Mac

1. From Finder - "Applications", move the "Quick Color Match" to the recycle bin.

3-2 Quick Color Match Cannot be Installed

Corrective action

Check whether your PC satisfies the operating conditions of Quick Color Match.

For the operating conditions of Quick Color Match, refer to [“Operating Environment for Quick Color Match” on page 105](#).

3-3 Photoshop Cannot be Properly Configured from Quick Color Match

Corrective action

Check the following points.

- Is the Photoshop version not supported?
Check whether the version of Photoshop you are using is supported by Quick Color Match. For information about supported Photoshop versions, refer to [“Operating Environment for Quick Color Match” on page 105](#).

- Are two or more versions of Photoshop installed?

If multiple versions of Photoshop are installed, the following problems may occur:

- Quick Color Match fails to set up Photoshop.
- Only the older version of Photoshop starts.

Only install a single version of Photoshop, or retry your operation after exiting all versions of Photoshop. If Photoshop CC 2014 or later version does not start, reinstall Photoshop.

3-4 Using Retouching Software Other Than Photoshop

Corrective action

Set Quick Color Match not to use Photoshop mode even if Photoshop is installed on your PC.

Refer to [“2-7 Preferences and Information Display Features of Quick Color Match” on page 64](#) for Photoshop mode setting.

3-5 The print assistant software that should have been installed cannot be set from the retouching software.

Corrective action

If retouching software has been reinstalled or upgraded, it lost association with print assistant software.

Reinstall the print assistant software.

3-6 Colors Do Not Match

Colors may appear differently when affected by ambient lights. Perform your operation in the following environment optimized for the color matching process.

Ideal environment

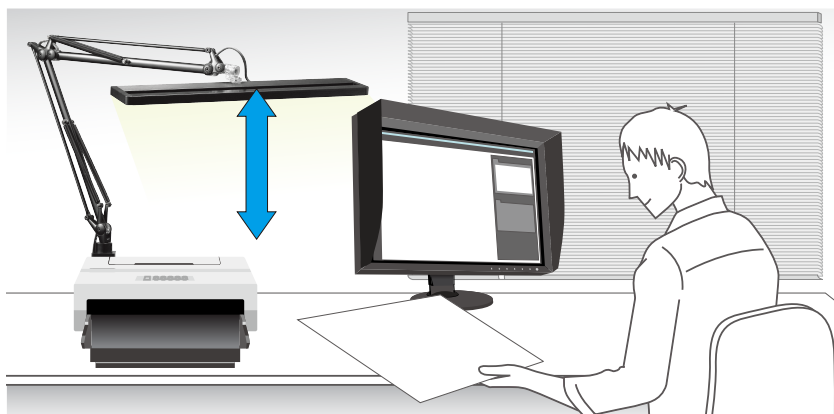
- Allows you to check printed matter under a high color rendering light of 5000 K.
- Does not mix multiple illuminating lights.
- Uses achromatic color for wall surfaces, etc.
- Blocks reflection of light onto the monitor by using the monitor hood.



Brightness does not match between the monitor and paper

<If the height of the lights can be adjusted>

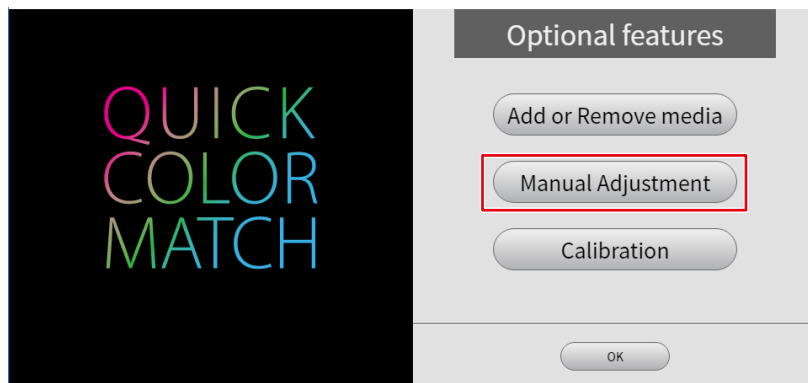
1. Adjust the height of lighting so that the brightness of paper may match that of the monitor.



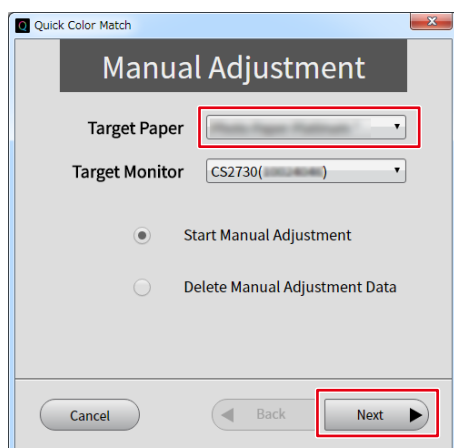
<If the height of lighting cannot be adjusted>

If you cannot adjust the height of lighting, adjust the brightness of the monitor by using manual adjustment function to match it with the brightness of paper.

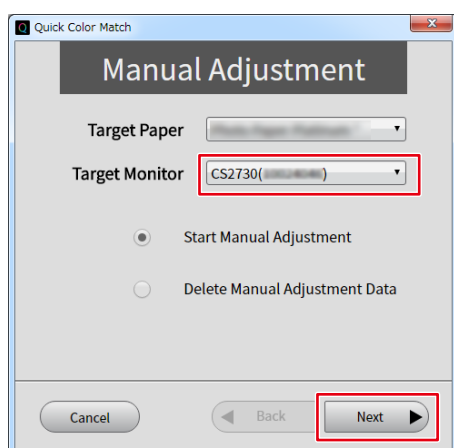
1. From the Preferences menu of Quick Color Match, select "Optional features" then click "Manual Adjustment".



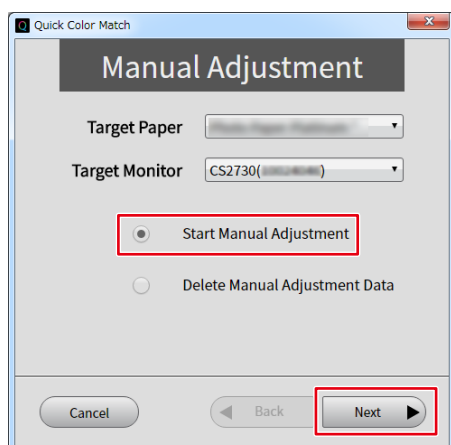
2. From "Target Paper", select the paper you are using for printing.



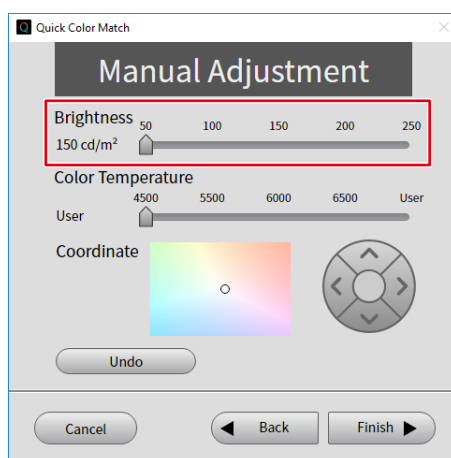
3. From "Target Monitor", select the monitor you are using.



4. Select "Start Manual Adjustment" then click "Next".



5. Adjust "Brightness" so that the brightness of the monitor may match that of paper.



6. When your adjustment is complete, click "Finish".

Perform color matching again via the usual operation.



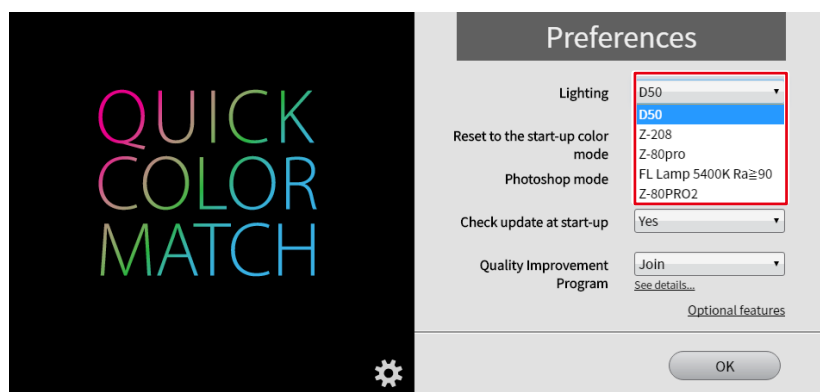
The results of color adjustment using Quick Color Match are saved in User mode of the monitor (saved in User1 mode or Custom mode on models that do not have User mode). Adjust the brightness without changing the mode.



Color mode switch button
Do not touch!

The color temperature of the monitor does not match the paper color

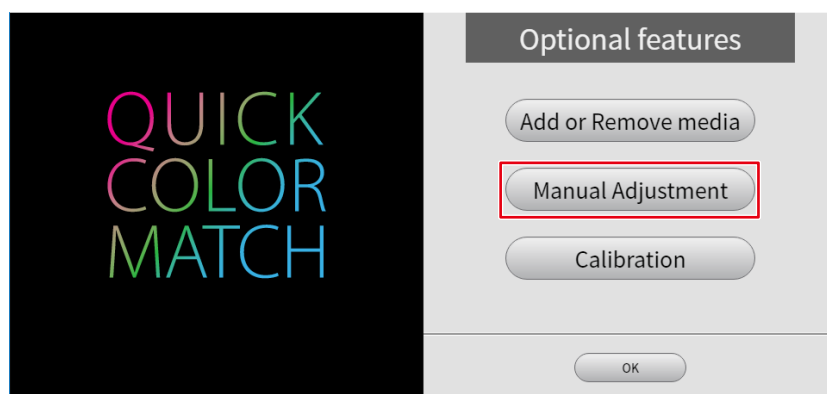
1. **Change ambient light so that it is closer to the ideal one as much as possible.**
 - Only use a high color rendering lighting equivalent to 5000 K of color temperature.
 - Do not apply other lights to the printed matter.
2. **Open Preferences of Quick Color Match, and from "Lighting", select the lighting you use.**

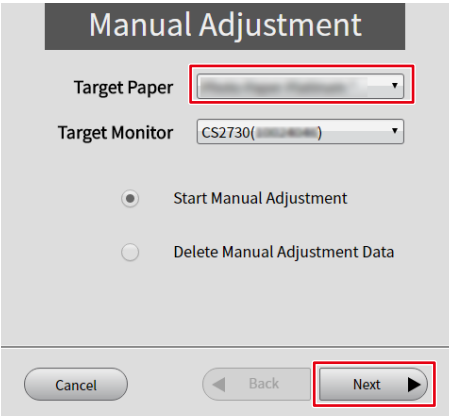


<If the color still does not match>

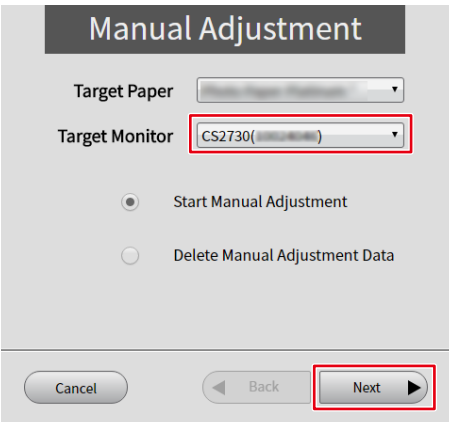
If the color still does not match even after the lighting has been configured correctly, adjust the color temperature of the monitor using the manual adjustment function.

1. **From the Preferences menu of Quick Color Match, select "Optional features" then click "Manual Adjustment".**

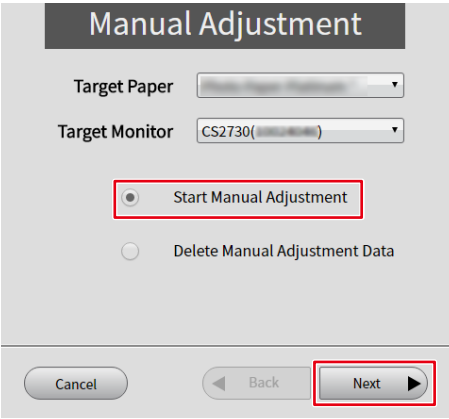


2. From "Target Paper", select the paper you are using for printing.

The screenshot shows the 'Manual Adjustment' screen. At the top is a dark header with the text 'Manual Adjustment'. Below it, there are two dropdown menus: 'Target Paper' and 'Target Monitor'. The 'Target Paper' dropdown is highlighted with a red rectangle. Below the dropdowns are two radio buttons: 'Start Manual Adjustment' (which is selected) and 'Delete Manual Adjustment Data'. At the bottom of the screen are three buttons: 'Cancel', 'Back' (with a left arrow), and 'Next' (with a right arrow). The 'Next' button is highlighted with a red rectangle.

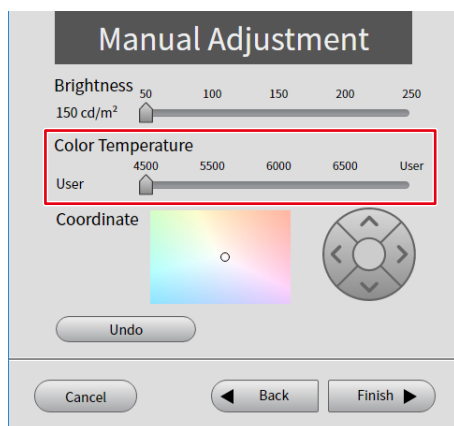
3. From "Target Monitor", select the monitor you are using.

The screenshot shows the 'Manual Adjustment' screen. At the top is a dark header with the text 'Manual Adjustment'. Below it, there are two dropdown menus: 'Target Paper' and 'Target Monitor'. The 'Target Monitor' dropdown is highlighted with a red rectangle. Below the dropdowns are two radio buttons: 'Start Manual Adjustment' (which is selected) and 'Delete Manual Adjustment Data'. At the bottom of the screen are three buttons: 'Cancel', 'Back' (with a left arrow), and 'Next' (with a right arrow). The 'Next' button is highlighted with a red rectangle.

4. Select "Start Manual Adjustment" then click "Next".

The screenshot shows the 'Manual Adjustment' screen. At the top is a dark header with the text 'Manual Adjustment'. Below it, there are two dropdown menus: 'Target Paper' and 'Target Monitor'. Below the dropdowns are two radio buttons: 'Start Manual Adjustment' (which is selected) and 'Delete Manual Adjustment Data'. The 'Start Manual Adjustment' radio button is highlighted with a red rectangle. At the bottom of the screen are three buttons: 'Cancel', 'Back' (with a left arrow), and 'Next' (with a right arrow). The 'Next' button is highlighted with a red rectangle.

5. Adjust "Color Temperature" or "Coordinate" so that the color temperature of the screen matches the paper color.



6. When your adjustment is complete, click "Finish".

Perform color matching again via the usual operation.



The results of color adjustment using Quick Color Match are saved in User mode of the monitor (saved in User1 mode or Custom mode on models that do not have User mode). Adjust the color temperature without changing the mode.



Color mode switch button
Do not touch!



See Also

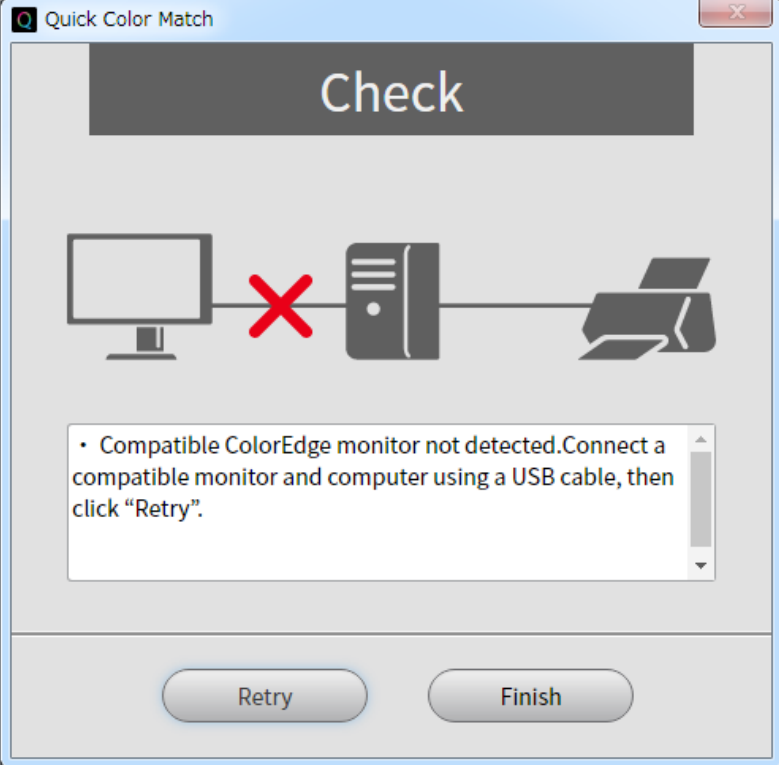
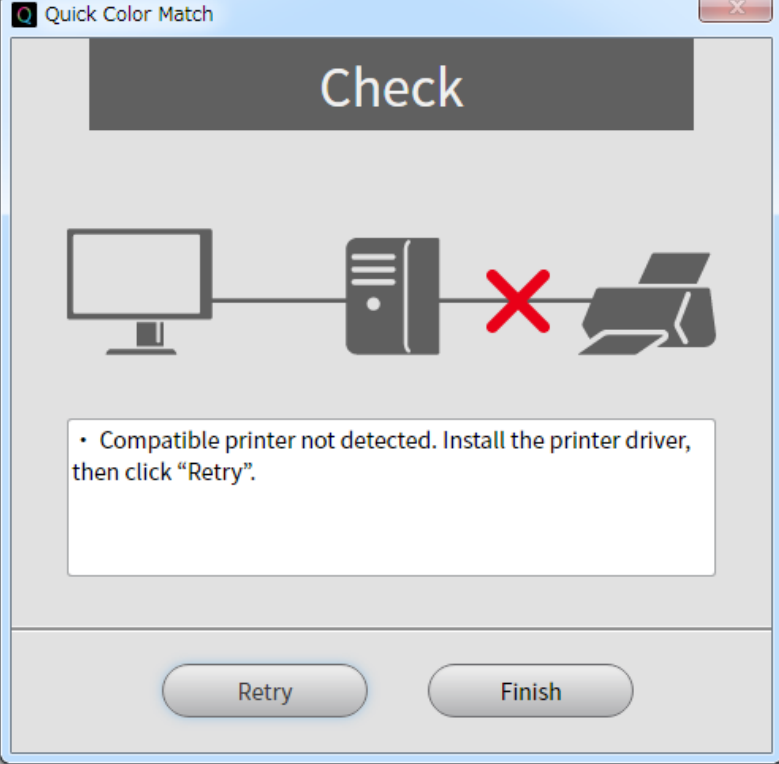
▶▶ ["2-8 Manual Adjustment Function" on page 67](#)

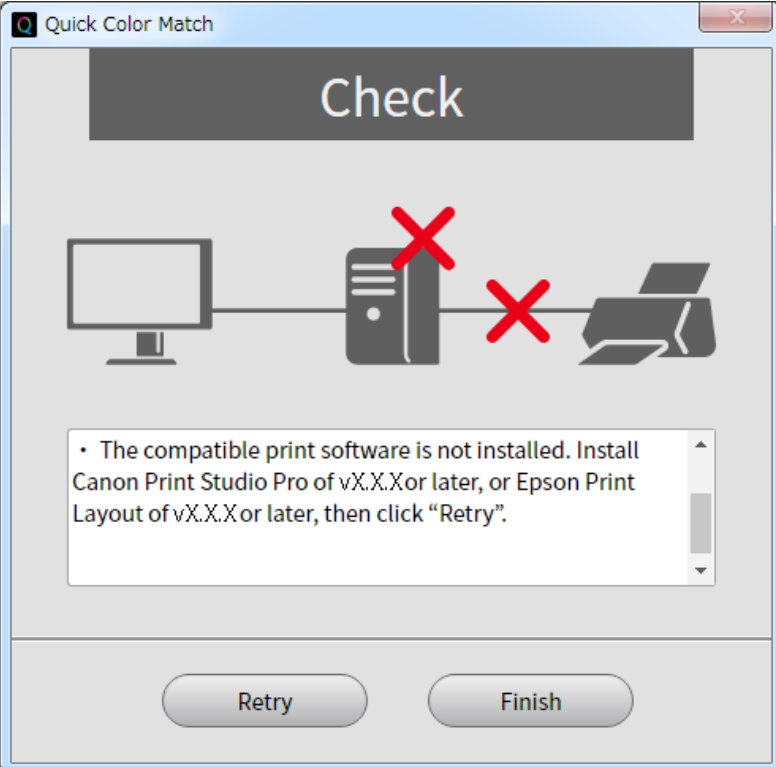
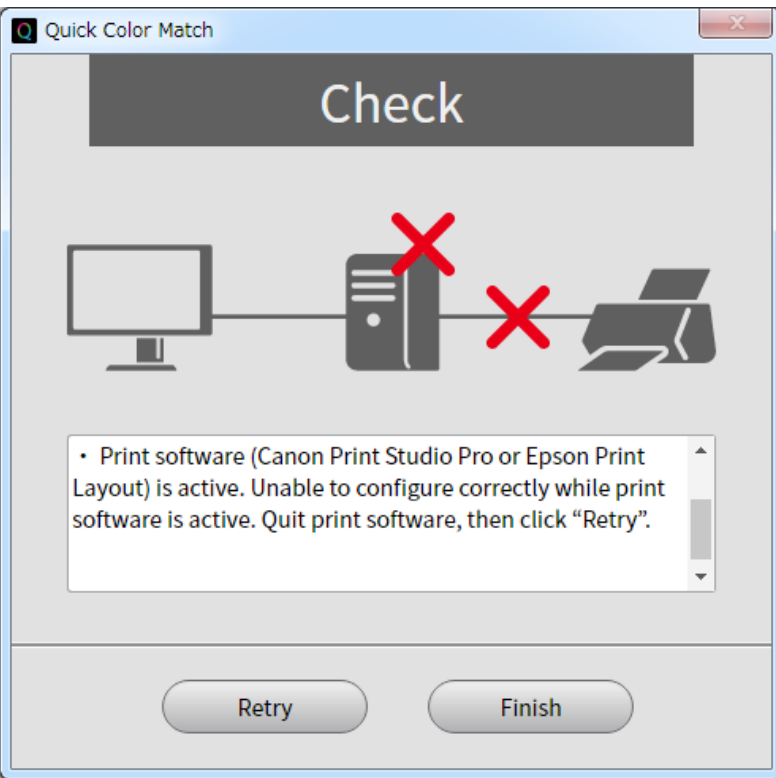
3-7 An Error Message Appears When Quick Color Match Starts

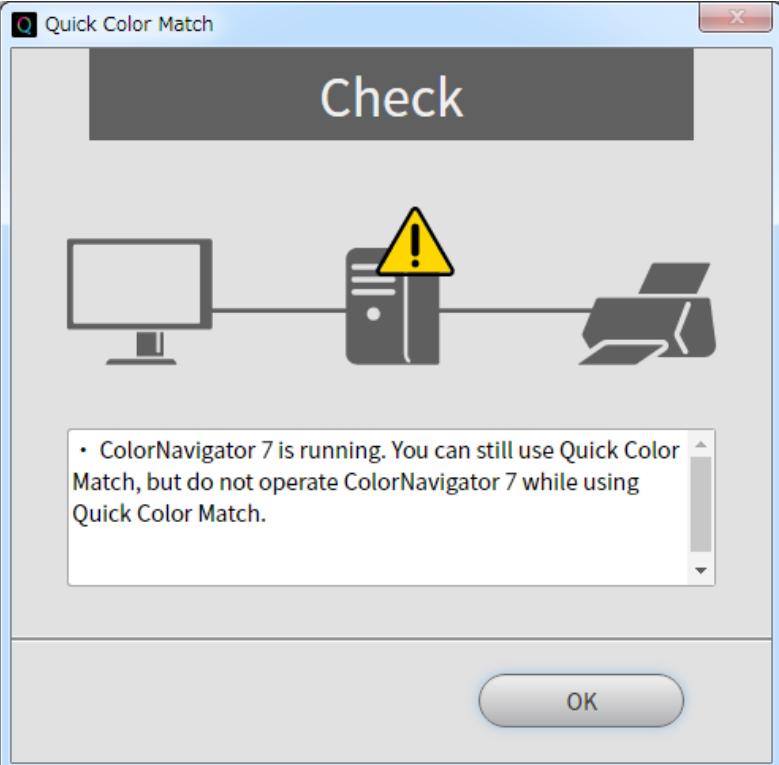
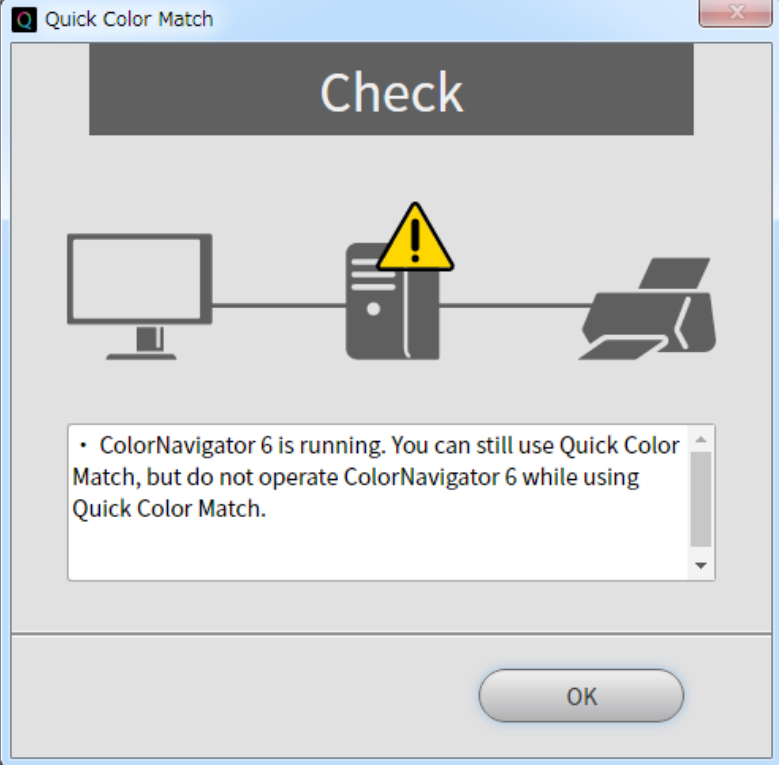
An error message may appear when you start Quick Color Match.

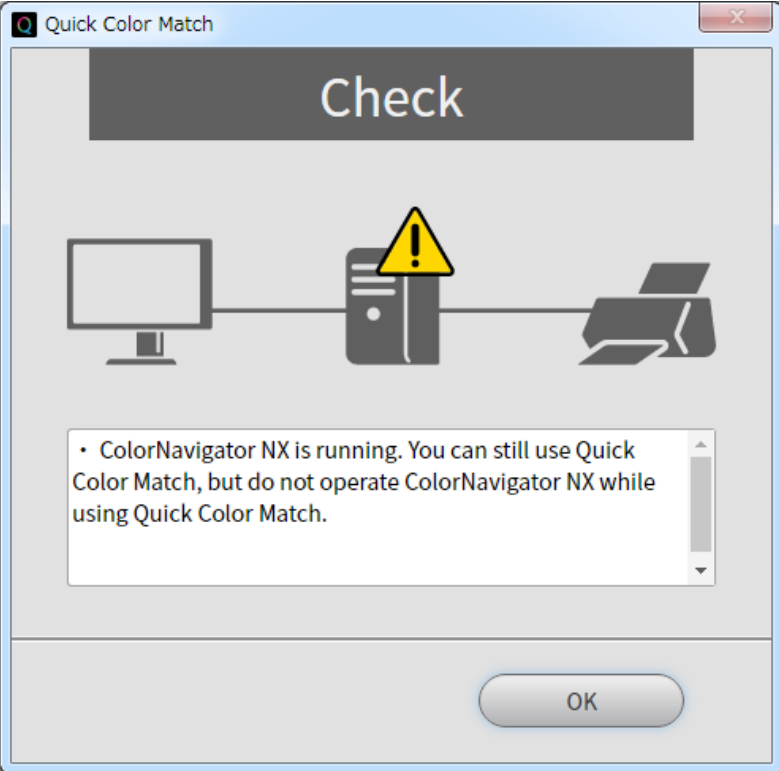
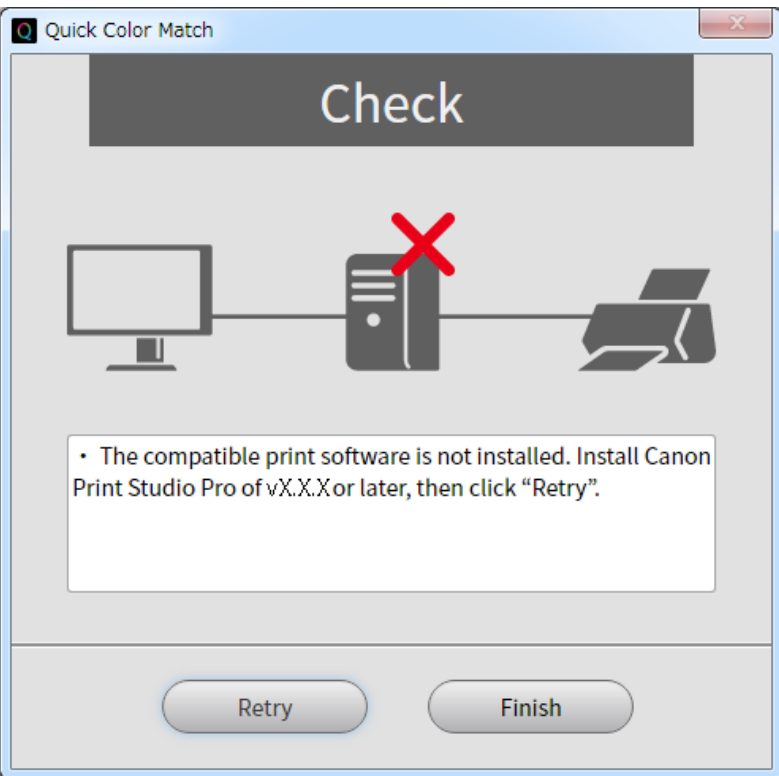
* Or two or more messages may appear at a time.

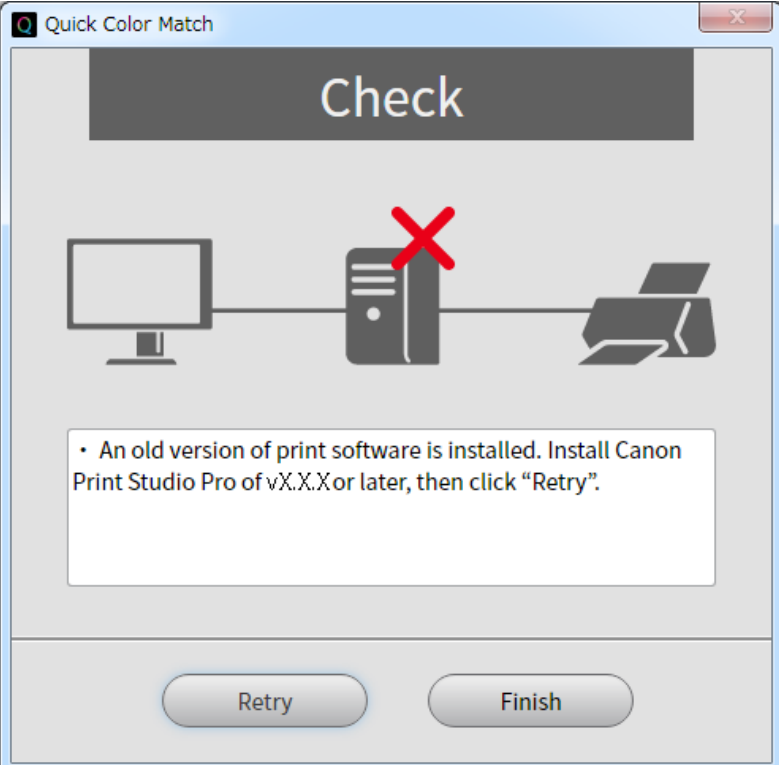
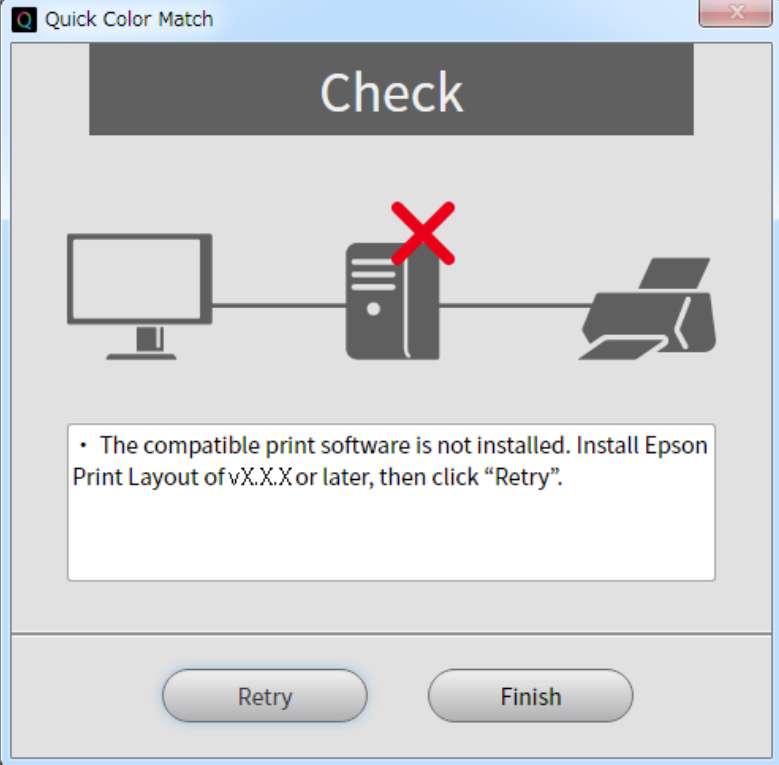
Check the details of the error message and take the following corrective actions as necessary.

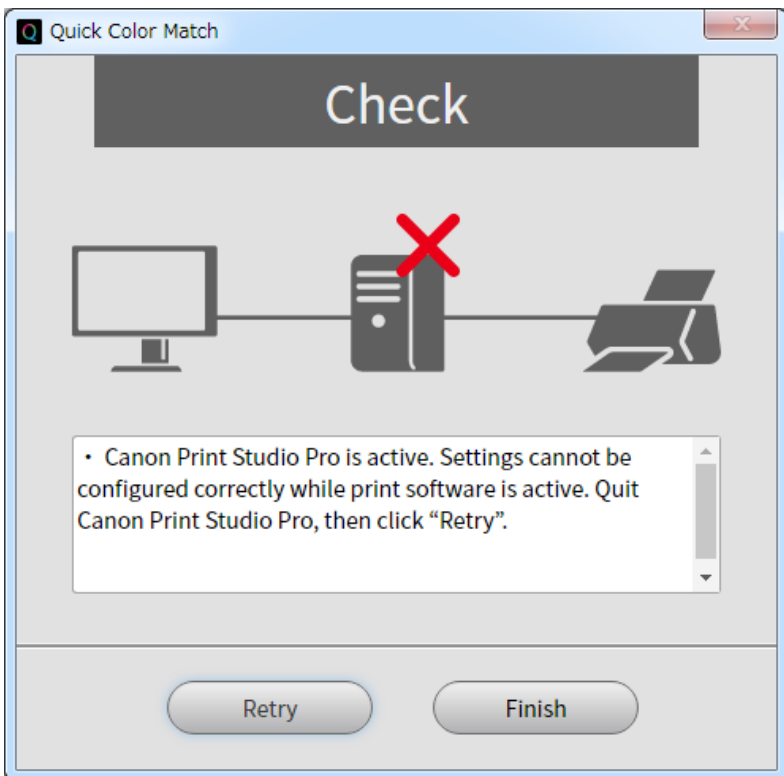
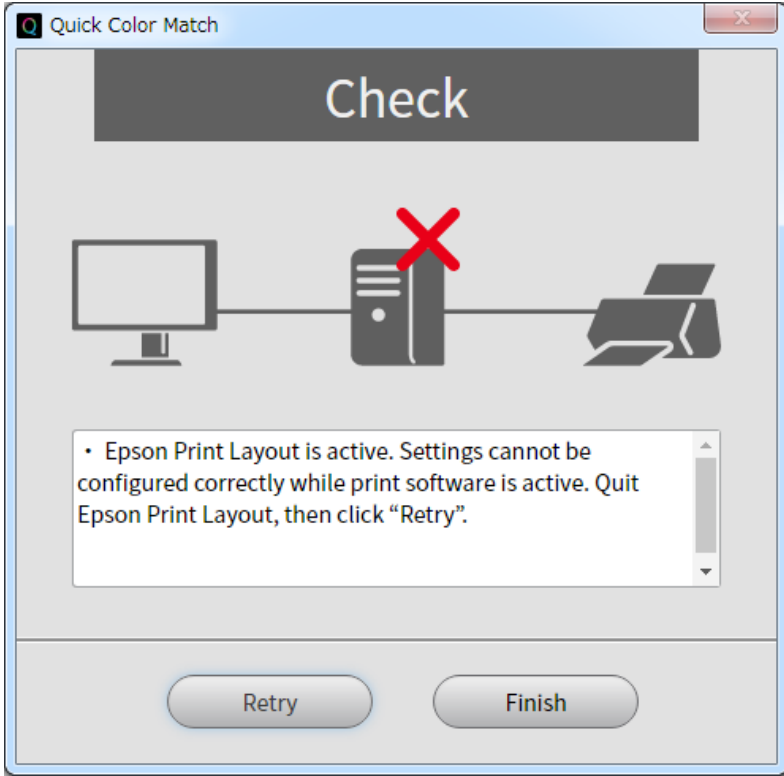
Error message	Corrective action
 Quick Color Match Check • Compatible ColorEdge monitor not detected. Connect a compatible monitor and computer using a USB cable, then click "Retry". Retry Finish	• Connect the monitor to the PC using a USB cable. • Check whether the ColorEdge monitor is a compatible product. Refer to "Operating Environment for Quick Color Match" on page 105 for more information. • If the monitor has two or more USB upstream ports, connect the PC to the upstream port related to the input signal to be displayed. For more information, refer to the monitor User's Manual.
 Quick Color Match Check • Compatible printer not detected. Install the printer driver, then click "Retry". Retry Finish	• Check whether the printer is a compatible product. • Check whether the printer is correctly connected. After making sure the printer is correctly connected, install the printer driver. For information on how to install the printer driver, refer to "2-3 Installing the Printer Driver" on page 10.

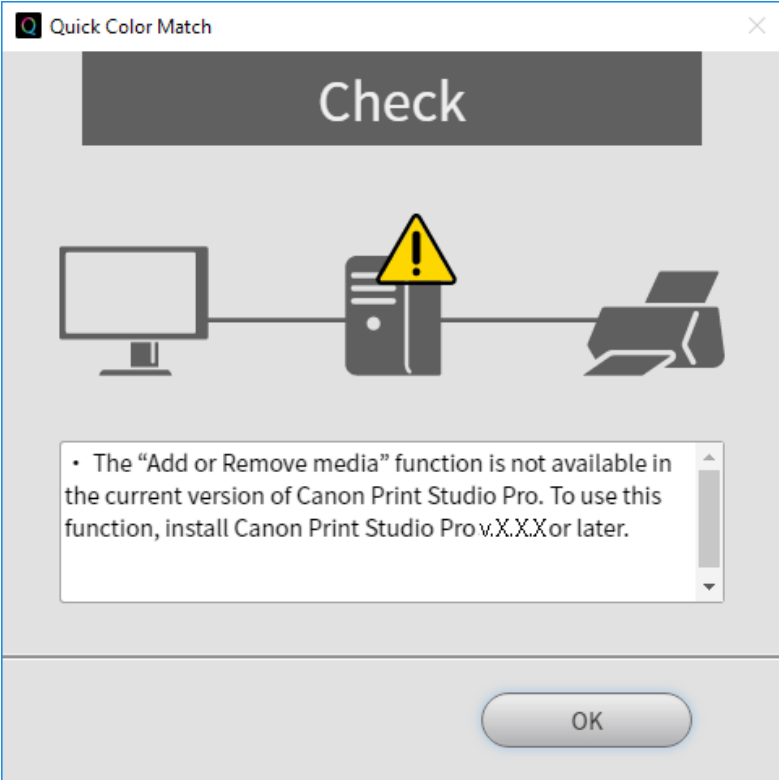
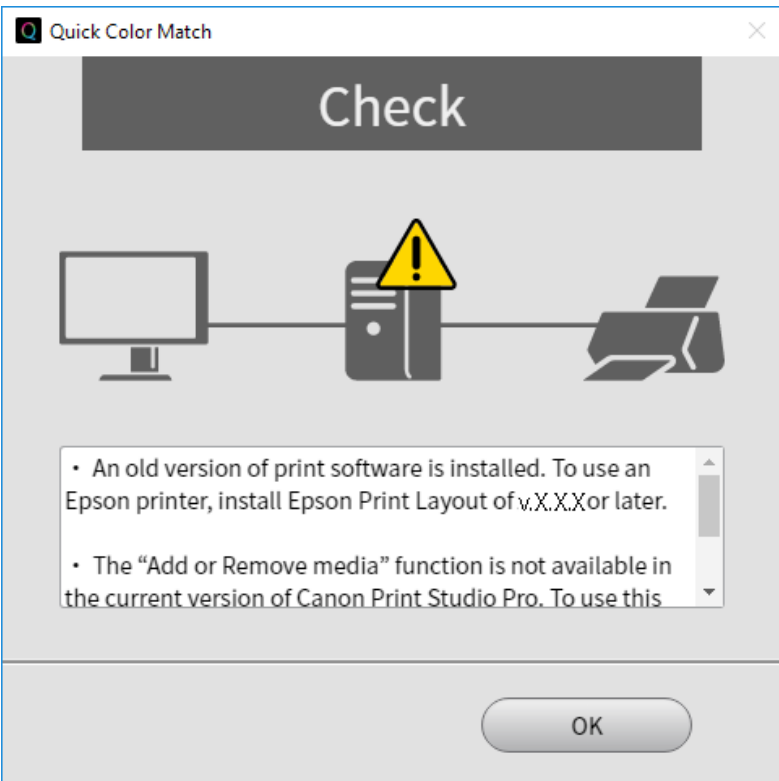
Error message	Corrective action
 The screenshot shows the 'Quick Color Match' application window with the title bar 'Quick Color Match'. The main area has a header 'Check'. Below it is a diagram showing a computer connected to a server, which is connected to a printer. Red 'X' marks are placed over the server and the connection line between the server and the printer. A text box contains the message: '• The compatible print software is not installed. Install Canon Print Studio Pro of vX.X.X or later, or Epson Print Layout of vX.X.X or later, then click "Retry".' At the bottom are 'Retry' and 'Finish' buttons.	• Print assistant software (Canon Print Studio Pro or Epson Print Layout) is required to use Quick Color Match. Install the print assistant software by referring to “2-4 Installing Print Assistant Software” on page 25. • Check whether the print assistant software version is supported. Refer to “Operating Environment for Quick Color Match” on page 105 for more information.
 The screenshot shows the 'Quick Color Match' application window with the title bar 'Quick Color Match'. The main area has a header 'Check'. Below it is a diagram showing a computer connected to a server, which is connected to a printer. Red 'X' marks are placed over the server and the connection line between the server and the printer. A text box contains the message: '• Print software (Canon Print Studio Pro or Epson Print Layout) is active. Unable to configure correctly while print software is active. Quit print software, then click "Retry".' At the bottom are 'Retry' and 'Finish' buttons.	• You cannot use Quick Color Match while print assistant software Canon Print Studio Pro or Epson Print Layout is running. Exit the print assistant software, and click "Retry".

Error message	Corrective action
	• You can keep using Quick Color Match. Be careful, however, not to operate ColorNavigator 7 while Quick Color Match is running.
	• You can keep using Quick Color Match. Be careful, however, not to operate ColorNavigator 6 while Quick Color Match is running.

Error message	Corrective action
 The screenshot shows a window titled "Quick Color Match" with a "Check" header. Below the header is a diagram of a computer connected to a server and a printer. A yellow warning triangle with an exclamation mark is positioned over the server icon. A text box contains the message: "• ColorNavigator NX is running. You can still use Quick Color Match, but do not operate ColorNavigator NX while using Quick Color Match." An "OK" button is at the bottom right.	• You can keep using Quick Color Match. Be careful, however, not to operate ColorNavigator NX while Quick Color Match is running.
 The screenshot shows a window titled "Quick Color Match" with a "Check" header. Below the header is a diagram of a computer connected to a server and a printer. A red "X" is positioned over the server icon. A text box contains the message: "• The compatible print software is not installed. Install Canon Print Studio Pro of vX.X.X or later, then click "Retry"." At the bottom, there are "Retry" and "Finish" buttons.	• Canon Print Studio Pro is required to use a Canon printer. Install Canon Print Studio Pro by referring to "2-4 Installing Print Assistant Software" on page 25.

Error message	Corrective action
	• Install the latest version of the print assistant software. For information on installing the print assistant software, refer to “2-4 Installing Print Assistant Software” on page 25.
	• Epson Print Layout is required to use an Epson printer. Install Epson Print Layout by referring to “2-4 Installing Print Assistant Software” on page 25.

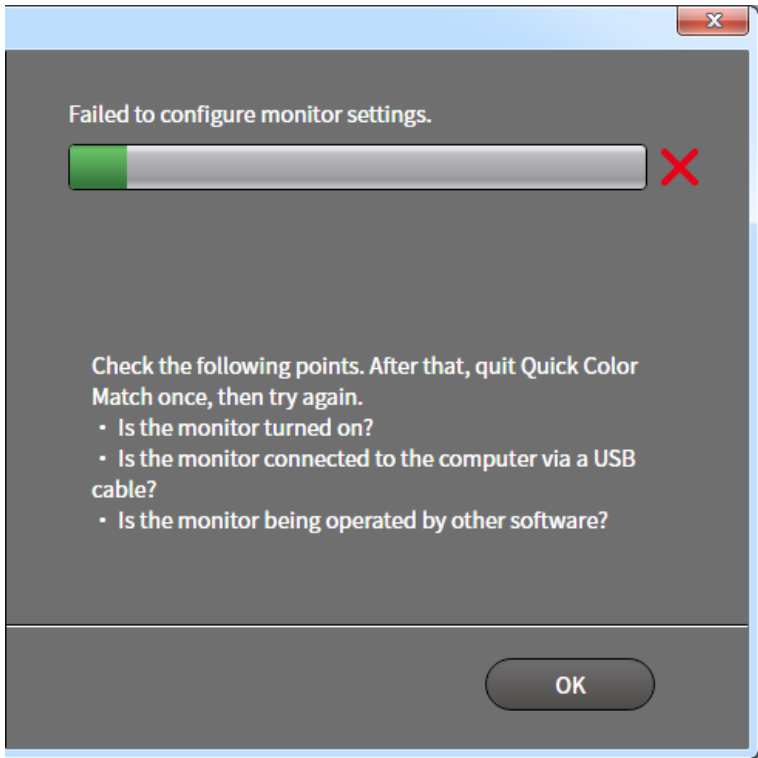
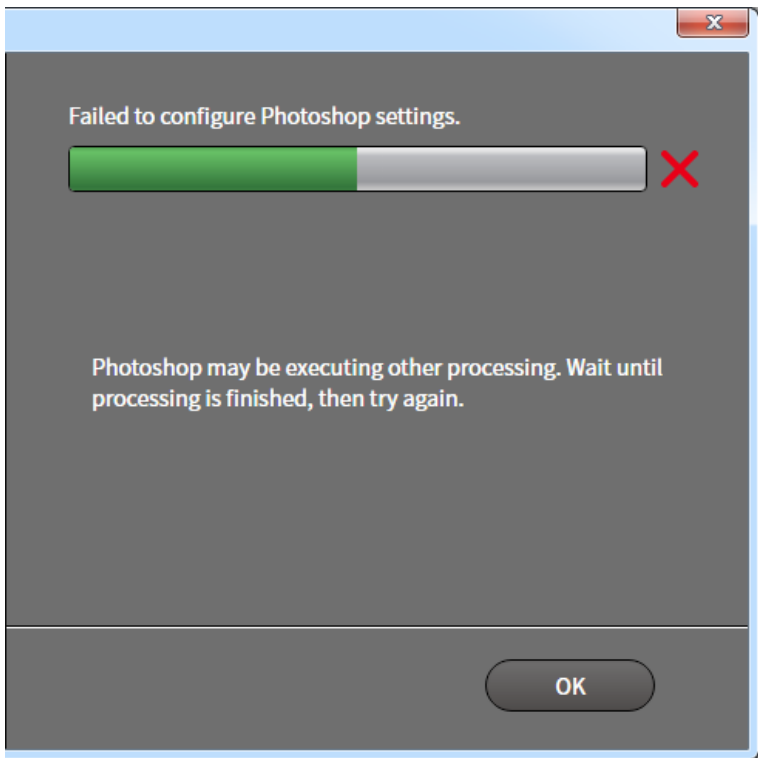
Error message	Corrective action
 The screenshot shows a window titled "Quick Color Match" with a "Check" header. Below the header is a diagram of a computer connected to a printer, with a red 'X' over the computer icon. A text box contains the message: "• Canon Print Studio Pro is active. Settings cannot be configured correctly while print software is active. Quit Canon Print Studio Pro, then click 'Retry'." At the bottom are "Retry" and "Finish" buttons.	You cannot use Quick Color Match while Canon Print Studio Pro is running. Exit Canon Print Studio Pro, and click "Retry".
 The screenshot shows a window titled "Quick Color Match" with a "Check" header. Below the header is a diagram of a computer connected to a printer, with a red 'X' over the computer icon. A text box contains the message: "• Epson Print Layout is active. Settings cannot be configured correctly while print software is active. Quit Epson Print Layout, then click 'Retry'." At the bottom are "Retry" and "Finish" buttons.	You cannot use Quick Color Match while Epson Print Layout is running. Exit Epson Print Layout, and click "Retry".

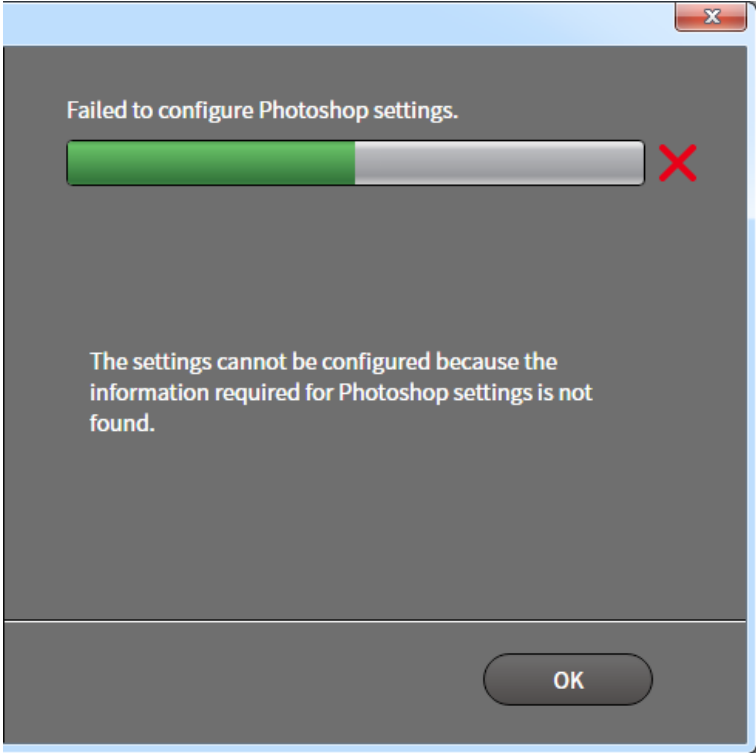
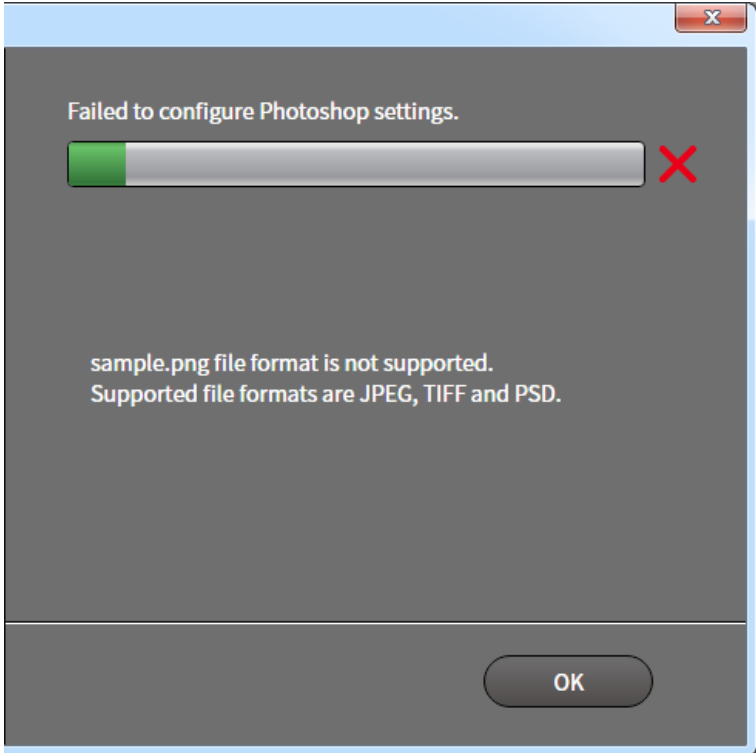
Error message	Corrective action
 Quick Color Match Check • The “Add or Remove media” function is not available in the current version of Canon Print Studio Pro. To use this function, install Canon Print Studio Pro v.X.XX or later. OK	Check whether the Canon Print Studio Pro version is supported. For details, refer to “Operating Environment for Quick Color Match” on page 105.
 Quick Color Match Check • An old version of print software is installed. To use an Epson printer, install Epson Print Layout of v.X.XX or later. • The “Add or Remove media” function is not available in the current version of Canon Print Studio Pro. To use this OK	Check whether the Epson Print Layout version is supported. For details, refer to “Operating Environment for Quick Color Match” on page 105.

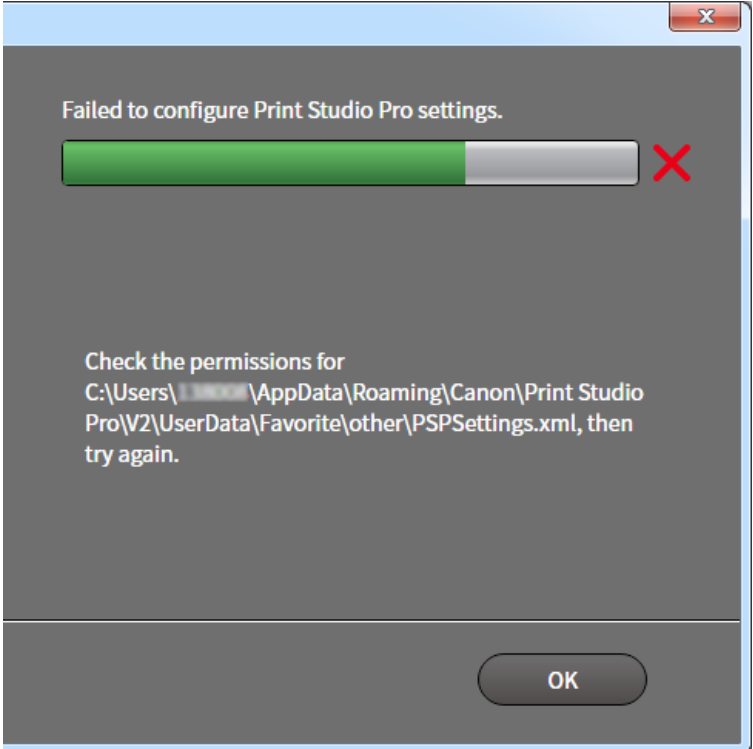
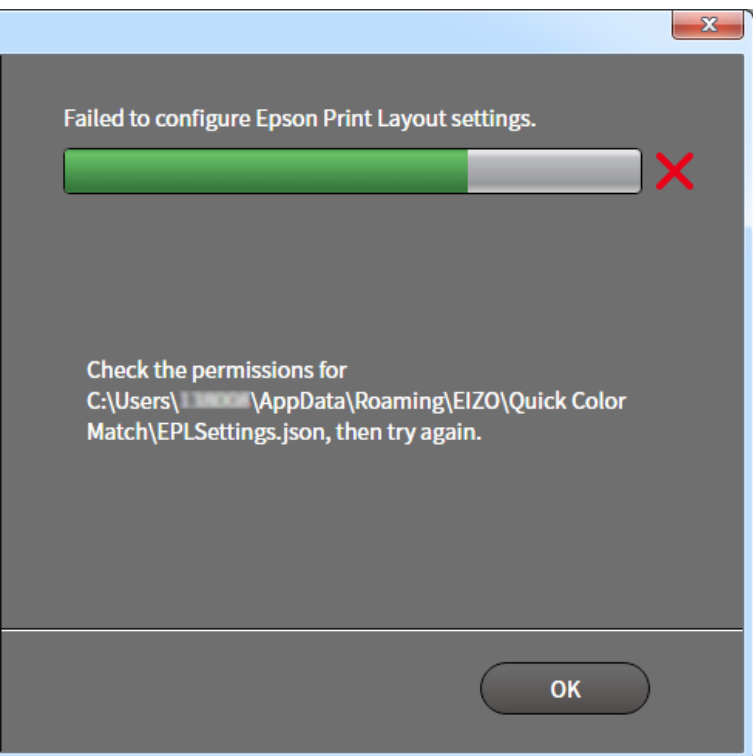
3-8 An Error Message Appears While Quick Color Match is Running

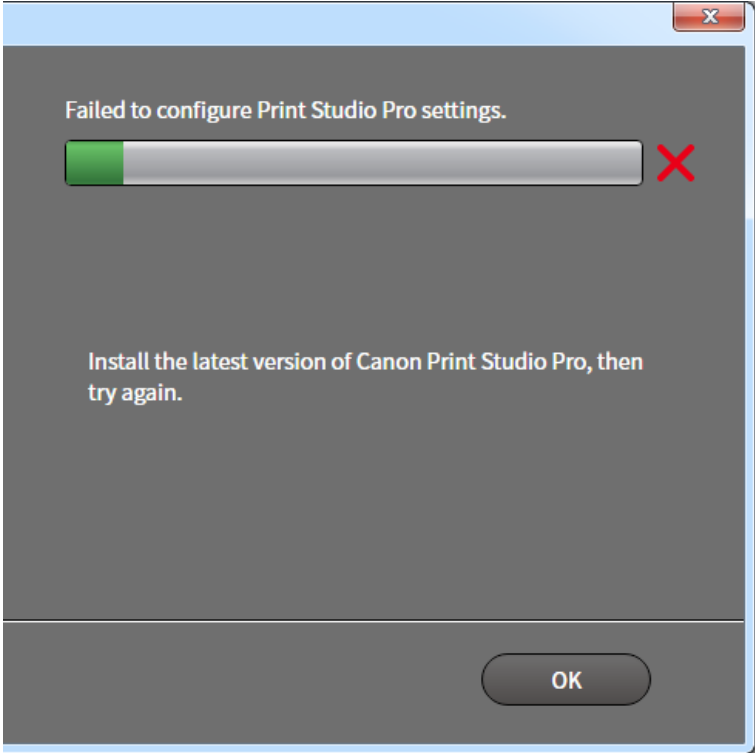
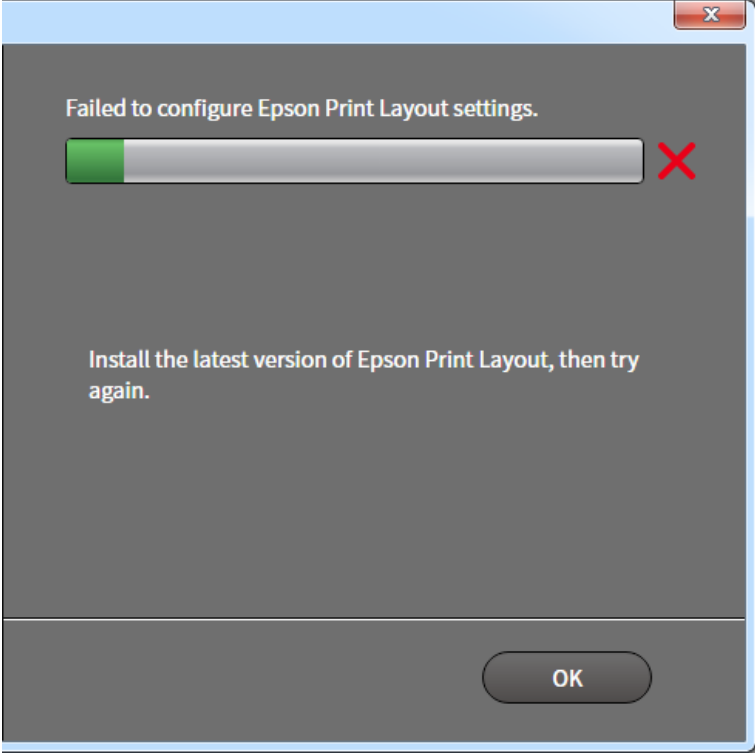
An error message may appear when you use Quick Color Match.

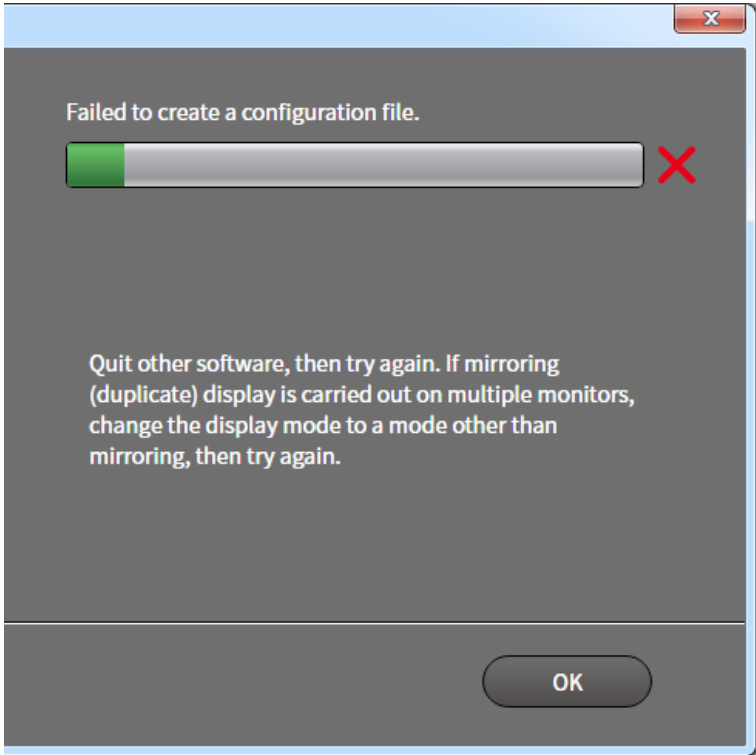
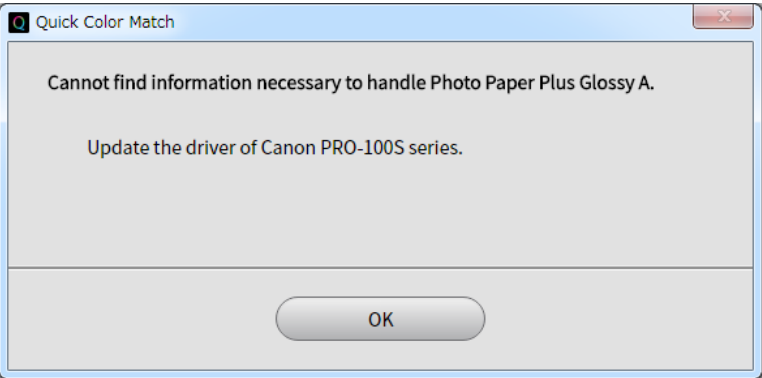
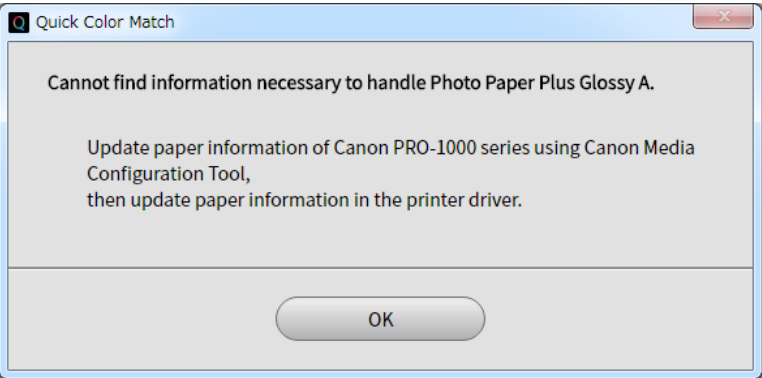
Check the details of the error message and take the following corrective actions as necessary.

Error message	Corrective action
 Failed to configure monitor settings. Check the following points. After that, quit Quick Color Match once, then try again. • Is the monitor turned on? • Is the monitor connected to the computer via a USB cable? • Is the monitor being operated by other software? OK	• To use Quick Color Match, you must connect the ColorEdge monitor with the PC using a USB cable. After the connection, exit Quick Color Match once, and then retry operation. For information on how to connect the ColorEdge monitor, refer to Setup Guide.
 Failed to configure Photoshop settings. Photoshop may be executing other processing. Wait until processing is finished, then try again. OK	• You cannot use Quick Color Match while Photoshop is handling another process. Exit Photoshop once, and then try again.

Error message	Corrective action
	• Photoshop settings cannot be configured using Quick Color Match now. A problem may have occurred when you installed Photoshop. Reinstall Photoshop, and then retry operation.
	• Use photo data in JPEG, TIFF, or PSD file format. If the photo data is in RAW format, perform RAW development (conversion of file formats).

Error message	Corrective action
	Quick Color Match cannot access the setting file for any reason. Exit Quick Color Match once, and then try again. If the problem is still not resolved, reboot the PC.
	Quick Color Match cannot access the setting file for any reason. Exit Quick Color Match once, and then try again. If the problem is still not resolved, reboot the PC.

Error message	Corrective action
	• Canon Print Studio Pro is required to use a Canon printer. Install Canon Print Studio Pro by referring to “2-4 Installing Print Assistant Software” on page 25.
	• Epson Print Layout is required to use an Epson printer. Install Epson Print Layout by referring to “2-4 Installing Print Assistant Software” on page 25.

Error message	Corrective action
	- You may fail to configure settings when photo data is displayed using a software program other than Quick Color Match. Exit the software program once, and then retry operation. - You may fail to configure settings when mirror (duplication) display is set for multiple monitors. Change the mirror display to another display setting, and then retry operation.
	Driver versions are restricted for some paper types used. Install the latest version of printer driver. For information on how to install the printer driver, refer to “2-3 Installing the Printer Driver” on page 10.
	The paper information stored in the printer and printer driver is required to be updated. Update the paper information stored in the printer using Canon Media Configuration Tool. For more information, refer to the User's Manual for Canon Media Configuration Tool. Then, update the paper information stored in the printer driver.

4

Reference

This chapter introduces basic knowledge required to enjoy color matching and about the structure of Quick Color Match.

4-1 What is Color Matching?	101
4-2 Functions of Retouching Software	102
4-3 Calibration of the Monitor	103

4-1 What is Color Matching?

The colors of photo data displayed on a monitor may appear differently when the data is printed. This phenomenon is caused by the different color reproduction procedures between the monitor and printer. Color matching is a technique used to match the appearance of colors between different devices such as monitor and printer.



Impact by ambient light

To match the appearance between the monitor and printer, you must also consider ambient light, for the appearance of printed colors are significantly affected by ambient light. It is important to use lighting that is suitable for the color matching process to determine printed colors correctly.

The reference color temperature for checking printed matters is defined as 5000 K (Kelvin) in printing industry. 5000 K is a value close to daytime solar light.

4-2 Functions of Retouching Software



See Also

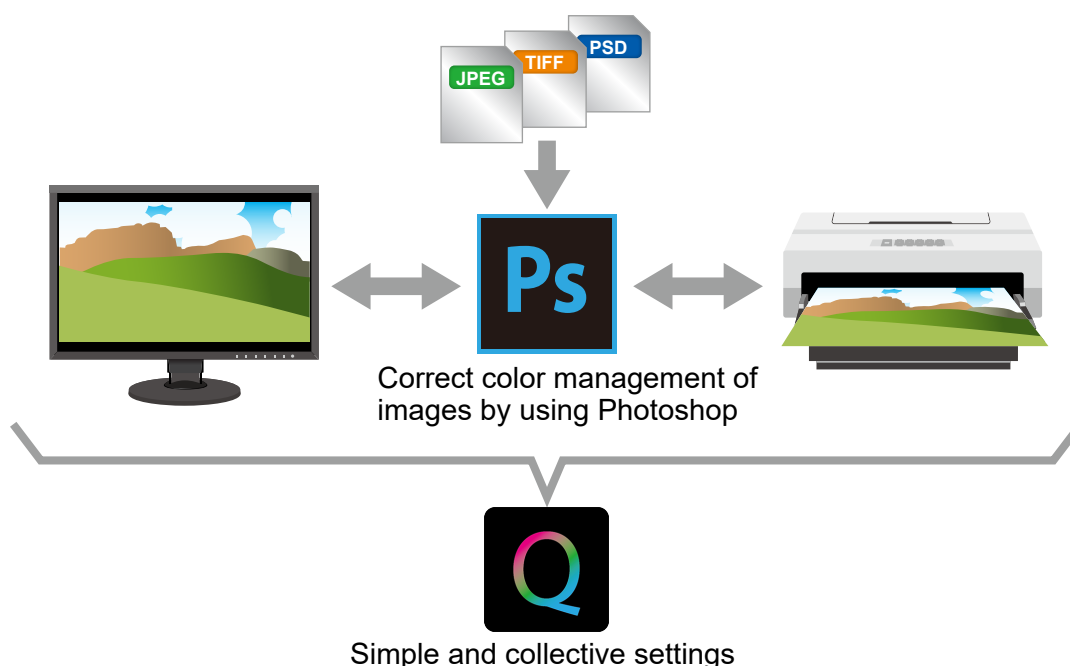
▶▶ "4-1 What is Color Matching?" on page 101

The reproducible gamut of a monitor is different from that of printer. A photo that appears vivid on the monitor may look muddy when it is printed. To resolve this difference, a retouching software supporting color management program is required.

Quick Color Match is compatible with Photoshop, a retouching software program endorsed worldwide.

Photoshop displays images correctly by reading from the operating system that colors the ColorEdge monitor displays.

Photoshop enables you to simulate the print results on the monitor by using proof settings. For example, before printing an image with a color of high saturation, you can check on the monitor how far the saturation level will be reduced when the image is printed, and thereby adjust the level.



In addition to setting the monitor to an optimized state, Quick Color Match can collectively configure the Photoshop and printer settings required for color matching.

Collaboration between Quick Color Match and Photoshop provides you with an environment whereby you can enjoy color matching easily and comfortably.

Why not take this opportunity to use Photoshop?

The "Creative Cloud Photography plan" is recommended to enable you to use Photoshop and Lightroom.

For more information, visit the Adobe web site.

4-3 Calibration of the Monitor

As time elapses, the monitor screen is gradually getting dark and the colors change. Consequently, if you keep using the monitor in this state, it will not be able to display colors correctly.

In order to maintain correct and stable color reproduction, it is recommended that you calibrate the monitor approximately once a year by using an external sensor (a measurement device).



For information on how to calibrate the monitor, refer to [“2-9 Calibration Function” on page 72](#).



No external sensor is required for ColorEdge CG series.

These monitors are equipped with a function capable of calibrating them automatically with the built-in calibration sensor. The auto calibration function of the monitors is enabled by default.

● RAW data and RAW development

RAW data is one of the formats used for saving photos taken with digital single-lens reflex or other cameras. RAW data, i.e., "unprocessed" data is data that is saved as it is without any modification. The hue and other factors of original photos are not processed by the camera. Unlike data in JPEG format, RAW data retains all information of original photos.

As the formats of recorded RAW data differ depending on the manufacturer, you cannot display the unprocessed photo data on any monitor. It must be converted into a general file format by using dedicated software for the camera used to take the photos. The process of conversion into a general file format is called "RAW development".

● Color Temperature and White Point

Color temperature is a value representing "the color of light" in K (Kelvin). The lower the color temperature is, the more reddish the white color becomes. On the other hand, the higher the temperature is, the more bluish the white color becomes. The color temperature of daytime solar light is said to be a value between 5000 K and 5500 K.

White point represents the setting of color temperature for white color to be displayed on the monitor. Accordingly, the white point is also shown in K (Kelvin), the unit of color temperature.

● Brightness

Brightness means the brightness level of the screen. The value is shown in cd/m^2 (candelas per square meter).

● Color Gamut and Color Space

In the range of colors that human eyes can recognize (visible range), color gamut further defines a particular color range. The reproducible color ranges vary depending on the device. For example, the color gamut of a monitor indicates the range of colors that the monitor can reproduce and represent.

Color space is the standardized particular color gamut. Typical standards of color space are sRGB and Adobe® RGB.

● Standard Light Source D50

Standard light source means the source of artificial light defined by CIE (International Commission on Illumination).

It has been defined as standard illuminating light used for displaying colors of the CIE color spaces.

The "standard light source D50", whose color temperature is approximately 5000 K, is equivalent to the color of daytime solar light. This light source is used to evaluate the uniformity and quality of colors in printing.

Operating Environment for Quick Color Match

Supported OS	Windows	Windows 10 (64-bit edition) Windows 8.1 (64-bit edition) Windows 7 Service Pack 1 (64-bit edition)
	Mac	macOS Catalina (10.15) macOS Mojave (10.14) macOS High Sierra (10.13) macOS Sierra (10.12)
Compatible monitor		EIZO ColorEdge series monitors *Please visit our website for details. www.eizoglobal.com/i/qcm
Compatible printer	Canon	PIXMA PRO-1, PIXMA PRO-10, PIXMA PRO-10S, PIXMA PRO-100, PIXMA PRO-100S, imagePROGRAF PRO-1000, imagePROGRAF PRO-500 • Be sure to use genuine ink.
	Epson	EPSON SC-P800 Series, EPSON SC-P600 Series, EPSON SC-P400 Series, Epson Stylus Photo R3000, Epson Stylus Photo R2000 • Be sure to use genuine ink.
Supported paper		Supported paper varies by printer. Please visit our website for the supported paper for each printer. www.eizoglobal.com/i/qcm-paper
Compatible print assistant software	Canon	Print Studio Pro Ver.2.2.1 and later versions
	Epson	Epson Print Layout Ver.1.3.5 and later versions
Compatible display retouch software		Adobe Photoshop CC (Adobe Creative Cloud®) *1 • Adobe Photoshop is retouching software that is compatible with quick and collective settings using Quick Color Match. • You can also use the following retouching software that the compatible print plug-in program supports. Adobe Photoshop Lightroom Classic CC Adobe Photoshop Elements Canon Digital Photo Professional Nikon ViewNX-i • For details on the support policy or the supported operating systems for Adobe software, see the support information for each software.
Supported file format		JPEG, TIFF, PSD
Lighting		High color rendering lighting equivalent to 5000 K of color temperature
Measurement device		EIZO ColorEdge CG / CX series built-in calibration sensor, X-Rite i1Display Pro, i1Display 3, Datacolor Spyder5 / EX3, Datacolor SpyderX / EX4 • The measurement device is required for calibrating the monitor. • The measurement device is not attached to this product. Purchase it from your local dealer as required. • For more information about operating conditions and usage of the measurement device, refer to User's Manual attached to the product.

*1 When Photoshop is upgraded, the print assistant software needs to be reinstalled.
For information about supported Photoshop versions, visit the following our web site:
www.eizoglobal.com/i/qcm

Trademark

Adobe, Creative Cloud, Lightroom, Photoshop and Photoshop Elements are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Canon, Print Studio Pro, PIXMA and imagePROGRAF are registered trademarks of Canon Inc.

EPSON and Epson Stylus are registered trademarks of Seiko Epson Corporation.

Microsoft and Windows are registered trademarks of Microsoft Corporation in the United States and other countries.

Mac, macOS, macOS High Sierra, macOS Mojave, OS X El Capitan, and OS X are registered trademarks of Apple Inc.

Nikon and ViewNX are registered trademarks of Nikon Corporation.

Spyder5 is a trademark of DataColor Holding AG.

X-Rite is a registered trademark or a trademark of X-Rite, Incorporated in the United States and/or other countries.

ILFORD is a registered trademark of ILFORD Imaging Europe GmbH.

PICTORICO is a registered trademark of Mitsubishi Paper Mills Limited.

GEKKO is a trademark of Mitsubishi Paper Mills Limited.

Hahnemühle, Photo Rag and German Etching are registered trademarks of Hahnemuhle FineArt GmbH.

Tecco is a registered trademark of Tecco GmbH.

SIHL is a registered trademark of SIHL AG.

EIZO, EIZO Logo and ColorEdge are registered trademarks of EIZO Corporation in Japan and other countries.

ColorNavigator and Quick Color Match are trademarks of EIZO Corporation.

All other company names, product names, and logos are trademarks or registered trademarks of their respective companies.

License

This product includes open source software.

If the open source software contains a product for which usage is granted under a GPL (GNU GENERAL PUBLIC LICENSE) license, Eizo Corporation will, in line with the GPL usage license conditions, provide the source code for corresponding GPL software via a medium, such as CD-ROM, at a cost to individuals and organizations who make contact via the following contact information for a minimum period of three years after purchase of the product.

We will also provide the source code for corresponding LGPL (GNU LESSER GENERAL PUBLIC LICENSE) software of products that include LGPL software licensed under the LGPL in the same manner as stated above.

Contact information

www.eizoglobal.com/contact/index.html

*Contact your local EIZO representative.

Except for open source software licensed under GPL, LPGL or other licenses, any transferring, copying, reverse assembly, reverse compiling or reverse engineering of any software included with this product is strictly prohibited. Further, exporting of any software included with this product in violation of applicable export laws is strictly prohibited.

